CONTINUING INNOVATION

The tradition continues... after 71 years, still the biggest, still the best in USA consumer electronics and computers. Only Radio Shack offers sales, support and service through 7,000 locations. 40,000,000 Americans count on us for the latest technology in entertainment, communications, education, business and security.

NOBODY COMPARES

1992 CATALOG
NO. 472 • INDEX PAGE 96
A Great Name in Electronics Is Now Available at Radio Shack®

MEMOREX™ Video Products

Keeping our commitment to providing the very best in consumer electronics, Radio Shack proudly brings you a line of innovative Memorex™ video components. VCRs. Camcorders. An all-new satellite receiver. TVs. And a 13” color TV/VCR combo. Each component gives you the exceptional performance millions have learned to expect from the Memorex label. And each one meets our quality standards—probably the toughest in the consumer electronics industry. Come in and see the Memorex difference!

MEMOREX
Is It Live Or Is It Memorex?

Other Nationally Advertised and Nationally Recognized Brands Famous for Quality, Value and Reliability Are Available at Radio Shack

OPTIMUS® Engineered, manufactured and tested to bring you a masterful blend of technology, reliability and distinctive, elegant appearance. Always choose Optimus audio equipment for premium performance and the tightest quality standards in consumer electronics.

TANDY® We design and build Tandy computers to exacting standards to give you innovative features and remarkable ease of use—an unbeatable combination. And, we back our computers with total service and support. That's why Tandy computers are the best-selling PC compatibles made in America.

REALISTIC® Introduced in 1956, our Realistic brand is a USA sales leader in CB and scanners, and is also a popular choice for car stereo, speakers, portable radios, portable cassette players and a wide range of accessories. Our exclusive Weatheradio® receivers also carry the Realistic name.

DUOFONE® DUOFONE telephones and answering systems deliver the features you need, with built-in extras for high reliability under demanding use. DUOFONE equipment covers every need, from inexpensive cordless phones for the home to multiline business systems.

ARCHER® Archer is No. 1 in USA sales of TV, FM and CB antennas, and is also a favorite choice for audio and video signal enhancers, plus electricals, tools, parts and hardware. The choice of “do-it-yourselfers”, Archer is an outstanding price/performance combination.

MICRONTA® You’ll find the Micronta name on a variety of products designed with you in mind—everything from clocks, watches and timers to personal electronics for health care, home, school and office. Micronta electronics are made for life.

ENERCELL® Rated the best by respected experts. ENERCELL batteries give you long life at a low price. They use the best materials and are tested before shipping. We sell well over 100 million ENERCELL batteries each year, so they’re always fresh when you buy them. Why pay more for other brands?

SAFE HOUSE® Look to SAFE HOUSE for sophisticated home protection at a reasonable price. A complete line of easy-to-install control panels, motion sensors, door/window contacts, smoke alarms, message dialers and more let you design a custom system to best fit your home.

Chronomatic® Chronomatic clock radios keep you on time with their exclusive Battery Backup/Battery Sentinel® system—even when AC power fails, Chronomatic keeps on working. The system auto-tests the backup battery daily. And each model gives you precise timekeeping and good radio reception.

MOBILE ALERT® A car is stolen every 22 seconds—protect yours with Mobile Alert. A broad array of systems gives you advanced, do-it-yourself protection at affordable prices. Mobile Alert can help pay for itself with the discount many insurance companies offer for cars equipped with security systems.
Creating New Standards

It takes more than desire to be number one—it takes resources, people and commitment. The following eight standards express our determination to put you first.

Continuing Innovation—We're creating new standards in digital recording, multimedia technology and home computing—nobody compares.

Proven Leadership—7,000 USA store locations, 39,000 employees, seven research & development centers, and 31 USA and overseas manufacturing plants—nobody compares.

Reliable Quality—More than 1,500 engineers and technicians develop, evaluate and test to our exacting standards—nobody compares.

Electronics Specialization—From our latest, highest technology computer to our edgeable and friendly to help you make the smartest buying decisions—nobody compares.

Experienced Sales Team—Knowledgeable and friendly to help you make the smartest buying decisions—nobody compares.

Prompt Service—7,000 drop-off points nationwide ensure dependable service to your satisfaction. Over 1,000,000 parts stocked. We service what we sell—nobody compares.

Product Exclusivity—Over 15,000 electronics products preselected for ease of use, reliability and value—nobody compares.

Guaranteed Satisfaction—Over 40,000,000 customers benefit annually from our Satisfaction Guarantee. Putting you first has made us #1 in consumer electronics—nobody compares.

Protect Your Investment in Valuable Equipment With Our Low-Cost Tandy Service Plans

Radio Shack's commitment to service includes affordable Tandy Service Plans that greatly extend the normal product warranty period.

Unsurpassed Service and Support for Home and Business Computing

Radio Shack offers leasing, network planning and system installation, plus training programs to help you. We can answer your inquiries by phone or online via PC-Link. Each Radio Shack District Office has qualified systems engineers to help. Contact your nearby Radio Shack store for more information.

Our Commitment to Education

Since 1979, our Education Division has supported Tandy/Radio Shack computers in the classroom. Our SchoolMate network solution links PC compatibles throughout a classroom, department or school, and comes with built-in productivity tools for the teacher. We also offer the best curriculum solutions for your school—all from today's leading educational publishers.

EIA, UL and FCC Information

Membership in the Electronic Industries Association helps us bring you the finest products available. Our AC-operated products are Listed by Nationally Recognized Testing Laboratories, which means they meet electrical safety standards set by Underwriters Laboratories. Tandy computers meet FCC Requirements for home or commercial environments. Our telephones, all radio transceivers and applicable video equipment also meet FCC Requirements.

Radio Shack ValuePlus Credit

ValuePlus Monthly Payment Schedule

<table>
<thead>
<tr>
<th>New Balance</th>
<th>Minimum Payment</th>
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</thead>
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<tr>
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<td>400.01 to 600.00</td>
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</tr>
<tr>
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<td>$25.00</td>
</tr>
<tr>
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<td>$30.00</td>
</tr>
</tbody>
</table>

Minimum payments on balances over $1000 are 1/12 of the highest New Balance, rounded to the next higher dollar.

Most Locations Also Welcome These Cards

Prices shown are cash prices and subject to change without notice. Prices apply to participating stores in the USA, except Alaska, but may vary from store to store. Trademark Notice: Marks in this catalog followed by *, " or * are owned or used by, and identify products manufactured by or for, Tandy Corporation. Other brand names identify products manufactured by or for vendors whose marks appear on the products or product packaging. Absence of a * in connection with marks of vendors does not indicate an absence of registration of those marks. Memorex is a registered trademark of Memorex Corporation licensed to Tandy Corporation.
MEMOREX FULL SIZE VHS CAMCORDER

MEMOREX
Is It Live Or Is It Memorex?

Hi Power Zoom, 2-Lux Low-Light Sensitivity

Memorex MovieCorder® Model 103. Enjoy point-and-shoot convenience plus special creative features. You get auto focus, color and exposure, 8-1 power zoom lens with macro-focus, variable high-speed shutter and excellent low-light resolution. Flying erase head lets you shoot and edit "seamlessly". You also get an audio/video auto-fader, mike mixing to combine audio sources on tape, time-lapse, one-shot recording, positive/negative image and self-timer. Real-time tape counter, time/date stamp, index recording/playback, edit search, instant review, high-speed visual search, still-frame. A/V input. HQ. (TSP available)

16-804 ................. Low As $25 Per Month $799
Lens: f1.4, 6.2-49.6mm zoom with macro. Shutter speeds: 1/120, 1/250, 1/1000, 1/2000. Tape speed: SP. Size: 9 x 4½ x 14½". Weight: 5.1 lbs.

Add to Your Videomaking Enjoyment With Performance-Boosting Accessories

Deluxe Hardcase For Camcorders
Extra Protection
Foam padding, adjustable dividers, lock. Exterior 13 x 18½ x 6¼". 16-2003, 79.95

Accessory Softcase
Shock Absorbent
NEW! Side pockets, carry straps. Weather resistant. 16-2011 49.95

15-Watt Video Light
Delivers 20 Minutes Of Bright Halogen Light Per Charge
Rechargeable Ni-Cd battery pack, UL listed AC charger. Weighs 10 oz. 16-2010 79.95

FM Wireless Mike
Up to 200-Fl. Range
For "up-close" audio from a distance. Receiver plugs into mike jack. Requires 2 9V batteries. 32-1226 69.95

“Super Unidirectional” Microphone
For Superior Audio
Dramatically improves sound, even in noisy environments. Has “tele/normal” switch for better long/close-range audio. 16-2006 69.95

Accessory Dual Mount
Holds Both Light and Microphone at Once
Allows use of two camcorder accessories from one accessory shoe. Easy to attach and remove. 16-2007 4.95

ADDITIONAL CAMCORDER ACCESSORIES AVAILABLE ON SPECIAL ORDER—SEE STORE MANAGER FOR DETAILS
8mm CAMCORDER — EASY TO TAKE ALONG

8mm CAMCORDER — EASY TO TAKE ALONG

8x Power Zoom, Infrared Remote Control

Hi-Fidelity Monaural Recording for Sensational Sound

NEW! Memorex MovieCorder Model 153. Enjoy 8mm portability plus convenient wireless remote control. The remote duplicates all tape-motion controls on camcorder—even recording. Auto focus, color and exposure make great-looking videos a snap. You can even add titles with the 5-color character generator. Has a flying erase head, real-time tape counter, time/date stamp, edit search, instant review, high-speed visual search and still-frame, 3 lux. A/V input/output. Auto tracking control. (TSP available) $899

Binocular Style With "Fuzzy Logic"

NEW! Memorex MovieCorder Model 154. A breakthrough in design and technology. Binocular styling makes shooting almost intuitive—if you've used a camera, you'll be making great videos in no time. Fuzzy logic controls respond to changing conditions much like the human eye, auto-adjusting focus, color and exposure quickly and precisely. You get a flying erase head, built-in 8-color character generator, real-time tape counter, time/date stamp, edit search, high-speed visual search and still-frame, A/V input/output. Auto tracking control. (TSP available) $799

Great Performances Need Never Stop With These Camcorder Accessories

Lightweight Fluid-Head Camcorder Tripod

■ Adjustable Tilt And Pan Tension
■ Geared Column

Weighs just 4½ lbs., yet it's super sturdy to give movies a steady, professional look. Two-way fluid head. 61° extended, 24° collapsed.

ADDITIONAL CAMCORDER ACCESSORIES AVAILABLE ON SPECIAL ORDER—SEE STORE MANAGER FOR DETAILS
Four-Head, Double-Azimuth for Improved Video Quality, Plus VHS Hi-Fi Stereo

- Four-Head, Double-Azimuth Mid-Mount Design for Superior Video and Special-Effects Performance

NEW! Memorex Model 100. Four heads plus VHS Hi-Fi stereo, broadcast stereos-TV, "mid-mount" design for improved video, auto-tracking. Instructive on-screen display plus on-screen time, channel, functions and tape counter. Index search and auto FF/rewind for fast access to selections, automatic play/rewind/eject, 179-channel cable-compatible tuner with auto-storage, QTR, 1-year/8-event daily/weekly timer, HQ. 3½ x 14⅔ x 12⅜". Remote requires 2 "AA" batts. (TSP avail.) 16-618, Low As $20 Per Month 499.95

Four-Head, Double-Azimuth and VHS Hi-Fi

- Index Go-To Search and Blank-Search Give You Fast Access to Precise Locations on Your Tapes

NEW! Memorex Model 49. Superior 4-head video quality plus VHS Hi-Fi stereo and stereo-TV reception. Blank search quickly takes you to the end of a recording. Index go-to search advances tape to the place you specify. Has auto power-on, playback and rewind, 179-channel cable-compatible tuner with auto channel storage, 1-year/6-event daily/weekly timer with on-screen display, fast-response commands, quick-timer. 3¼ x 16⅛ x 14⅛". Remote requires 2 "AAA" batts. (TSP avail.) 16-619, Low As $20 Per Month 449.95

VHS Hi-Fi Stereo and Auto Head Cleaning

- Auto Head Cleaning for Optimum Quality on Every Play—And Virtually Maintenance-Free Operation

NEW! Memorex Model 50. Start enjoying the Hi-Fi stereo soundtrack on prerecorded tapes plus broadcast stereo TV. Blank search quickly takes you to the end of a recording. Has automatic power-on, playback and rewind, 179-channel cable-compatible tuner with auto channel storage, 1-year/6-event daily/weekly timer with on-screen display for easy programming. Quick-timer recording, fast response to tape commands. 3½ x 14½ x 13¼". Remote requires 2 "AAA" batts. (TSP avail.) 16-620, Low As $15 Per Month 399.95

Auto-Cleaning Four-Head, Double-Azimuth

- Auto Head Cleaning for Virtually Maintenance-Free Operation and Optimum Quality on Every Playback

NEW! Memorex Model 88. Outstanding value from our Movie Shack®. Features four heads to give you much clearer freeze, slow-motion and search viewing. Index go-to search and blank search help you find selections fast. Auto power-on, playback and rewind, 179-channel cable-compatible tuner with auto channel storage, 1-year/6-event daily/weekly timer with on-screen display, quick-timer recording, 3½ x 14⅔ x 13¼". Remote requires 2 "AAA" batteries. (TSP available) 16-526 Low As $15 Per Month 359.95

MEMOREX VCRs HAVE POWER-INTERRUPT PROTECTION TO PRESERVE TIMER SETTINGS DURING BRIEF POWER FAILURES AND AN A/V INPUT SELECTOR
ALL WITH EASY ON-SCREEN PROGRAMMING

Four-Head, Double-Azimuth, Blank Search, Automatic Head Cleaning and Auto-Tracking

- Superior Freeze, Slow Motion and Search Viewing

**NEW!** Memorex Model 87. Today's most-wanted video feature—four heads—plus the extra convenience of automatic tracking. And, with automatic power-on, play, rewind and power-off, viewing is easy for anyone. Blank search takes you to the end of recordings automatically. Has 179-channel cable-compatible tuner with auto channel storage, 1-year/6-event daily/weekly timer, on-screen display, quick-timer. 3¾ x 14¾ x 13¾". Remote requires 2 "AAA" batteries. (TSP available) 16-525 . Low As $15 Per Month 319.95

Four-Head, Double-Azimuth With Auto-Play

- Easy to Use—Just Insert a Tape for Fully Automatic Power-On, Playback, Rewind and Power-Off

**NEW!** Memorex Model 85. Four-head, double-azimuth design for clearer video effects, plus faster response to tape commands. The 153-channel cable-compatible tuner stores all active stations with the touch of a button. The on-screen display makes it easy to program the 1-year/6-event timer for automatic recording. Quick-timer lets you start a timed recording instantly or within a 24-hour period. 3¾ x 14¾ x 13¾". Remote requires 2 "AAA" batteries. (TSP available) 16-523 . Low As $15 Per Month 319.95

Four-Head, Double-Azimuth With Titler

- Camcorder Friendly! Has Front-Panel A/V inputs and You Can Add Titles to Your Tape Copies by Remote

**NEW!** Memorex Model 86. Incredibly clear special effects viewing plus simple operation. Just insert a tape for fully automatic power-on, play, rewind and power-off. Has a 1-year/8-event daily/weekly timer with on-screen display, 179-channel cable-compatible tuner, comb filter and HQ system for superior video, handy quick-timer recording. The 40-key remote control has tracking control and titling functions. 3¾ x 14¾ x 13¼". Remote requires 2 "AA" batteries. (TSP available) 16-524 . Low As $15 Per Month 299.95

Two-Head With Remote On-Screen Display

- Fast Response to Remote-Control Tape Commands
- Auto-Play System
- Tuner Auto-Memory Storage

**NEW!** Memorex Model 29. Fully automatic power-on, playback, rewind and power-off—just pop in a tape and the player does the rest. Gives you easy on-screen programming, plus fast-response system to make scanning easier. Has quick-timer to let you begin a timed recording instantly, plus 1-year/8-event daily/weekly timer. The 153-channel cable-compatible tuner automatically stores all active stations. 3¾ x 14¾ x 12¾". Remote requires 2 "AA" batteries. (TSP available) 16-517 . Low As $15 Per Month 279.95

ALL MEMOREX VCRs HAVE A FULL-FUNCTION REMOTE, 3-SPEED RECORD/PLAY, AND MEET SAFETY STANDARDS SET BY UL LABS
Compact, Easy-to-Use Video Player for Home, Car, Camper or Boat

- Carry Room-to-Room
- Take It Along When You Travel
- Connects to Any TV With Included Cord
- A/V Output for Direct Hookup to a TV Monitor or VCR
- Includes AC Cord and Dual-Output DC Power Cord

Realistic® Model 12. Now you can enjoy your favorite VHS tapes in any room, in your car, RV or boat. This compact player is ideal for bedroom, office, dorm and travel. The included DC power cord has two outputs so you can connect a DC-powered TV, too. What's more, it's incredibly easy to use. Just insert a tape for fully automatic play, rewind and shutoff. Or, touch a button for continuous automatic rewind and replay.

Additional Features:
- Soft-touch controls
- Power "on" indicator
- Automatic speed selection
- Visual search and freeze functions
- Connects to any standard TV set in seconds with included RF output cord
- A/V outputs for direct hookup to a TV monitor or VCR
- Dimensions: 47/8 x 113/8 x 133/0". UL listed AC or 12VDC neg. gnd. (TSP available)
- Low As $15 Per Month

Combination CD/Laser Video Disc Player

- 60% Clearer Picture Than Tape Plus Stunning Digital Stereo
- Plays 12" and 8" Video Discs, Standard and 3" CDs, 5" CDVs
- Wireless Remote
- Headphone Jack With Volume Control

Realistic MD-1000 MultiDisc Player. Experience theater quality in your own home tonight. You'll enjoy razor sharp pictures rich in color and detail, plus sensational sound tracks from a huge library of movies, music videos and other programming available on laser video discs. And, you'll hear the same spectacular sound on compact discs you get from a CD-only player. You get automatic play and instant response to commands. Memory-stop restarts a video where you stopped it—even if you turned off the player in between. Has 20-track/chapter programming with on-screen display, intro scan to preview selections, random play to shuffle tracks, auto edit to simplify CD-to-tape dubbing, and still-frame. 4x oversampling. RF and A/V outputs for easy hookup to TV or monitor. 4¾ x 167/8 x 15 1/2". UL listed AC. Remote requires 2 "AAA" batteries. (TSP available)
- Low As $20 Per Month

199.95

Increase your buying power! Apply for your Radio Shack ValuePlus® Credit Card Today
MEMOREX™ 13” COLOR TV/VCR COMBO

Compact, All-in-One Design...
Perfect for Bedroom, Dorm or Office

- Wireless Remote Control of Major TV & Tape Functions
- Automatic Play
- End-of-Tape Auto-Stop, Rewind, Eject

NEW! Memorex Model 14. Perfect for the home and it’s also ideal for video presentations to small groups in businesses, churches, service organizations and clubs. Easy to use — just insert a standard VHS tape for automatic play, stop, rewind and eject. The 22-key remote controls all major TV/VCR functions, including quick-timer to start a timed recording of up to eight hours at the touch of a button. Features 3-speed recording and playback, forward/reverse visual search for finding scenes on tape quickly and still/ pause control. TV/STD/HRC switch for compatibility with all cable systems, LED channel/ function display, 3” speaker plus 1/8” earphone jack for private listening. 75-ohm “F” connector. A/V input jacks. With indoor antennas. 14 1/4” x 14 1/2” x 15 3/4”. UL listed AC. Remote requires 2 “AA” batteries. (TSP available) 499.95

Low As $20 Per Month

TV SCREEN MEASURED DIAGONALLY / SIMULATED TV RECEPTION
YOU’LL SEE THE QUALITY IN OUR COLOR TVS

20” Stereo TV/Monitor With Remote
Realistic® TC-1003. This super-set is loaded with everything for total A/V enjoyment: 155-channel cable-compatible tuner, high-contrast flat/square screen, comb filter for improved picture, stereo-TV decoder with SAP, stereo amplifier, external-speaker terminals, A/V in/out jacks, and 1/8” stereo headphone jack. You also get remote on-screen display of channel/clock/timer, on/off and sleep timers, 27-key remote and last-channel flashback. With detachable VHF and UHF antennas. 18¼ x 24¾ x 18¼”. UL listed AC. Remote requires 2 “AA” batteries. 399.95

Low As $15 Per Month

19” With Remote On-Screen Display
Realistic TC-1012. Full-function remote and OSD put you in command, making all the sophisticated features a snap to use. Enjoy the full reaches of the 155-channel cable-compatible tuner, turn TV on or off, set the on/off or sleep timers, adjust or mute volume, scan or tune channels directly, flashback to previous channel, and store or remove stations in scan memory. High-contrast/high-resolution screen for best possible picture quality. Has earphone jack for private listening, includes detachable antennas. 18¼ x 18¾ x 17¾”. UL listed AC. Remote requires 2 “AA” batteries. 319.95

Low As $15 Per Month

13” TV/Monitor With Remote, OSD and Timer
Memorex™ TC-193. Features last-channel flashback, 122-channel tuner, direct audio and video inputs. Detachable antennas. 12¼ x 14¼ x 14¼”. UL listed AC. Remote requires 2 “AA” batteries. 99.95

Low As $15 Per Month

9” Portable TV/Monitor Plays on AC or Car DC
Memorex. Handle, 12VDC cord, jacks for earphone, ext. antenna. 10 x 10¾”. UL listed AC, 12VDC neg. gnd. 299.95

Low As $15 Per Month

5” TV/ Monitor Plays on AC, Battery or Car DC
Realistic. Carry handle, jacks for AV input, ext. antenna, earphone. 6¾ x 7 x 10¼”. UL listed AC adapter (or 10 “D” batteries or 12VDC cord, extra). 319.95

Low As $15 Per Month

10 TANDY SERVICE PLAN AVAILABLE ON ALL TVS ON THESE TWO PAGES—SEE PAGE 97 FOR INFORMATION
JOYMENT FOR HOME OR ON THE GO

Pocket-Size LCD Color TVs With Digital Tuning

NEW! Memorex® 2.7” PocketVision®-26. Crisp LCD picture and lock-on tuning with auto-search. A/V inputs make it a great, go-anywhere mini-monitor for camcorder or VCR. Jacks for adding earphone and external antenna. A/V input cable available on special order through CMC. 5⅛ x 3⅝ x 1⅞”! Requires 4 “AA” batteries (or AC or DC adapter, extra). 219.95

Realistic® PocketVision®-22 TV. Digital tuning locks in stations to let you keep up with news, sports and shows anywhere you go. LCD screen displays a clear picture, and you get up/down auto-search tuning. Telescoping antenna, plus jacks for adding earphone and external antenna. With carry case. 8¼ x 3¼ x 1¼”. Requires 4 “AA” batteries (or AC or DC adapter, extra). 149.95

Pocket-Sized LCD Color TVs With Digital Tuning

7” B&W TV With Built-In AM/FM Radio

Memorex. All-around TV/radio entertainment! Plays on AC, vehicle DC or batteries for viewing or listening anywhere. Built-in Ni-Cd battery charging circuit. Telescoping antenna, jacks for adding earphone, ext. antenna. 7¼ x 7¼ x 9”! UL listed AC adapter, 12VDC neg. gnd. (or 10 “D” batteries, extra). 139.95

5" B&W TV for Your Home or Vehicle

Memorex. Perfect for countertop, under a cabinet, or in van, boat or RV—plays on home AC or on vehicle DC with included cord. Mounts under cabinet with swivel bracket, slips out for portable use. Has telescoping antenna, plus jacks for adding earphone and external antenna. Only 5 x 6⅜ x 7½”. UL listed AC or 12VDC neg. gnd. 16-121 79.95

5" B&W TV With Built-In AM/FM Radio

Memorex PortaVision®-6 TV. Three-way power—use AC, vehicle DC or batteries. Swivel mounting bracket, sun visor, earphone. Built-in Ni-Cd charging circuit. Telescoping antenna, plus jack for adding external antenna. 6 x 6⅜ x 8½”. UL listed AC adapter, 12VDC neg. gnd. (or 10 “D” batteries, extra). 99.95

3½” B&W TV With Adjustable-Tilt Stand

Memorex. Great for desk or night table. Removable battery pack and built-in Ni-Cd charging circuit. Carry case. 4¾ x 4¼ x 5¼”. UL listed AC adapter (or 6 “C” batteries or DC adapter, extra). 16-122, Low As $15 Per Month 99.95

4½” B&W TV With AM/FM Stereo Cassette

Memorex. “Everything” portable with dual 4” speakers, stereo headphone jack and auto-level audio recording. Monaural mike jack. 6⅛ x 17⅞ x 5¾”. UL listed AC (or 8 “D” batteries or DC adapter, extra). 16-119 Low As $15 Per Month 159.95

5” B&W TV With Built-In AM/FM Radio

Memorex. Perfect for counter-top, under a cabinet, or in van, boat or RV—plays on home AC or on vehicle DC with included cord. Mounts under cabinet with swivel bracket, slips out for portable use. Has telescoping antenna, plus jacks for adding earphone and external antenna. Only 5 x 6⅜ x 7½”. UL listed AC or 12VDC neg. gnd. 16-121 79.95

7” B&W TV With Built-In AM/FM Radio

Memorex. All-around TV/radio entertainment! Plays on AC, vehicle DC or batteries for viewing or listening anywhere. Built-in Ni-Cd battery charging circuit. Telescoping antenna, jacks for adding earphone, ext. antenna. 7¼ x 7¼ x 9”! UL listed AC adapter, 12VDC neg. gnd. (or 10 “D” batteries, extra). 139.95

5" B&W TV for Your Home or Vehicle

Memorex. Perfect for countertop, under a cabinet, or in van, boat or RV—plays on home AC or on vehicle DC with included cord. Mounts under cabinet with swivel bracket, slips out for portable use. Has telescoping antenna, plus jacks for adding earphone and external antenna. Only 5 x 6⅜ x 7½”. UL listed AC or 12VDC neg. gnd. 16-121 79.95

5” B&W TV With Built-In AM/FM Radio

Memorex PortaVision®-6 TV. Three-way power—use AC, vehicle DC or batteries. Swivel mounting bracket, sun visor, earphone. Built-in Ni-Cd charging circuit. Telescoping antenna, plus jack for adding external antenna. 6 x 6⅜ x 8½”. UL listed AC adapter, 12VDC neg. gnd. (or 10 “D” batteries, extra). 99.95

3½” B&W TV With Adjustable-Tilt Stand

Memorex. Great for desk or night table. Removable battery pack and built-in Ni-Cd charging circuit. Carry case. 4¾ x 4¼ x 5¼”. UL listed AC adapter (or 6 “C” batteries or DC adapter, extra). 16-122, Low As $15 Per Month 99.95

4½” B&W TV With AM/FM Stereo Cassette

Memorex. “Everything” portable with dual 4” speakers, stereo headphone jack and auto-level audio recording. Monaural mike jack. 6⅛ x 17⅞ x 5¾”. UL listed AC (or 8 “D” batteries or DC adapter, extra). 16-119 Low As $15 Per Month 159.95

TV SCREENS ON THESE TWO PAGES MEASURED DIAGONALLY / SIMULATED TV RECEPTION
Optimus Audio Components and our high-performance Optimus speakers are the culmination of our 70-year tradition of electronics excellence. Every Optimus component combines the latest in technology and features to give you truly outstanding sound.

The Optimus Brand utilizes superior components and design. Each is backed by the tightest quality-control program in the consumer electronics industry. For ease of operation, superlative performance and enduring value, Optimus is the obvious choice.

**Main Amplifier:**
- 100 watts per channel, minimum RMS into 8 ohms from 20-20,000 Hz, with no more than 0.05% THD

**Surround Amplifier:**
- 25 watts total, minimum RMS into 8 ohms at 1 kHz, with no more than 0.5% THD

Our Finest Receiver!

**Dolby Surround, Hall Mode, Plus Audio and Video Dubbing**

**Optimus STAV-3200.** This is our masterwork! You get the features to control a complete home entertainment system and the power to drive the finest speakers. A full array of inputs lets you connect a CD player, turntable, two cassette decks, and two video sources. True Dolby Surround™ decoder and built-in rear channel amplifier give you “movie theatre” thrills from thousands of laser video discs, stereo video tapes, even many TV stereocasts. And the Hall mode simulates the depth and realism of a concert hall from nearly any nonencoded stereo source. Full-function remote controls all major functions—and the motorized volume control gives you continuous, not incremental, adjustments without the distortion introduced by some remote volume systems. You get 30 AM/FM memory presets, search and scan tuning, and an output meter for each channel. All this plus high and subsonic filters, video and two-way audio dubbing, FM muting, two switched and one unswitched AC convenience outlets and separate terminals for surround speakers. UL listed AC. Remote requires 2 “AA” batteries. (TSP avail.)

**Specifications:**
- **Amplifier:** Response: 20-20,000 Hz ± 1 dB, S/N: 85 dB phono, 95 dB aux. Capture Ratio: 2.5 dB. **FM Tuner:** Sensitivity (HF): 1.7 µV (9.6 dB), S/N: 72 dB, IF Rejection: 85 dB. Stereo Harmonic Distortion: 0.4%. Channel Separation (at 1 kHz): 45 dB. Size: 4½ x 17¾ x 13¾”.

Save! Buy a Complete Home Audio Component System From Radio Shack

Select the Components of Your Choice and get an audio system that’s perfect for your needs and budget. A minimum system consists of a stereo receiver or amplifier, a pair of speaker systems, and a CD player, turntable, cassette deck or equalizer.

The Discount is 10% Off our regular current catalog price of each item. You can include sale-priced audio components, but sale prices cannot be further discounted. The discount applies to our 14, 31, 40 and 42-series audio components only. Select your system now!
Optimus STAV-3100. A real powerhouse! Select any of 30 preset stations, scan stations in search mode, tune manually or by remote. Controls for dual-tape dubbing and monitoring, plus video dubbing. Matrix surround circuit for the added ambiance of surround sound from any program source. LED volume-muting indicator. Inputs: magnetic turntable, CD/aux, two tape decks, two video sources. Video monitor output. Remote requires 2 "AA" batteries. (TSP available) 31-3017  .......... Low As $20 Per Month

Optimus STAV-3000. Perfect partner for your audio/video system. Loudness, hi-blend and FM mono/mute controls, subsonic and hi filters. With matrix surround, you can enjoy the surround-sound effect from any program source—just add rear speakers. Also has dual 7-step output power meters and rotary bass, midrange and treble controls. Inputs: CD/aux, magnetic phono, two audio tape decks and two video sources. Video monitor output. (TSP available) 31-3008  .......... Low As $15 Per Month

Digital-Tuning Stereo Receiver With 18 Memory Presets

- Affordable Price and Ample 50 Watts Per Channel Make It a Great Choice for Home Audio

NEW! Optimus® STA-795. Drift-free digital tuner locks on stations, has search mode and feather-touch controls. Memory stores 12 FM and six AM stations. Features separate bass and treble controls, plus FM muting to silence noise between stations. Has loudness and tape monitor controls, 5-step LED power meter. Inputs: CD/aux, magnetic phono, tape deck, video sound source. (TSP available)
31-2101 ...... Low As $15 Per Month 19995

Compact-Sized Digital-Tuning AM/FM Stereo Receiver

- Memory Stores 12 FM and Six AM Stations for Instant Recall Anytime

NEW! Optimus STA-300. Drift-free digital tuner has search mode and feather-touch tuning controls, and lets you store your favorite stations in memory with a single touch. Features multifunction LCD display, separate bass and treble controls, loudness control. Inputs: CD/aux, magnetic phono, tape deck. (TSP available)
31-1991 ...... Low As $15 Per Month 13995

Our Smallest, Lowest Priced AM/FM Stereo Receiver

- Magnetic Phono and Aux Jacks, Plus CD/Tape Input for Portable CD Player or Cassette

Optimus STA-20. Delivers excellent sound and is ideal for dorm, office or reception area. Add turntable and cassette player or connect your portable stereo. Special EQ circuit provides uniform energy output at all frequencies for rich, full sound even from mini-speakers. Loudness control. Was $129.95 in 1991 Catalog. (TSP available) 31-1979 ...... Low As $15 Per Month

10-Band Equalizer With Expander

- 90-LED Spectrum Display Lets You See the Adjustments You Make to the Sound

NEW! Optimus EQ with IMX™ Stereo Expander lets you hear sound from between, even beyond your speakers for more “Live In Concert” effect! Has 20 narrow-band controls for precise sound-shaping, bypass button, tape control center and EQ/record button. 3¼ x 16½ x 9¾”. (TSP available)
31-2025, Low As $15 Per Month 11995
TURNTABLES & MINI STEREO COMPONENTS

Microprocessor-Controlled Turntable

- Linear-Tracking Straight-Line Tonearm Plays Your Records the Way They Were Cut for Superior Sound and Longer Record Life
- Fully Automatic Programmable Repeat Belt-Drive Mechanism
- Includes Audio-Technica Dual-Magnet Cartridge

Optimus LAB-2250. Highest quality from our premium brand. A microprocessor keeps the stylus precisely angled for cleaner sound and longer record life. Tracks at less than 1 1/2 grams. Features automatic start and shutoff, plus repeat-play to return tonearm to beginning of side in play. The brushless DC servomotor keeps speed precise to reduce wow. Belt drive absorbs vibration. Has LED repeat-play and record-speed indicators. Power-failure protection. With 45-RPM adapter. Rumble: -55 dB. Wow and Flutter: 0.1%. 3 3/4 x 14 1/4 x 13 3/4. UL listed AC. (TSP available) 42-2921 Low As $15 Per Month

Automatic Belt-Drive Turntable

- Automatic Record-Size Selection
- Auto Arm Return/Shutoff
- Belt Drive
- Audio-Technica Dual-Magnet Cartridge

Optimus LAB-460. Features front-panel soft-touch controls, plus damped tonearm cueing. Has 33 1/3 or 45 RPM selector and anti-static mat. With 45-rpm adapter. Rumble: -55 dB. Wow and Flutter: 0.1%. 3 3/4 x 13 3/4 x 13 3/4. UL listed AC. (TSP available) 42-2920 Low As $15 Per Month

Semi-Automatic With Belt Drive

- Switchable Preamp to Match Any Audio Input
- Audio-Technica Dual-Magnet Cartridge

Realistic® LAB-340. Stereo preamp matches ceramic phono, aux and tape inputs. Straight-line tonearm, auto arm return/shutoff. 33 1/3 or 45 RPM selector, anti-static mat. 45-RPM adapter. Rumble: -55 dB. Wow and Flutter: 0.15%. 4 3/4 x 13 3/4 x 13 3/4. UL listed AC. (TSP avail.) 42-2919 Low As $15 Per Month

AM/FM Stereo Mini Tuner

Realistic TM-150. PLL circuitry and exclusive Auto-Magic® FM tuning ensure best possible reception. Stereo/mono button, FM stereo LED. Built-in antennas, terminals for external FM antenna. 2 1/2 x 9 x 6 1/2. UL listed AC. (TSP available) 31-1956

Matching Stereo Mini Amplifier

Realistic SA-150. Use with mini-tuner at left or other stereo components. Magnetic/ceramic phono input for use with all turntables, plus stereo/mono button, tone control and 1/4" headphone jack. 2 1/2 x 9 x 6 1/2. UL listed AC. (TSP available) 31-1955

Stereo Micro-Amplifier

Realistic SA-10. Space-saver is ideal for background music. Inputs for a record player with ceramic cartridge plus tuner or tape deck. Stereo/mono button, left/right volume controls, tone control. 3 3/4 x 8 x 5 1/4. UL listed AC. 31-1982

AM/FM Stereo Mini Tuner

Realistic TM-150. PLL circuitry and exclusive Auto-Magic® FM tuning ensure best possible reception. Stereo/mono button, FM stereo LED. Built-in antennas, terminals for external FM antenna. 2 1/2 x 9 x 6 1/2. UL listed AC. (TSP available) 31-1956

Matching Stereo Mini Amplifier

Realistic SA-150. Use with mini-tuner at left or other stereo components. Magnetic/ceramic phono input for use with all turntables, plus stereo/mono button, tone control and 1/4" headphone jack. 2 1/2 x 9 x 6 1/2. UL listed AC. (TSP available) 31-1955

Stereo Micro-Amplifier

Realistic SA-10. Space-saver is ideal for background music. Inputs for a record player with ceramic cartridge plus tuner or tape deck. Stereo/mono button, left/right volume controls, tone control. 3 3/4 x 8 x 5 1/4. UL listed AC. 31-1982
Our Best 3-Way Speaker System With Massive 15" Woofer

- Incredible Response—Pumps Out Bass You Can Actually Feel
- Horn Midrange and Tweeter for Superb Depth and Realism
- Advanced High-Efficiency Tuned-Port Enclosure Design

NEW! Optimus Mach Three™. Awesome speaker delivers superb concert-like sound with deep, solid bass! Ideal for use with today’s digital audio systems. Midrange and tweeter horns are ferrofluid cooled to increase power handling capacity and have variable level controls to adjust output. Removable cloth grille. Furniture-grade oiled walnut finish. 40-4039, Low As $15 Per Month $299.95

Response: 30-20,000 Hz. Power Handling Capacity: 160 watts. Sensitivity: 93 dB (SPL at 1 watt/1 meter). Impedance: 8 ohms. Size: 30 x 17¼ x 13".

3-Way Bass-Reflex Speaker System With 15" Woofer

- Ready to Handle Today’s Digital-Age Audio Systems
- 5" Midrange Driver • 3" Cone Tweeter • Tuned-Port Design
- Handsome Styling With Furniture-Grade Oiled Walnut Finish

Optimus®-1050. Incredible sound without the high price! Efficient bass-reflex design coupled with a massive 15" woofer for rich, solid bass response. Add a midrange engineered for smooth, natural sound, plus a cone tweeter for crisp, clean highs and you have a speaker system with qualities usually found only in much higher priced systems. Removable cloth grille. 40-1131 . . . . . . . . . Low As $15 Per Month $199.95

Response: 55-20,000 Hz. Power Handling Capacity: 100 watts. Sensitivity: 90 dB (SPL at 1 watt/1 meter). Impedance: 8 ohms. Size: 29¾ x 17¾ x 12".

APPLY FOR RADIO SHACK VALUEPLUS® REVOLVING CREDIT AND INCREASE YOUR BUYING POWER—SEE PAGE 3
HIGH-PERFORMANCE SPEAKER SYSTEMS

Our Best 2-Way Speaker With 15" Woofer

- Powerful Long-Throw Woofer Delivers Solid Bass Response
- Wide-Dispersion Piezo Horn Tweeter

Optimus-990. A solid performer! Huge high-compliance woofer and bass-reflex design team up to deliver deep bass with a powerful punch. Wide dispersion piezo horn tweeter brings out detailed highs. Genuine oiled walnut veneer. Removable cloth grille.

Response: 50-20,000 Hz. Power Handling Capacity: 100 watts. Sensitivity: 90 dB (SPL at 1 watt/1 meter). Impedance: 8 ohms. Size: 23¼ x 19½ x 11¼".

3-Way Speaker With Long-Throw 12" Woofer

- Outstanding Sound Reproduction
- Tuned-Port Enclosure
- 5" Midrange
- 3" Cone Tweeter for Crisp, Clear Highs


Response: 50-20,000 Hz. Power Capacity: 100 watts. Sensitivity: 90 dB (SPL at 1 watt/1 meter). Impedance: 8 ohms. Size: 25½ x 14¼ x 11¼".

Value-Priced 3-Way Speaker With 10" Woofer

- Advanced Tuned-Port Enclosure Design
- 5" Dynamic Midrange for Smooth Tones
- Wide-Dispersion Piezo Horn Tweeter


Response: 55-20,000 Hz. Power Capacity: 100 watts. Sensitivity: 90 dB (SPL at 1 watt/1 meter). Impedance: 8 ohms. Size: 25¼ x 12¼ x 10¼".

5-YEAR LIMITED WARRANTY INCLUDED. Realistic MC series, Nova, Minimus-777/26/21/0.3/2.5, Optimus and Mach Three speaker systems are warranted against defects for five years from the date of purchase. Within this period Radio Shack will repair the equipment without charge for parts and labor. Simply bring in your sales slip as proof of purchase date to your Radio Shack store. Warranty does not cover equipment subjected to misuse or accidental damage. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

POWER RATING INFORMATION. The figures stated with 40-series speaker systems indicate the speaker may be used with equipment delivering up to the stated (RMS) continuous power per channel driven to clipping 10% of the time on normal source material.

RADIO SHACK—71 YEARS OF VALUE, SERVICE AND RELIABILITY IN ELECTRONICS
High-Power Capacity!
A Great 2-Way System
- 10" Long-Throw Woofer for Solid Bass
- 3" Tweeter with Ferrofluid Cooling


Walnut-Vinyl Extensions
(1) NEW! Minimus-21. Full-range 4" driver. 10 watts. 9½" x 5½" x 4½". 40-228 . . . Each 24.95
(2) Minimus-3. Full-range 5" driver. 7 watts. 10 x 8½" x 5½". 40-913 . . . . . . . Each 15.95
(3) Minimus-0.3. Cube speaker with 3" driver. 7 watts. 4 x 4 x 3½". 40-1250 . . . . Each 14.95
(4) Minimus-2.5. Shielded, OK to use near TV, 4" driver. 10W. 6½" x 4½" x 4½". 40-1999, Each 19.95

Bass-Reflex 2-Way System
For Floor or a Larger Shelf
- 8" High-Compliance Long-Throw Woofer
- 2½" Wide-Dispersion Dynamic Tweeter


Angled Speaker Stands
(1) Improve sound and imaging by elevating and properly angling speakers. Extra-sturdy. 7½" x 13½" x 10½". 40-1266 . . . . . . . . Each 34.95
(2) For speakers, TV, plants, anything you want to rotate. Steel bearings. For most carpeted floors. 1½" x 15½" x 11½". 42-3033, Each 9.95

Compact Performer! 2-Way Acoustic Suspension System
- 5" Long-Throw Woofer
- 2½" Tweeter


Realistic® Super-Tweeters
Now you can easily add extra high-frequency brilliance and improved stereo imaging to almost any speaker system. Easy 2-wire hookup.
(2) Piezo. Extends response to 27,000 Hz. 75 watts. 3½" square. 40-1380 . . . . . . Each 12.95
12" Subwoofer Pumps Out Bass You Can Actually Feel

NEW! (1) Realistic® 12" Subwoofer. Enjoy thunderous bass, even in a room too small for large speakers. Perfect match with our Minimus-7 and 77 and other smaller speakers that can't deliver bass with a solid "punch" you can actually feel. Long-throw 12" driver with dual voice coils, built-in crossover, push terminals for input from receiver and for connecting satellite speakers. Response: 35-200 Hz. Capacity: 100 watts, total. Walnut veneer. Dimensions: 12\(\frac{5}{8}\)" x 18\(\frac{1}{8}\)" x 15\(\frac{1}{4}\)". Price: $139.95. Sales ending soon. Low As $15 Per Month

Our Ever-Popular 2-Way, Die-Cast Mini Speaker

(2) Realistic Minimus-7. Don't be fooled by size. Only 7\(\frac{1}{8}\)" high, yet delivers great sound. Has a 4" long-throw woofer and 1" soft-dome tweeter. Super for surround sound. All-metal enclosure has hanger slot for wall-mounting. Response: 120-20,000 Hz. Power handling capacity: 40 watts. Dimensions: 7\(\frac{1}{8}\)" x 4\(\frac{7}{16}\)" x 4\(\frac{3}{8}\)". Colors: Black, White. Price: $49.95 each. Pair: $79.95. Mounted brackets included.

2-Way Mini-7 in Genuine Walnut Finish

(3) Realistic Minimus-7W. The amazing sound of Fig. 2, but with genuine walnut veneer. Compact size and matching finish make this the perfect satellite speaker for our subwoofer, above. Enjoy top-flight sound with a system that fits anywhere. Great for mini systems and surround sound, too. Removable grille. Dimensions: 8 x 5 x 4\(\frac{3}{8}\)". Price: $59.95 each. Pair: $119.90.

Deluxe 2-Way Die-Cast Mini Speaker

(4) Realistic Minimus-77. Incredible performance for its small size—you get deep bass and crisp, detailed highs. Combines a 5" long-throw woofer and soft-dome, wide-dispersion tweeter. Just right for a bookshelf at home or office as well as vehicle use. Also makes a great monitor speaker for singing groups. Keyhole slot and recessed terminals for easy wall-mounting. Response: 50-20,000 Hz. Power handling capacity: 55 watts. Dimensions: 9\(\frac{1}{4}\)" x 5\(\frac{7}{8}\)" x 4\(\frac{3}{8}\)". Colors: White, Black. Price: $79.95 each. Pair: $159.90. Mounted brackets included.

Personal Speaker

Share your music! Plugs into the \(\frac{1}{8}\)" headphone jack of most personal stereo cassette and CD players. Price: $9.95.

Mini Size for Auto or Home

- Excellent Sound at a Small Size and Price

Realistic Minimus-3.5. High-density molded enclosure helps extend bass. Steel grille, 3" driver. Power capacity: 15 watts. Dimensions: 5\(\frac{1}{4}\)" x 3\(\frac{3}{4}\)" x 3\(\frac{1}{8}\)". Price: $23.95 each. Pair: $47.90.

In-Wall 2-Way Speaker System

- Flush-Mounts in Wall or Ceiling—Saves Space

Attractive 2-way speaker system with a 5\(\frac{3}{4}\)" woofer and 1" soft-dome tweeter. 60-20,000 Hz response. Capacity: 30 watts. With mounting bracket. Dimensions: 11\(\frac{1}{8}\)" x 7\(\frac{7}{8}\)" x 2\(\frac{1}{2}\)". Price: $49.95 each. Pair: $99.90.

NOMINAL IMPEDANCE OF ALL RADIO SHACK HOME SPEAKER SYSTEMS IS 8 OHMS
OPTIMUS® HIGH-SPEED DUBBING DECKS

Dolby HX Pro, Dual Auto-Reverse

NEW! Optimus® SCT-37. Dolby HX Pro records more signal to greatly improve sound—and it’s not an encoding system, so you can enjoy its results on decks without HX Pro. You also get Dolby B-C NR. High-speed synchro-dubbing and dual auto-reverse let you copy both sides of a tape with one touch. Auto-sets tape bias and EQ, has quick-reverse, record level meter and continuous play. Jacks for ¼" mikes and headphone. 14-659...Low As $15 Per Month 279.95

Response: ±3 dB: 40-16,000 Hz (metal), 40-15,000 Hz (Cr2O3/Hi-Bias/Type II), 40-14,000 Hz (normal/Type I). Wow and Flutter: 0.06% WRMS. S/N: 78 dB Dolby C. 53 dB Dolby out ("A" weighted, metal tape). Record/Play Distortion: 1%. Size: 4 ½ x 17 x 11/4.

Dual Auto-Reverse, Dolby™ B-C

NEW! Optimus® SCT-36. Dual auto-reverse and high-speed synchro-dubbing copy both sides of a tape with just a touch. Auto tape selector automatically chooses bias and equalization for best sound from any type of tape. Dolby B-C greatly improves sound. Features 2-tape continuous play, plus LED record level and peak level meters. Jacks for ¼" mikes and headphone. 14-658...Low As $15 Per Month 229.95

Response: ±3 dB: 50-15,000 Hz (metal), 50-14,000 Hz (Cr2O3/Hi-Bias/Type II), 50-12,000 Hz (normal/Type I). Wow and Flutter: 0.18% WRMS. S/N: 66 dB Dolby C; 60 dB Dolby B; 50 dB Dolby out ("A" weighted, metal tape). Record/Play Distortion: 1.2%. Size: 4 ½ x 17 x 8 ½.

Soft-Touch Controls Plus Dolby B-C NR

- High-Speed Synchro-Dubbing Copies Tapes in Half the Normal Time
- Dolby C Improves Noise Reduction 10 Times Over Dolby B

Optimus SCT-74. Soft-touch controls—a light touch is all it takes! Play-only deck 1 delivers superb stereo sound. Deck 2 is a recorder/player with optimum recording features. Features metal/Cr2O3/normal tape bias selectors, auto-stop, 3-digit tape counter and pause. Record level controls and LED record level meter. Jacks for ¼" mikes and headphone. Response: ±3 dB: 60-14,000 Hz (metal), 60-12,500 Hz (Cr2O3/Hi-Bias/Type II), 60-10,000 Hz (normal/Type I). Wow and Flutter: 0.12% WRMS, S/N: 70 dB Dolby C; 62 dB Dolby B (ref. 3% distortion, "A" weighted, metal tape). Record/Play Distortion: 1.0%. 3rd HD. Size: 4 ½ x 16 ½ x 8 ½. 14-649, Low As $15 Per Month 179.95

High-Speed Dubbing With Dolby B NR

- Dolby B NR Cuts Tape Hiss to Greatly Improve Sound
- Continuous Mode Auto-Plays Two Tapes in Sequence

Optimus SCT-87. Start your high-speed dubbing with the touch of just one button, and copy personal tapes in half the normal time. Gives you end-of-tape auto-stop, metal/Cr2O3/normal bias selectors, record level controls and 10-step record level meter, plus power/record/high-speed dubbing LEDs. Jacks for ¼" mikes and headphone. Response: ±3 dB: 60-14,000 Hz (metal), 60-13,000 Hz (Cr2O3/Hi-Bias/Type II), 60-12,000 Hz (normal/Type I). Wow and Flutter: 0.12% WRMS, S/N: 64 dB Dolby C; 60 dB Dolby B; 50 dB Dolby out ("A" weighted, metal tape). Record/Play Distortion: 1.5%. Size: 4 ½ x 16 ½ x 7 ¼. 14-655...Low As $15 Per Month 149.95

PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS
WE'RE NUMBER 1 IN CASSETTE RECORDERS

HX Pro, Dual Quick-Reverse
Optimus® SCT-89. Our finest! Double auto-reverse lets you copy both tape sides at high or normal speed with one touch of the synchro-start control. Continuous mode plays both tapes nonstop. Record/play deck 2 has Dolby HX Pro. Playback deck 1 has Dolby B-C noise reduction. Both decks have 2-motor transports for most precise speed operation. Auto tape selector, record mute, level meter, blank scan. Jacks for ¼" mikes and headphone.

14-657 . . . Low As $15 Per Month

Response: ± 3 dB: 30-17,000 Hz (metal/Type IV), 30-15,000 Hz (CrO₂/Hi-Bias/Type II), 30-15,000 Hz (Normal/Type I). Wow and Flutter: 0.06% WRMS. S/N: 79 dB Dolby C, 69 dB Dolby B ("A" weighted, metal). Record/Play Distortion: 1.0%. Size: 5 x 17¾ x 9¾".

HX Pro, Quick Auto-Reverse
Optimus SCT-88. Auto-reverse deck is ideal for recording from digital sources. Dolby HX Pro greatly improves sound by recording more signal without distortion. Has Dolby B-C noise reduction, too. Fast 0.3-second auto-reverse, continuous playback mode, full-logic controls for smooth operation, cue/review audible search, auto bias and fine-tuning control. Jacks for ¼" mikes and headphone.

84-656 . . . Low As $15 Per Month

Response: ± 3 dB: 20-18,000 Hz (metal), 20-17,000 Hz (CrO₂/Hi-Bias/Type II), 20-16,000 Hz (Normal/Type I). Wow and Flutter: 0.06% WRMS. S/N: 78 dB Dolby C, 65 dB Dolby B ("A" weighted, metal). Record/Play Distortion: 1.0%. Size: 5 x 17 x 9¾".

Auto-Reverse Play Deck
- Great for Background Music, Music-on-Hold
- Or Just Uninterrupted Enjoyment
Realistic® SCP-32. A deluxe stereo cassette player that's perfect for tight spaces! Playback-only deck has auto-reverse to let you hear both sides of tapes in sequence without interruption, plus Dolby B noise reduction to cut tape noise and greatly improve sound. Metal-CrO₂/normal tape selector for best possible sound, auto-stop to protect your tapes, pause control. 4¾" x 8¼" x 5¼". 14-600 . . . . Low As $15 Per Month

Low-Cost Playback Deck
- Provides Quality Cassette Stereo at a Price Anyone Can Afford
Realistic SCP-31. Inexpensive way to add cassette listening to any existing stereo system with aux or tape-in jacks. Great for office, dorm, bedroom—anywhere space is limited. Full auto-stop protects your tapes and the player's mechanism. Has metal-CrO₂/normal tape selector for best possible sound from any type of cassette. Pause control. Just plug in with included patch cord. 4¾" x 8¼" x 5¼". 14-647

Record/Play Compact
- Low-Cost Way to Add a Full-Featured Deck to Any Stereo System

19995

DECKS ON THESE TWO PAGES ARE UL LISTED AC AND HAVE TANDY SERVICE PLAN AVAILABLE / DOLBY™ LABORATORIES LICENSING CORP.
**Drawer-Style Carousel Changer With 8-Times Oversampling and Dual 18-Bit D/A Converters**

**NEW!** Optimus CD-5200. Our finest! You'll love the automatic 5-disc convenience, and you'll get digital sound so pure you won't believe your ears. Program up to 32 tracks in any order, or let random play shuffle selections from all discs for variety. Gives you 5-way repeat, intro scan to "preview" tracks, disc skip and auto search. Auto-space for dubbing. 1/4" headphone jack with volume control. 3" CD-compatible. Remote requires 2 "AA" batteries. 42-5023... Low As $15 Per Month

**Top-Loading Carousel Changer With 4-Times Oversampling and Dual 16-Bit D/A Converters**

**NEW!** Optimus CD-6120. Convenient top-loading changer keeps disc labels visible, and you can add or remove discs without interrupting playback. Play discs in sequence, up to 32 tracks in any order or use random play for a different concert every time. You can repeat a track, disc, all discs or your programmed selections, and intro-scan gives you a 10-second "preview" of each track. 3" CD-compatible. Remote requires 2 "AA" batteries. 42-5022... Low As $15 Per Month

- Enjoy an Entire Evening of Uninterrupted Music
- Random Play > 32-Track Programmable Memory
- Repeat a Track, a Disc, All Five Discs, Your Memory Program or Part of a Disc

**Frequency Response:** 20-20,000 Hz ± 0.5 dB. **Signal-to-Noise Ratio:** 105 dB. **Dynamic Range:** 98 dB. **Harmonic Distortion:** 0.008% at 1 kHz. **Wow and Flutter:** Below measurable limits. **Sampling Frequency:** 44.1 kHz. **Oversampling:** 8 times. **Signal Processing Rate:** 352.8 kHz. **Size:** 5/4 x 17 x 141/2".

- Hours of Pure, Uninterrupted Digital Audio
- Random Play > 32-Track Programmable Memory
- Intro Scan "Previews" Selections ■ Disc Skip
- Four-Way Repeat Play ■ Holds Five Discs

**Frequency Response:** 20-20,000 Hz +1/-2.0 dB. **Signal-to-Noise Ratio:** 105 dB. **Dynamic Range:** 95 dB. **Harmonic Distortion:** 0.04% at 1 kHz. **Wow and Flutter:** Below measurable limits. **Sampling Frequency:** 44.1 kHz. **Oversampling:** 4 times. **Signal Processing Rate:** 176.4 kHz. **Size:** 4 1/4 x 14 1/4 x 14".
Audio Excellence! Full-Size Single-Disc CD Player

- 8-Times Oversampling
- Random Play
- Dual 18-Bit D/A Converters
- Music Calendar
- 20-Track Memory

NEW! Optimus CD-1660. Live in Concert! performance at its finest—gives you sound reproduction so accurate you'll be looking for the musicians. You can program up to 20 tracks in any order, and see 16 selections on the music calendar display. Repeat a track, disc or part of a disc. Has random play, intro scan, auto-search and auto-space. 1/4"-headphone jack with volume control. 3" CD-compatible. Remote requires 2 "AA" batteries.


NEW! Optimus CD-2460. Gives you superb digital stereo and full-featured performance. Random play shuffles tracks to give you a different concert every time. You can program up to 16 tracks in any order, and repeat a track or disc. Has auto-search and bidirectional audible search to quickly find favorite selections, auto-space for dubbing, and a 1/4" headphone jack. 3" CD-compatible. Remote requires 2 "AAA" batteries.

OPTIMUS... LIVE IN CONCERT

Frequency Response: 20-20,000 Hz ± 0.5 dB. Signal-to-Noise Ratio: 104 dB. Dynamic Range: 97 dB. Harmonic Distortion: 0.005% at 1 kHz. Wow and Flutter: Below measurable limits. Sampling Frequency: 44.1 kHz. Oversampling: 8 times. Signal Processing Rate: 352.8 kHz. Size: 3¾ x 17¾ x 9¾".

Frequency Response: 20-20,000 Hz ± 0.5 dB. Signal-to-Noise Ratio: 104 dB. Dynamic Range: 97 dB. Harmonic Distortion: 0.005% at 1 kHz. Wow and Flutter: Below measurable limits. Sampling Frequency: 44.1 kHz. Oversampling: 8 times. Signal Processing Rate: 352.8 kHz. Size: 3¾ x 13¾ x 11¾".

Frequency Response: 20-20,000 Hz ± 0.5 dB. Signal-to-Noise Ratio: 100 dB. Dynamic Range: 96 dB. Harmonic Distortion: 0.035% at 1 kHz. Wow and Flutter: Below measurable limits. Sampling Frequency: 44.1 kHz. Oversampling: 4 times. Signal Processing Rate: 176.4 kHz. Size: 3¾ x 13¾ x 11¾".

TANDY SERVICE PLAN AVAILABLE ON ALL CD PLAYERS
What a Combo! Optimus® CD Player With Auto-Reverse Cassette Deck

- 4x Oversampling
- Dolby™ B and HX Pro

NEW! Optimus SCT-50.
Two outstanding high-performance Optimus stereo components in one—at one low price! Optimus CD player gives you 4x oversampling and dual 16-bit D/A converters for superb digital sound. Tape deck has Dolby B NR plus Dolby HX Pro to record more signal without distortion—you’ll get outstanding results when dubbing from your CDs. Has 16-track programmable CD memory, disc/track repeat, metal-CrO2/normal bias selector and convenient one-touch CD-to-cassette synchro-dubbing. UL listed AC. (TSP available) 14-661

Low As $15 Per Month

Programmable Portable CD
Realistic® CD-3250. Add headphones or play through home stereo with included cable. Stores 16 tracks to play in any order. Features track/disc repeat, plus auto-search to help you find selections fast. LCD display. 3" CD compatible. Ni-Cd charging circuit. Shoulder strap. Requires 6 "AA" batteries or AC or DC adapter. Was $199.95 in 1991 Catalog. (TSP available) 42-5017 .... Low As $15 Per Month

Frequency Response: 20-20,000 Hz ± 0.5 dB. S/N: 93 dB. Dynamic Range: 95 dB. Harmonic Distortion: 0.002% at 1 kHz. Wow & Flutter: Below measurable limits. Sampling Frequency: 44.1 kHz. Oversampling: 2 times. Signal Processing Rate: 88.2 kHz. Size: 13/4" x 5/8" x 6/8".

NEW LOW PRICE! $169.95

Remote-Control Portable CD
NEW! Optimus CD-3360. High performance! 8x oversampling and dual 16-bit D/A converters give you stunning digital sound purity. Wired remote control for extra convenience. Features intro-scan, bass boost, 20-track memory and track/disc repeat. With carry pouch, shoulder strap and cable for home-stereo use. Requires 2 "AA" batteries or AC or DC adapter. (TSP avail.) 42-5028, Low As $15 Per Month

Frequency Response: 20-20,000 Hz ± 0.5/-2.0 dB. S/N: 95 dB. Dynamic Range: 95 dB. Harmonic Distortion: 0.05% at 1 kHz. Wow & Flutter: Below measurable limits. Sampling Frequency: 44.1 kHz. Oversampling: 8 times. Signal Processing Rate: 352.8 kHz. Size: 13/4" x 5/8" x 6/8".

Low As $15 Per Month

299.95

Portable CD With AM/FM Stereo
Realistic CD-3500. Enjoy pure digital stereo from CDs, plus FM stereo and AM stations on the go or through your home stereo with included cable. Auto-search and bidirectional audible search help you find CD selections fast. LCD track display/LED FM-stereo indicator. 3" CD compatible. With shoulder strap. Requires 6 "AA" batteries or AC or DC adapter. (TSP available) 42-5026 ... Low As $15 Per Month

Frequency Response: 20-20,000 Hz ± 0.5/-2.0 dB. S/N: 86 dB. Dynamic Range: 85 dB. Harmonic Distortion: 0.05% at 1 kHz. Wow and Flutter: Below measurable limits. Sampling Frequency: 44.1 kHz. Oversampling: 2 times. Signal Processing Rate: 88.2 kHz. Size: 13/4" x 5/8" x 6/8".

189.95

Our Finest Headphones
For CD Portables
Realistic PRO-25. Titanium-layered diaphragms and special coil windings and magnets virtually eliminate distortion, deliver incredible "detail". 15-25,000 Hz. 33-1022, 39.95

Share the Stereo!
Amplified Speakers
Minimus®-0.4. 4" drivers, bass/treble boost. Uses ¼" headphone jack. Output: 1.5W/ohm. Requires 4 "C" batteries or AC or DC adapter. 40-1267 ... Pr. 29.95

ENJOY YOUR PORTABLE CD ON THE ROAD WITH OUR CAR CASSETTE ADAPTER / DOLBY™ LICENSING LABORATORIES INC.
AM/FM Stereo Dual-Cassette Tabletop
- Dual Deck Copies Personal Tapes, Plays Two in Sequence
- Synchro-Start • Belt-Drive Turntable • Headphone Jack

NEW! Clarinette®-125. Budget-priced performer offers good stereo sound with easy operation—and it fits almost anywhere. Synchro-start copies personal tapes with one-touch ease. Continuous mode auto-plays two tapes in sequence, and auto-stop protects tapes. Record directly from FM stereo, AM or turntable as you listen. Two-speed turntable has hinged cover. Tone control, 1/4” stereo headphone jack. Each speaker has a 4” driver in a 15 x 8 x 5 1/4” enclosure. Table unit: 10 x 14 3/4 x 11 3/4”. (TSP available) 13-1245 Low As $15 Per Month 179.95

Compact Digital-Tuning System With Remote
- High-Speed Synchro-Start Dubbing • Backlit LCD Tuning Display
- 3-Band Equalizer • Turntable • 12 FM and Six AM Presets

Realistic Modulaire®510. Tabletop stereo, full-size features. High-speed synchro-dubbing makes copying personal tapes easy, and auto-level ensures best results. Records from radio, turntable, even “live” if you add mikes. Tuner has up/down auto-search. Two-speed, belt-drive turntable has auto-arm return. All this plus 10-LED power meter, 1/4” headphone and 1/4” mike jacks, tape counter, plus terminals for an external FM antenna. Each speaker: 5” driver in 14 x 8 x 5” enclosure. Table unit: 11 1/2 x 16 1/2 x 13 3/4”. UL listed AC. Remote requires 2 “AAA” batteries. (TSP available) 13-1241 Low As $15 Per Month 239.95

Super Value! Dual-Cassette AM/FM Stereo Music System
- Built-In 2-Speed Semi-Automatic Turntable
- Synchro-Start for Easy Tape Dubbing
- Auto-Level for Best Recording Results

Realistic System 120. Great sound, real versatility. Synchro-start activates play and record/play decks simultaneously for convenient one-touch dubbing of personal tapes. Will play two tapes in sequence automatically. Records from radio, turntable or aux input as you listen—or add a pair of mikes to capture “live” stereo. Auto-level sets recording volume for consistent results. Auto-stop protects tapes and cassette deck mechanism. Tuner has FM-AFC to eliminate drift, FM stereo LED, extended AM-band coverage, Slide-action volume. balanced bass and treble. Turntable has belt drive for noise-free operation, hinged cover, cue lever and auto-return arm. 1/4” jacks for headphone, two mikes. External FM antenna terminals. Each speaker: 5” driver in 27 1/4 x 11 x 7 1/4” enclosure. Rack: 27 1/4 x 15 1/2 x 13 1/2”. UL listed AC. (TSP available) 13-1240, Low As $15 Per Month 219.95

INCREASE YOUR BUYING POWER—APPLY FOR YOUR RADIO SHACK VALUEPLUS® CREDIT CARD
STEREO MUSIC SYSTEMS WITH CD PLAYER

Remote, Digital Tuning, High-Speed Dubbing, 3-Band Slide-Action EQ and Tabletop Size

Modulaire®-570. Combines a programmable CD player, digital tuner with 12 FM/six AM presets and dual-cassette in one package. CD has 15-selection memory, repeat-play, auto-search and bidirectional audible search. Cassette copies personal tapes, plays two tapes in sequence, records from FM, AM, CD, aux input or "live" by adding mikes. LCD frequency display. 1/4" stereo headphone jack. 11"-high 2-way vinyl-wrapped speakers. UL listed AC. Remote requires 2 "AAA" batteries. (TSP available) 13-1246 Low As $15 Per Month

369.95

Remote, Digital Tuning, High-Speed Dubbing, 3-Band EQ, Turntable and Compact Design

Modulaire-560. Fits almost anywhere! Use remote to control most functions. Programmable CD player with 16-selection memory, repeat-play, auto-search and bidirectional audible search. Digital tuner with 12 FM/six AM presets. Dual-cassette copies personal tapes in half the time, plays two tapes in sequence. Record from FM, AM, CD, turntable, aux input or "live" with optional mikes. Two-speed turntable, 1/4" stereo headphone jack. Each vinyl-wrapped 15½"-high speaker has 5" driver and 1½" tweeter. UL listed AC. Remote requires 2 "AAA" batteries. (TSP available) 13-1242 Low As $15 Per Month

399.95

Remote, Digital Tuning, High-Speed Dubbing, 5-Band EQ, Turntable and Component Rack

Realistic® System 320. Feature-packed! Enjoy CDs, cassettes, records and radio stations—and control most major functions with the wireless remote. Programmable CD player features 20-selection memory, auto search, bidirectional audible search, repeat-play. Tuner has 20 FM/AM presets, auto-search. Synchro-dubbing dual-cassette copies personal cassettes fast, plays two tapes in sequence and records directly from FM stereo, AM, CD player, turntable, aux input or "live" if you add mikes. Two-speed turntable. Up/down pushbutton volume, slide-action EQ to "customize" sound, balance control. 1/4" stereo headphone jack. Each speaker system has a 6½"-driver and a 1½" tweeter in handsome 33½"-high enclosure with walnut vinyl finish. Easy-rolling casters. UL listed AC. Remote requires 2 "AAA" batteries. (TSP available) 13-1238, Low As $20 Per Month

499.95

Recordings not Included
HIGH-POWER STEREO MUSIC SYSTEMS

120 Watts, CD, Remote, Digital Tuning, High-Speed Dubbing, EQ, 15” Woofers

NEW! Realistic System 1220. Our best system features a surround-sound output to give you “concert-like” realism! Use remote to select from 12 FM and six AM station presets, tune up/down manually and adjust volume/mute from your chair. CD player features 16-selection memory, repeat play, auto-search and bidirectional audible search. Synchro-dubbing dual-cassette copies personal tapes at high speed. Records from FM, AM, CD, turntable, aux input or “live” with optional mikes. Plays two tapes in sequence automatically. Has Dolby™ B NR on playback, auto-reverse. LCD display, 5-band EQ, 5-LED power meter, tape counter, 2-speed turntable. Speakers have 15” woofer, 4” midrange and 3” tweeter in a 36”-high oak-grain enclosure. Matching rack with glass door and easy-rolling casters. UL listed AC. (TSP available)

899.95

Low As $30 Per Month

AMPLIFIER. 120 watts per channel, minimum rms into 8 ohms from 40-20,000 Hz, with no more than 0.9% THD. SPEAKER SIZE: 36 x 16¼ x 15½”; RACK SIZE: 36 x 18¼ x 15¼”; EXTERNAL CONNECTIONS: FM antenna, aux input, ¼” stereo headphone jack, two ¼” mike jacks. Remote requires 2 “AA” batteries. Dolby™ Laboratories Licensing Corp. Recordings not included

100 Watts, Remote, Digital Tuning, EQ
High-Speed Dubbing and 12” Woofers

NEW! Realistic System 1020. Delivers sensational high-power stereo sound with the most-wanted features and the convenience of a wireless remote. Digital-synthesized tuner with 12 FM and six AM station presets, plus auto-search. Synchro-dubbing dual-cassette copies personal tapes in half the time, plays two tapes in sequence automatically. Record direct from FM stereo, AM, turntable, two aux inputs or “live” if you add mikes. Dolby B NR improves sound on playback. Five-band equalizer, LED power meter, tape counter. Two-speed turntable. Speakers have 12” woofer, 4” midrange and 3” tweeter in a 36”-high enclosure. Oak-grained vinyl finish. Rack with glass door, casters. UL listed AC. (TSP available)

649.95

Low As $25 Per Month

AMPLIFIER. 100 watts per channel, minimum rms into 8 ohms from 40-20,000 Hz, with no more than 0.9% THD. SPEAKER SIZE: 36 x 14½ x 11½”; RACK SIZE: 36 x 18¼ x 15¼”; EXTERNAL CONNECTIONS: FM antenna, two aux inputs, ¼” stereo headphone jack, two ¼” mike jacks. Remote requires 2 “AA” batteries.

Shown with optional CD player—recordings not included
REALISTIC MEANS FULL-SIZE SOUND

Our Best Headphones!
The Ultimate in Stereo

- 40mm Titanium-Evaporated Diaphragms Deliver Ultrawide Audio Response
- Gold-Plated Plug for Top Performance

Realistic PRO-70. Engineered for digital audio! Titanium-evaporated technology sets new standards in extraordinarily smooth high-fidelity sound reproduction. Attenuating volume control is built into the cord for convenient listening level adjustments. Soft-cushioned earcups, padded headband. Frequency response is 15-25,000 Hz. With oxygen-free 8-ft. copper cable and 1/4" gold-plated plug. Step up to the PRO-70 for the best in headphone stereo! 33-1010

69.99

Studio-Quality Stereo for Your Listening Pleasure

(1) Realistic PRO-60. "Acoustic resonance" design for solid bass, clear midrange, treble. Variable-density cushions. Digital ready, 15-25,000 Hz. 10-ft. coiled cord, 1/4" plug. 33-999 49.95
(2) Realistic LV-10. Electroacoustical design and 2" dynamic elements for clear, clean sound. Foam earcushions. Digital ready, 20-20,000 Hz. 10-ft. coiled cord, 1/4" plug. 33-1004 39.95
(3) Realistic Nova-66. In-line volume control. Digital ready with mylar drivers. Has foam earcups, adjustable headband. 20-20,000 Hz. 10-ft. cord, 1/4" plug. 33-1025 34.95
(4) Realistic Nova®-55. These lightweight 'phones have low-mass drivers that deliver excellent transient response. Foam-filled earcushions. 20-20,000 Hz. With 10-ft. coiled cord, 1/4" plug. 33-2004 29.95
(5) Realistic Nova-40. Full-range sound from tough, 3 1/2" drivers. Foam-cushioned earcups and adjustable headband for a comfortable fit. 30-18,000 Hz. 10-ft. coiled cord, 1/4" plug. 33-993 24.95
(6) Realistic Nova-10. Super sound at a super-low price! Durable 2" drivers deliver full-range sound. Comfortable padded earcups. 50-15,000 Hz response. 6 1/2-ft. cord, 1/4" plug. 33-1012 18.95

Plug Adapters for Headphones

(1) Adapts 1/8" to 3/32". 274-373 2.99
(2) 3/32" to 1/4". 274-367 1.79
(3) 1/8" Mini Headphone Y-Adapter. 274-313 3.29
(4) Adapts 1/4" to 1/8". 274-366 1.79
(5) Mono-to-Stereo 1/8" Jack. 274-368 1.19

Stereo Headset Y-Adapters

(1) 1/4" Plug to Two 1/8" Jacks. 42-2448 5.39
(2) 1/8" Plug to Two 1/4" Jacks. 42-2463 4.99

NEW! 20-Ft. Cable Has 1/8" Stereo Jack to 1/4" Mini Plug. 42-2464 5.99

1/4"-1/8" Cable Adapter


1/8"-1/4" Cable Adapter

20-Foot 1/4" Cable

Noncoiled Stereo Audio Extension Cable with Stereo 1/4" Plug and Jack. 42-2442 5.79

24-Foot 1/4" Coiled Cable

Coiled, Non-Tangling Stereo Audio Cable with Stereo 1/4" Plug and Jack. 42-2443 8.39

20-Foot 1/8" Cable


1/4"-1/8" Cable Adapter

Prices apply at participating Radio Shack stores and dealers.
The Best in Lightweight Realistic® Headphones

1. Realistic PRO-25. Features titanium-layered diaphragms, oxygen-free coil windings and neodymium magnets. In-line volume control, 15-25,000 Hz. 6-ft. cord, 1/4" plug. 33-1022

2. Realistic Nova-45. Efficient rare-earth magnets for solid bass. Ideal for portable CD players. 3.3 ounces. 20-20,000 Hz. 6 1/2-ft. cord, 1/8" plug. With 1/8" to 1/4" adapter. 33-1021

3. Realistic Nova-53. Take anywhere-fold and carry" design with high-compliance diaphragms for superb sound. 50-20,000 Hz. 5-ft. cord and 1/8" plug. 33-981

4. Realistic Nova-37. Fit comfortably inside ear—perfect for active people. "Fold and carry" design. Weigh only two ounces. 50-20,000 Hz. With 45° cord, 1/8" plug. 33-2003

5. Realistic Nova-36. Convenient "fold and carry" design fits easily in purse or pocket. Weigh only two ounces. Foam earpads. 40-20,000 Hz. With 4-ft. cord, 1/8" plug. 33-2002

6. Realistic Nova-34. Great sound, low price! Adjustable headband. Weigh only 2 oz. 4-ft. cord, 1/8" plug. 33-1000

Extra Earpads. 33-375 99c

Digital-Ready In-Ear Stereo Phones

- High-Performance Gold-Plated Plug 39.95
- Includes Durable, Lightweight Carry Case 15.95
- On-Cord Volume

Comfortable and convenient! Diaphragms are six-microns “thin” for excellent, full-sounding bass response in a minute package. Volume control on cord. 16-22,000 Hz. 40" cord, 1/4" plug. 33-991 29.95

Monaural Earphones

With ear clip and 3 1/4-ft. cord. 3/32" Plug. 33-174 1.79
1/4" Plug. 33-175 1.79

20-Foot Earphone Cord

Extension cord has 1/8" jack and plug. For any 1/8" mono plug on this page. 33-176 2.69

Deluxe Mono Earphones

Fit portable TVs, radios. 1/4" plug. 10-Ft. Cord. 33-177 3.99
25-Ft. Cord. 33-178 5.99

Earpad Replacement Set

Foam covers fit most lightweight headsets. Set includes four replacement pads. 33-374 2.79

Deluxe Pillow Speaker

Slips under pillow for private listening. Volume control and 1/4" plug. 33-207 4.99

NEW! Phones and cord wind up inside carry case, so you can take them wherever you go, in a pocket or purse. Weigh only .42 oz. 120-20,000 Hz. 43" cord. 1/8" plug. 33-980 13.95

Sends infrared monaural signal to headset from radio or TV with headphone jack. 20-ft. range. 30-18,000 Hz. UL listed AC adapter. Headset requires 9V battery. 32-2050 59.95

See Our Complete Selection of Plug Adapters on Pages 102 and 147
Realistic Brings You a World of Music . . . And Fun!

Available Sept. 30, 1991

RapMaster Concertmate-800. Customize and perform your own rap anywhere! Two separate modes let you play melodies or rap rhythm patterns on 32 mini-size keys. Features 25 preset tones, 30 built-in rhythms, three drum pads—even a dual-sound "scratch" table. Add vocals with the included mike and you're a master of rap. Adjustable tempo, volume, tone controls. 3½" speaker. 2½ x 20¼ x 7½". Requires 5 "AA" batteries or AC adapter. (TSP available) 42-4016 . . . . Low As $15 Per Month

99.95

Full-Size, 4-Octave Music Keyboard

(1) Concertmate-670. Take command of 100 instrument sounds and sound effects, 100 rhythm patterns and 49 full-size keys with our finest keyboard. With Concert Chord you can play full chords synchronized to a selected rhythm pattern on a single key. And you can choose 8-note “two-hand” chords, or 4-note chords with enriched sound quality in “Texture” mode. Rhythm fill-in adds “custom” drum fills. Main and accompaniment volume controls, adjustable tempo, demo button. 4½” speaker, 1/8" output jack. 3½ x 34½ x 10¼". Requires 6 "AA" batteries or AC adapter. (TSP available) 42-4012 . . . . Low As $15 Per Month

149.95

100-Sound “Mini” Keyboard

NEW! (2) Concertmate-460. An ensemble of musical entertainment at your fingertips. Features 100 preset sounds, 13 accompaniment patterns including rock, pop and funk styles, 19 auto rhythms and five drum pads for adding percussion effects—an entire orchestra at your command! 32-key, 2½-octave range. Adjustable volume, tempo and tone controls. 3½" speaker. 2½ x 24½ x 7¾". Requires 5 "AA" batteries or AC adapter. (TSP available) 42-4015

59.95

Beginner’s “Micro” Keyboard

NEW! (3) Concertmate-370. Even our lowest priced keyboard is loaded with features to give anyone great-sounding results. It’s ideal for aspiring musicians of all ages. 32 micro keys provide a full 2½-octave range—wide enough for your favorite tunes. You can play full-sounding two-note chords with 25 preset sounds and lay down a beat with 19 auto rhythms and 13 popular-style accompaniments. Four drum pads let you add percussion effects to your arrangements. 2½” speaker. 1½ x 14½ x 4½”. Requires 4 "AA" batteries or AC adapter. (TSP available) 42-4014

39.95

The Fun Way to Learn Keyboards

NEW! Everything you need—three helpful instruction manuals and current-hits songbook. 9.95

You Can Be Rappin’ Like a Pro—Wherever You Go!


51-1104

99.95

USE OUR OWN ENERCELL® ALKALINE BATTERIES FOR BEST RESULTS
Wireless! Enjoy Stereo Sound Wherever You Have an AC Outlet

- No Need to Run Speaker Wiring Throughout Your Home
- Ideal for Surround Sound Speaker Setups

Delivers top-quality stereo sound to any room in your home through existing AC wiring. It’s easy to move these speakers room to room and they’re great for surround sound, too. Hookup is simple—just connect transmitter to headphone or audio-out jacks of your stereo system and plug into AC outlet, then plug the powered speaker into any AC outlet and connect its companion speaker. You are now ready to enjoy full stereo sound in the kitchen, garage or anywhere you want to listen to your favorite music. Full-range 4½" drivers. Excellent performance—80 dB signal-to-noise ratio. Power output: 10 watts per channel. Speaker size: 9 x 5½ x 6½". UL listed AC. (TSP available) 40-1360...Low As $15 Per Month

199.95

Share Your Music! It’s Easy With Our Amplified Speakers

Portable Stereo Mini-Speaker System

■ Perfect for Portable CD And Cassette Players

Minimus®-0.6. Just plug these rugged little speakers into your portable’s ¼" headphone jack. 2½" drivers, carry case and audio cable. Output: 2 watts per channel. 5½ x 3½ x 3½". Requires 8 “C” batteries. 40-1259 PAIR 49.95

Two-Way Speakers With Carrying Bag

These 7½"-high "satellite" speakers slide into the bag, leaving room for a personal stereo. Each has a 3" woofer and piezo tweeter. Auto-power on/off. Just plug into ¼" stereo headphone jack. Power output: 3 watts per channel. Requires 8 “C” batteries or AC or DC adapter. 40-1303 PAIR 49.95

Interlocking Stereo Speaker System

Realistic® Minimus-0.4. Enjoy amplified sound from any portable CD player or personal stereo. Has 4" drivers, plus separate bass and treble controls. Interlock for easy carrying, separate for improved stereo. Plugs into ¼" headphone jack. With strap. Power output: 1.5 watts per channel. 5 x 4¼ x 2½". Requires 4 “C” batteries or AC or DC adapter. 40-1267 PAIR 29.95

Low-Cost Amplified Speaker System

■ Big Sound, Small Price
■ Perfect for Desktop

Compact speakers for on-the-go stereo. Just plug into the ¼" headphone jack on your portable CD player, personal cassette player or portable receiver. Dual 2½" speakers. Power output: 1 watt per channel. 3½ x 3¾ x 2 ⅛". Requires 4 “AA” batteries. 40-166 PAIR 19.95

THERE’S A RADIO SHACK STORE NEAR YOU—WHEREVER YOU LIVE OR GO IN THE USA
Realistic® SCP-29. Record in stereo with the built-in mikes! Has stereo headphone jack plus a monaural speaker to make it a perfect combination personal stereo/handheld tape recorder—no need to buy two separate units! Features auto-level recording for best results every time, plus separate left/right volume controls, auto-stop and external mike jacks. Three-digit tape counter, record/battery LED. Requires 2 “AA” batteries or AC or DC adapter. 14-1066 $79.95

NEW! Realistic SCR-37 With Auto-Reverse. Voice actuation, auto-reverse and built-in mikes give you superb hands-free stereo recording with no long gaps—you get more on your tape. Logic controlled to prevent tape damage. Has both a monaural speaker and stereo headphone jack, so it’s a perfect all-around performer. Belt clip. External mike jacks. Requires 2 “AA” batteries or AC or DC adapter. 14-1080 $99.95 Low As $15 Per Month

Realistic SCR-26 AM/FM Dolby™ B NR Cassette. Auto-reverse gives you super recording or playback convenience. Features Dolby system and metal-CrO₂ normal tape bias selector on playback for best sound. Has bass boost system, plus separate bass and treble controls. Consistent auto-level recording with included stereo microphone. With in-ear stereo phones and removable belt clip. Requires 2 “AA” batteries or AC or DC adapter. 14-1078 $139.95 Low As $15 Per Month

NEW! Realistic SCR-42 Digital Tuning. It’s loaded! Gives you drift-free digital tuning with 10 memory presets, plus cassette with auto-reverse and Dolby system on playback. Features bass boost circuit, separate bass and treble controls, and LCD tuning/time display with clock. Selectable AM/FM stepping for overseas use. With stereo microphone, in-ear phones and belt clip. Requires 2 “AA” batteries or belt clip. 14-1085 $159.95 Low As $15 Per Month

STEREO-MATE® Personal Cassette Players—Super Stereo Plus Outstanding Value

(1) Realistic SCP-28. Separate left and right volume controls, plus end-of-tape auto-stop to save batteries. Low-battery LED. Requires 2 “AA” batteries or AC or DC adapter. 14-1067 $19.95

(2) Realistic SCP-33. Lightweight, compact player has separate left and right volume controls, fast-forward and rewind, plus auto-stop to protect tapes and save batteries. Removable belt clip. Requires 2 “AA” batteries or AC or DC adapter. 14-1069 $24.95

(3) Realistic SCP-34 With EQ. Has a built-in 3-band equalizer for “customizing” sound to your liking, plus auto-stop and separate left and right volume controls. Requires 2 “AA” batteries or AC or DC adapter. 14-1079 $49.95

(4) NEW! Realistic SCR-41 Auto-Reverse. Features bass boost, separate left and right volume controls and belt clip. Requires 2 “AA” batteries or AC or DC adapter. 14-1083 $59.95

(5) NEW! Realistic SCP-44 Auto Reverse, Dolby NR. An excellent value that’s just loaded with features for super stereo sound! Dolby B NR cuts tape hiss and extends dynamic range. Features bass boost for strong bass even at low volumes, plus metal-CrO₂ normal tape bias selector for best sound from any tape type. Auto-stop protects your tapes and the player’s mechanism, also saves batteries. Requires 2 “AA” batteries or AC or DC adapter. 14-1085 $59.95

RECORDERS USE TYPE I TAPE FOR RECORDING / HEADPHONES NOT INCLUDED / DOLBY™ LABORATORIES LICENSING CORP.
Optimus® SCP-43. Our finest digital. It's rechargeable—you'll never have to worry about batteries! Gives you drift-free digital tuning with 10 memory presets, plus auto-search and an LCD tuning/time/tape-direction display. Auto-reverse cassette features Dolby B and metal-CrO₂ bias selector for best sound. Has bass boost system, includes in-ear stereo phones. 4¾ x 3½ x 1¾". With rechargeable battery and UL Listed AC adapter/charger.

14-1082 ... Low As $15 Per Month

Optimus SCP-40. Rechargeable—and just 1" thin! Selectable auto-reverse plays both tape sides once or continuously. Features Dolby B to greatly improve sound, plus metal-CrO₂/normal bias selector for best result from any type of tape. Bass boost system strengthens low-frequency response. With ultralight in-ear stereo phones and carry pouch. 4¹/₈ x 2¹/₄ x 1". Includes rechargeable battery and UL Listed AC adapter/charger.

14-1077 ... Low As $15 Per Month

Realistic SCP-38. Digital drift-free tuning with 20 memory presets. Auto-search scans up and down AM and FM bands. Cassette features selectable auto-reverse, Dolby B for improved sound and metal-CrO₂/normal bias selector. Stereo/mono switch for best reception of distant FM stations. LCD tuning display. Belt clip included. 4¾ x 3⅛ x 1⅞". Requires 2 "AA" batteries or AC or DC adapter. Was $129.95 in 1991 Catalog. 14-1074 ... Low As $15 Per Month

Realistic SCP-45. All-around performer has all the most-wanted features. You get selectable auto-reverse, Dolby B for greatly improved sound and a metal-CrO₂/normal bias selector for best results from all tape types. Has bass boost system, separate bass and treble controls and a stereo/mono switch for best FM reception. Convenient cassette viewing port lets you see how much tape is left to play. Belt clip. 4¾ x 3⅛ x 1⅞". Requires 2 "AA" batteries or AC or DC adapter. 14-1084

(1) NEW LOW PRICE! Realistic SCP-39. It's packed with performance and value! Selectable auto-reverse plays both sides of tape—great for workouts or yard work. Features metal-CrO₂/normal tape bias selector for best results from all types of tape, and Dolby B NR to greatly improve sound. Stereo/mono switch improves weak-signal FM reception to pull in more stations. Has separate left and right rotary volume controls, plus rotary tuning controls. Removable belt clip. 5¾ x 3½ x 1¼". Requires 2 "AA" batteries or AC or DC adapter. Was $79.95 in 1991 Catalog. 14-1076 ... 69.95

(2) NEW! Realistic SCP-42. Sleek auto-reverse player has bass boost to strengthen low-frequency sounds, plus auto-stop to protect your tapes and player's mechanism. Stereo/mono switch. 5 x 3½ x 1½". Requires 2 "AA" batteries or AC or DC adapter. 14-1081 ... 59.95

(3) NEW! Realistic SCP-46 All-Weather. Enjoy superb stereo indoors or out, in any weather! Rugged construction with neoprene gaskets to seal out the elements—shrugs off sand, dirt or rain with ease. LED stereo indicator, belt clip. 5¾ x 3½ x 1½". Requires 2 "AA" batteries or AC or DC adapter. 14-1086 ... 49.95

(4) Realistic SCP-37. Enjoy your favorite music while traveling, working out or just relaxing. Auto-stop saves batteries and protects tapes. Stereo/mono switch improves FM reception to pull in more stations. Left/right volume controls, belt clip. 5½ x 3¾ x 1¼". Requires 2 "AA" batteries or AC or DC adapter. 14-1073 ... 39.95

(5) Realistic SCP-36. Even our lowest priced player offers excellent sound and value. You get auto-stop and FM stereo/mono switch, plus stereo LED, left/right volume controls and belt clip. 5¼ x 3¾ x 1¼". Requires 2 "AA" batteries or AC or DC adapter 14-1072 ... 33.95

TSP AVAILABLE ON ALL STEREOS ON THESE TWO PAGES / SEE PAGE 35 FOR A COMPLETE SELECTION OF AC AND DC POWER ADAPTERS
---

- Designed and Tested for Quality Assurance
- All With Sensitive Built-In Mike

**NEW!**

1. **Realistic® CTR-23** Auto-Reverse, Voice Actuation, Logic Control. The utmost in recording convenience! Voice actuation and auto-reverse give you continuous hands-free recording on both sides of tape. Features auto-stop, cue/review, $3\frac{3}{8} \times 5\frac{3}{8} \times 1\frac{5}{8}$". Requires 2 "AA" batteries or AC or DC adapter. 14-1101 $79.95

2. **Minisette®-20** Voice Actuation, Cue/Review. Convenient compact size. Cue/ review helps easily find desired segment of tape. Auto-stop, battery LED, tape counter. With earphone. $4\frac{1}{4} \times 3\frac{3}{4} \times 1\frac{5}{8}$". Requires 2 "AA" batteries or AC or DC adapter. 14-1055 $59.95

**NEW!**

3. **Realistic CTR-22** Voice Actuation. Our lowest-priced hands-free recorder. Has auto-level, three-digit tape counter and earphone jack. $3\frac{3}{8} \times 5\frac{3}{8} \times 1\frac{5}{8}$". Requires 2 "AA" batteries or AC or DC adapter. 14-1100 $39.95

4. **Realistic CTR-85** Voice Actuation. Auto-level makes recording a breeze. Cue/review and tape counter help you quickly find your place. Pause. Earphone, remote-mike jacks. $4 \times 7 \times 1\frac{1}{4}$". Requires 4 "AA" batteries or AC or DC adapter. $49.95

5. **Minisette-19** Auto-Level. Our lowest-priced portable! Compact size, auto-stop, earphone jack. Wrist strap. Requires 2 "AA" batteries or AC or DC adapter. $29.95

**NEW!**

6. **Realistic CTR-69** Voice Actuation. Switch auto-level on for consistent volume on speech recordings or off for wider dynamic range on music. Cue/review, tape counter. LED recording meter, auto-stop. Earphone and remote-mike jacks. $2\frac{1}{2} \times 9\frac{1}{4} \times 6\frac{5}{8}$". UL listed AC (or 4 "C" batteries or DC adapter, extra). 14-1154 $69.95

7. **Realistic VSC-2001** Variable Speech Control, Voice Actuation. Lets you vary speed and pitch for faster, yet normal-sounding playback with any standard cassette. Ideal for reviewing lengthy lectures or speeches and allows typists to transcribe dictation at top speed. With voice actuation and auto-level for hands-free recording. Has cue/review, tape counter, built-in mike. $4\frac{1}{2} \times 6\frac{17}{16} \times 1\frac{7}{8}$". Requires 4 "AA" batteries or AC or DC adapter. 14-1058 $79.95

**NEW!**

8. **Realistic CTR-62** With Cue/Review. Auto-level, auto-stop, external mike jack. Earphone. $1\frac{3}{4} \times 5\frac{3}{4} \times 9\frac{3}{4}$". Requires 4 "C" batteries or AC or DC adapter. 14-1150 $29.95

**NEW!**

9. **Realistic CTR-66** AC/Battery. Auto-level and cue/review. Earphone/remote-mike jacks. $1\frac{17}{16} \times 5\frac{3}{8} \times 9\frac{3}{4}$". UL listed AC (or 4 "C" batteries or DC adapter, extra). 14-1151 $39.95

10. **Realistic CTR-73** With Tone Control. Auto-stop saves batteries, protects tapes. Cue/review, tape counter, record/battery LED and auto-level. Mike jack. $1\frac{7}{8} \times 5\frac{3}{8} \times 10\frac{3}{4}$". UL listed AC (or 4 "C" batteries or DC adapter, extra). 14-1053 $49.95

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TANDY SERVICE PLAN AVAILABLE FOR ALL RECORDERS ON THESE TWO PAGES / TM TRADEMARK OF VARIABLE SPEECH CONTROL CO.
Ideal “Notetakers” for School or Office

- Up to Three Hours Recording Time on One MC-90 Tape

NEW!
1. (1) Realistic Micro-14 With Cue/Review. Budget-priced performer! Auto-level for perfect-volume recordings. Built-in mike, 2-speed drive, auto-stop, tape counter, earphone and remote-mike jacks. 4¼ x 2⅝ x 1¼”. Requires 2 “AA” batteries or AC or DC adapter. 14-1175 39.95

2. (2) Realistic Micro-18 With Voice Actuation. Everything above, plus hands-free voice-actuated recording. 14-1042 49.95

3. (3) Realistic Micro-27 With Voice Actuation, Fast-Play Mode. Increases playback speed while keeping voices understandable. Auto-stop, cue/review, record/battery LED. Two-speed capstan drive—1.2cm/sec. or 2.4 cm/sec. With case, earphone. 4¼ x 2⅝ x 1¼”. Requires 2 “AA” batteries or AC or DC adapter. 14-1044 99.95

4. (4) Realistic Micro-36. Our Finest With Voice Actuation. Most compact ever—only 9/32” thin. Quick-record lets you change instantly from play to record. Two-speed drive. Cue/review, tape counter and auto-stop. Remote-mike jack. With earphone, carry case. 4¼ x 2⅝ x 1¼”. Requires 2 “AAA” batteries or AC or DC adapter. 14-1043, Low As $15 Per Month 149.95

Power Adapters for Portable Recorders, Personal Stereo

Stop wasting batteries and start saving money! Convert your portable to two or three-way power with these adapters. They will power your portable tape recorder from 120VAC house current or 12VDC vehicle power. Especially useful for reviewing lengthy recordings at home or out on the road. Buy one for your home and car!

Use dependable, long-life ENERCELL® Batteries for best results—over 100 million sold each year

*Not required, AC power cord included

Quality Minicassette Tape

For rim-drive Mini recorders. 30 minutes of recording time. 44-633

1-9 Each 3.29

10-up Each 2.79

Open-Reel Concertape®

Budget price! Great for voice and general-purpose recording. Heavy-duty 1-mil. Polyester base. 1800 feet, 7” reel. 44-1018 299

Microcassette Cleaner Kit

Restores voice clarity! Also use for answering machines. With cleaning solution. 44-1166 599

Microcassette Head Cleaner

 Loads like a tape. Nonabrasive system effectively cleans microcassette path to extend tape life and restore clarity. 44-1166 299

Capstan-Drive Microcassettes

Type

Recording

Total

Time

Cat.

No.

Each

1-9

10-Up

MC-60

Up to two hours

44-640

3.49

3.00

MC-90

Up to three hours

44-641

6.95

5.98

44-644 6.99

6.99

44-645 3.00

5.99

44-646 6.99

44-647 7.95

5.99

44-1007 6.99

Open-Reel Concertape®

Budget price! Great for voice and general-purpose recording. Heavy-duty 1-mil. Polyester base. 1800 feet, 7” reel. 44-1018 299

Plastic Tape Reels

Replaces worn or damaged reels. Handy index and timing charts. 5” Reel. 44-278 1.69

7” Reel. 44-279 1.89

Supertape Premium

Real

Size

Length

in Feet

Base

Thickness

in Mil s

Cat.

No.

Each

1-9

10-499

5”

900

1.0

44-1872

3.99

3.19

7”

1200

1.5

44-1878

5.59

4.79

1800

2.0

44-1877

6.99

5.99

3600

3.0

44-1880

12.99

10.99

Our Best! Low-Noise, Open-Reel SUPERTAPE® Premium

Microcassette Cleaner Kit

Restores voice clarity! Also use for answering machines. With cleaning solution. 44-1166 599

Microcassette Head Cleaner

 Loads like a tape. Nonabrasive system effectively cleans microcassette path to extend tape life and restore clarity. 44-1166 299

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MC-60

Up to two hours

44-640

3.49

3.00

MC-90

Up to three hours

44-641

6.95

5.98

44-644 6.99

6.99

44-645 3.00

5.99

44-646 6.99

44-647 7.95

5.99

44-1007 6.99

Open-Reel Concertape®

Budget price! Great for voice and general-purpose recording. Heavy-duty 1-mil. Polyester base. 1800 feet, 7” reel. 44-1018 299

Plastic Tape Reels

Replaces worn or damaged reels. Handy index and timing charts. 5” Reel. 44-278 1.69

7” Reel. 44-279 1.89

Supertape Premium

Real

Size

Length

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1.0

44-1872

3.99

3.19

7”

1200

1.5

44-1878

5.59

4.79

1800

2.0

44-1877

6.99

5.99

3600

3.0

44-1880

12.99

10.99
Subwoofer and Dolby™ NR
Realistic SCR-39. Take along powerful portable stereo! Crank up pulsating bass with the dynamic biampedified subwoofer. Record from FM stereo, AM, external sources or add mikes for "live" recordings. Duplicates cassettes with high-speed synchro-start dubbing. Dolby NR cuts hiss and extends dynamic range. Make tone adjustments to suit your taste with 3-band graphic equalizer. Three 4" speakers. Jacks for headphones, mikes, line in. 9¾ x 20¾ x 5¾". UL listed AC. (or 6 "D" batteries, extra). Was $199.95 in 1991 Catalog. (TSP available) 14-757 ............. Low As $15 Per Month 179.95

Auto-Reverse and Stereo-Wide
Realistic SCR-41. Record from FM stereo, AM or "live" with built-in mike. Duplicate cassettes in half the usual time with high-speed synchro-start dubbing. Decks feature continuous play mode and auto-reverse—just load your tapes and enjoy! Switchable Stereo-Wide™ system enhances sound for exciting "concert hall" effect. With auto-level recording and auto-stop to protect cassettes. Dual 3½" 2-way speakers. Stereo headphone jack. 5½ x 20½ x 5". UL listed AC (or 6 "C" batteries or DC adapter, extra). Was $139.95 in 1991 Catalog. (TSP available) 14-760 ............. Low As $15 Per Month 129.95

Synchro Dubbing, 3-Band Equalizer
Realistic SCR-38 Duplicating your personal cassettes is quick and precise with high-speed synchro-start dubbing. Tailor the sound to personal taste or listening environment with the three-band graphic equalizer—gives you much more tonal control than ordinary portable stereo. Double deck has continuous play mode and end-of-tape auto-stop. Dual 3½" full-range speakers. input jacks for headphones and mikes. 8½ x 19¼ x 4⅜". UL listed AC (or 6 "D" batteries, extra). (TSP available) 14-756 ............. Low As $15 Per Month 119.95

High-Speed Dubbing, Stereo-Wide
Realistic SCR-24. Continuous mode auto-plays two tapes in sequence. Switchable Stereo-Wide circuit enhances stereo effect for "concert hall" sound. Records directly off-the-air or "live" with the built-in mike. High-speed synchro-start dubbing, auto-stop. Dual 3½" speakers for excellent sound. Jack for headphones. 5½ x 19½ x 4". UL listed AC (or 6 "C" batteries or DC adapter, extra). (TSP available) 14-762 ............. Low As $15 Per Month 99.95

Our Lowest Priced Dubbing Deck
Realistic SCR-23. A versatile portable with streamlined styling. Records directly from FM stereo, AM or "live" with built-in mike. High-speed dubbing copies personal tapes in half the usual time. With continuous play mode, auto-stop and FM stereo LED. Dual 3½" speakers. Headphone jack. 5½ x 20½ x 5¾". UL listed AC (or 6 "D" batteries, extra). (TSP available) 14-761 79.95
Take-Along Cassette Player/Recorder

Realistic SCR-20. Take the fun with you—enjoy at the park, beach or anywhere you want your music! Records directly off-the-air or "live" with built-in mike. Auto-level for great recordings. End-of-tape auto-stop protects tapes and mechanism, prolongs battery life. Dual 4" full-range speakers. FM stereo LED, slide volume and balance controls. headphone jack, 4 7/8 x 14 5/8 x 3 3/8". UL listed AC (or 6 “C” batteries or DC adapter, extra). Was $79.95 in 1991 Catalog. (TSP available) 14-755

Slim Design With Fold-Away Handle

Realistic SCR-40. Listen with the ultralight in-ear phones or through the speakers. Records directly off-the-air or "live" with the built-in mike. Auto-level assures perfect-volume recordings every time. End-of-tape auto-stop protects tape and mechanism—saves batteries, too. Two-position tone switch lets you adjust sound to suit your taste. FM stereo LED, headphone jack. 5 1/4 x 14 1/2 x 3 1/4". UL listed AC (or 5 "C" batteries or DC adapter, extra). Was $69.95 in 1991 Catalog. (TSP available) 14-759

With Easy-Carry Shoulder Strap

Realistic SCR-34. Adjustable shoulder strap makes it easy to take the music with you! Big stereo sound from a slim-design portable. Mono/stereo switch delivers the best possible FM reception. Clear recordings from FM stereo, AM, or "live" with built-in microphone. Auto-level adjusts volume for terrific sound recordings. Auto-stop protects your cassettes, the mechanism and prolongs battery life. Has jack for stereo headphones. 4 7/8 x 12 1/4 x 2 1/2". UL listed AC (or 6 "AA" batteries or DC adapter, extra). (TSP available) 14-752

Compact AC or Battery Portable

NEW! Realistic CTR-64. Compact size, large stereo sound! Carry along this versatile performer anywhere and enjoy listening to your favorite music—AM, FM stereo or personal cassettes. Record directly off-the-air or "live" with built-in condenser microphone. End-of-tape auto-stop protects tapes, the mechanism and saves batteries. FM stereo LED indicator. Delivers great sound! 4 1/4 x 11 5/16 x 2 3/4". Requires 4 "C" batteries or AC or DC adapter. (TSP available) 14-767

Monaural AM/FM Cassette Portable Player/Recorders

- Auto-Stop Protects Tapes And Saves Batteries
- Operates on Included AC Cord, Batteries or Car DC

NEW! Realistic CTR-83. Portable entertainment value—plays on AC, batteries or car DC with optional adapter. Big 3 1/2" speaker delivers excellent sound. Built-in mike. 7 7/8 x 11 1/2 x 3 1/2". UL listed AC (or 4 "C" batteries or DC adapter, extra). (TSP available) 14-758

NEW! Realistic CTR-84. Delivers great sound you'll enjoy anywhere! Records directly from FM, AM or "live" with the built-in condenser microphone. 7 7/8 x 10 1/2 x 3 1/4". UL listed AC (or 4 "C" batteries or DC adapter, extra). (TSP available) 14-766

PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS
Three-Piece System With
High-Speed Dubbing, Digital
Tuner, Detachable Speakers

- CD Auto-Search and Memory
- Synchro-Start for Easy CD-to-Tape
  And Cassette-to-Cassette Dubbing

NEW!  Realistic® CD-3306. Big features, super sound! The top-loading CD player has auto-search to help you find selections, easy-to-program 16-selection memory, repeat key and LCD display. Dual-cassette copies tapes at normal or high speed, plays two tapes in sequence, and records from CD, FM stereo, AM or "live" with built-in mike. Tuner has LCD display and presets for 10 stations. You also get a 5-band equalizer, 1/8" jacks for adding mike and headphone, aux-in, CD-out. Telescoping antenna. Speakers have 5" woofers, 1" piezo tweeters. 9" x 25" x 9 1/4" overall. UL listed AC (or 8 "D" batteries or DC adapter, extra). (TSP avail.)

HIGH AS $15 Per Month

299.95

High-Speed Dubbing, EQ,
CD With Shuffle Play

- Synchro-Start Simplifies CD-to-Tape
  And Cassette-to-Cassette Dubbing

NEW!  Realistic CD-3305. Superior digital audio on the go! Top-loading CD player has auto-search to help you access selections, shuffle play for listening variety, repeat, LCD display and 16-selection memory. Dual-cassette deck copies personal tapes at normal or high speed. Also records directly from CD, FM stereo, AM or "live" if you add mikes. Built-in 3-band EQ, dual 4" speakers, 1/8" jacks for adding stereo headphone and mike. Telescoping antenna. 7 1/4" x 24 1/4" x 9 1/4". UL listed AC (or 8 "D" batteries or DC adapter, extra). (TSP avail.)

LOW AS $15 Per Month

229.95

Synchro-Start for Easy
CD-to-Cassette Dubbing

- Record Directly From CD, FM Stereo,
  AM or "Live" With the Built-In Mike

NEW!  Realistic CD-3304. Enjoy digital clarity at home or on the go! Dubbing from CD to tape is a snap with synchro-start. You can also record off-the-air while you listen, or make "live" tapes with the built-in microphone. Auto-level assures perfect-volume recordings without adjustments. Auto-stop protects tapes and the player's mechanism. Dual 4" speakers with metal grilles. 1/8" headphone jack. Telescoping antenna. 7 1/4" x 24 1/4" x 9 1/4". UL listed AC (or 8 "D" batteries or DC adapter, extra). (TSP avail.)

LOW AS $15 Per Month

199.95

SEE PAGE 35 FOR DC ADAPTERS AND 94 FOR EXTERNAL MICROPHONES
PERSONAL AM/FM STEREO RECEIVERS

Pocket AM/FM Stereo With VHF-TV Sound

(1) NEW! PortaVision® Radio. Digital tuning locks in radio plus TV sound on channels 2-13. 19 presets. LCD display. 60-minute auto-shutoff helps conserve batteries. Built-in monaural speaker, stereo headphone jack. 4 1/2 x 2 1/2 x 1". Requires 2 "AA" batteries. (TSP available) 12-174 . . . . 69.95

AM/FM Stereo With Digital Tuner, 19 Presets

(2) NEW LOW PRICE! Optimus®. Pocket-size performer! Auto-scans presets. "Lock" switch prevents accidental changing of settings. 60-minute auto-shutoff. Belt clip. 3 1/4 x 2 1/4 x 1 1/8". Requires 2 "AAA" batteries and stereo headphones. Was $69.95 in 1991 Catalog. (TSP available) 12-147, 59.95

AM/FM Stereo With Digital Tuner, 10 Presets

(3) Realistic. Scans up/down FM and AM bands, locks in stations. Stores five FM and five AM stations. Removable belt clip. 4 1/4 x 2 1/2 x 3/4". Requires 2 "AAA" batteries and stereo headphones. (TSP available) 12-170, 49.95

AM/FM Stereo With Built-In Speaker

(1) Add headphones to listen to FM stereo and AM privately or use the 1 1/2" monaural speaker to share your music. Stereo/mono control and FM-AFC for best possible FM. LED FM stereo indicator. 4 1/4 x 2 1/2 x 3/4". Requires 2 "AAA" batteries and stereo headphones. 12-132 . . . . . . 19.95

Our Smallest AM/FM Stereo With Built-In Speaker

NEW! (2) It's ultralight and ultra-thin! Just add headphones for private AM/FM stereo listening or use the built-in monaural speaker. Separate FM antenna. Rotary volume and tuning controls. 3 3/4 x 2 1/4 x 1/2". Requires 2 "AAA" batteries and stereo headphones. 12-179 . . . . . . 24.95

Personal AM/FM Stereo Receiver With Built-In 3-Band Equalizer

NEW! (1) Slimline design with a built-in 3-band equalizer to set the response your way! Features easy-to-use slide-action controls for equalizer, volume and balance. Band selector has FM mono position for best possible reception of all FM stations. FM-AFC circuit cuts drift. LED FM stereo indicator. Rotary tuning control. Removable belt clip. 4 1/4 x 2 1/2 x 3/4". Requires 2 "AAA" batteries and stereo headphones. 12-194 . . . . . . 29.95

It's Thin! Personal AM/FM Stereo Receiver Easily Fits a Shirt Pocket

NEW! (2) Clip to your belt or slip into your pocket to travel with excellent personal stereo sound. Ultraslim design. Has slide-action AM/FM selector switch plus FM stereo/mono control for best reception of all FM stations. FM stereo LED indicator. 4 1/4 x 2 1/2 x 3/4". Requires 2 "AAA" batteries and stereo headphones. 12-189 . . . . . . 24.95

These personal stereos require stereo headphones with 1/8" plug, except where noted.
AM/FM for Poolside And Patio Listening
Just the thing for use indoors or out. Full-range 2 1/4" speaker, rotary tuning and volume controls. Built-in antenna and wall mounting bracket. Requires 4 "AA" batteries. 12-784

Emergency AM/FM Radio/Lantern/Blinker
SPORTS MATE. A radio and a flashlight in one sturdy unit. Big 3 1/4" lens, separate flashlight and blinker switches, FM-AFC, rotary radio controls. 6 1/4" x 5 1/4" x 5 1/2". Requires 4 "D" batteries. 12-205

Rugged All-Weather AM/FM Radio
Water and sand resistant for use almost anywhere. Reliable IC design, rotary tuning and volume controls. Built-in antenna. 3 1/4" x 5 1/4" x 1 1/2". Requires 4 "AA" batteries. Was $19.95 in 1991 Catalog. 12-783

Waterbuddy™ Floating AM/FM Radio
Don't miss your favorite AM/FM stations just because you're in the pool. Rotary tuning and on/off controls, built-in FM-AFC. For indoor or outdoor use. 8" diameter. Requires 4 "AA" batteries. 12-204

Lightweight, Comfortable STEREO-MATE® Headset Radios
NEW! (1) Fold-Up Digital-Tuning AM/FM Stereo. Push-button tuning, six FM and six AM presets to let you find your favorite stations at the push of a button, and tuner lock. Bass-boost control and balance allow you to customize the sound to your liking. Easy-to-read LCD display. Built-in antenna and FM wire antenna for best reception. Adjustable headband and fold-up design. Requires 2 "AAA" batteries. (TSP available) 12-177

NEW! (2) AM/FM Stereo. Weighs just six ounces with batteries installed. FM-AFC circuit, AM loopstick and FM wire-loop antennas for best reception. Balance control allows you to adjust stereo effect. Foam-padded earcushions and adjustable headband make it extra comfortable while working out or relaxing. Low-power-consuming circuitry for extra-long battery life. Requires 2 "AAA" batteries. (TSP available) 12-146

(3) Folding Micro AM/FM Stereo. Ideal for working out or just relaxing. Weighs about two ounces with batteries installed, yet delivers superior stereo sound. Adjustable headband for comfort. Fold-up design saves space. Requires "AAA" battery. (TSP available) 12-128

(4) SPORTS MATE® Headband FM Stereo Receiver. Weatherized for use in wet weather. Comes with head and arm bands, plus in-ear phones. FM-AFC, stereo/mono switch. 3 1/4" x 1 7/8" x 3 1/4". Requires "AAA" battery. Was $24.95 in 1991 Catalog. 12-136

(5) Fold-Up FM Stereo. Headset folds for easy storage in pocket or purse—weighs slightly over two ounces. FM-AFC locks in stations for best reception. Soft earcushions, fully adjustable headband. Handy rotary controls. Requires "AAA" battery. (TSP available) 12-144

(6) Budget AM/FM Stereo. Listen to your favorite radio stations wherever you go! Lightweight headset has slide-action volume control for customizing the full-range stereo sound. Built-in FM-AFC for drift-free reception, rotary tuning control and AM/FM/FM stereo slide-action switch. Requires 2 "AAA" batteries. (TSP available) 12-145

ALWAYS USE DEPENDABLE RADIO SHACK ENERCELL® BATTERIES FOR BEST RESULTS
TUNE IN WEATHER OR MUSIC INSTANTLY

Weatheradio/Timekube®
Receives Institute of Standards & Technology WWV time signals on 5/10/15 MHz, plus weather. Push-button crystal control—no tuning, no drift. 1¼ x 6¼ x 4¼". Requires 9V battery. (TSP available) 12-148 $39.95

Stylish Weatheradio® Cube
THE ORIGINAL!

Pocket Weather Receiver
- The Travelling Weatherman
- Ideal for Campers and Backpackers
This reliable performer is small enough to go where you go—only 1" thin! Crystal-controlled. Built-in telescoping antenna. Wrist strap. Only 4¼ x 2¼ x 1¼". Requires 9V battery. 12-151 $22.95

Pocket Weatheradio Alert
- Great for Travelers
Advance warning of storms almost anywhere. Weather Service station activates built-in alarm. 5¼ x 2¼ x ¾". Requires 3 "AA" batteries. (TSP avail.) 12-143 $29.95

Desk Weatheradio Alert
Alarm from weather station warns you of approaching storms. Battery backup. 1½ x 5¼ x 6¼". UL listed AC. Backup requires 9V battery. 12-140 $39.95

Desktop Weather Receiver
Tap Play-bar for instant weather info. Low-profile design with walnut vinyl finish. Requires 9V battery or AC adapter. 1¼ x 5¼ x 3¾". 12-141 $24.95

'30s Style AM/FM Cassette
Nostalgic 1934 Atwater Kent replica with oak-finish wood cabinet brings back the memories. FM-AFC, lighted dial, dynamic 4" speaker. Fast-forward/eject and auto-stop. 12¼ x 10¾ x 8¼". UL listed AC. (TSP available) 12-697 $69.95

'40s Replica AM/FM Cassette
Enjoy the classic styling of a '40s table radio combined with today's solid-state reliability. Easy-to-see lighted dial, 4" speaker. Fast-forward/eject controls. Molded cabinet. 7¼ x 10¾ x 6". UL listed AC. (TSP available) 12-696 $49.95

Handsome AM/FM Table Radio
Realistic® MTA-15. Acoustically sealed 5" speaker, FM-AFC, tone control. Built-in antennas, terminals for external FM antenna. 6 x 10¾ x 4¼". UL listed AC. (TSP avail.) 12-695 $39.95

Due to a manufacturing problem, availability of 12-140 and 12-141 will be limited.

WEATHERADIO RECEIVERS
KEEP YOU INFORMED!

Introduced in 1968 by Radio Shack, the Weatheradio receiver is your "hotline" to the National Weather Service. It monitors local forecasts, storm warnings and traveler's advisories usually broadcast 24 hours a day on special commercial-free VHF stations in over 350 cities. All our radios (except #12-181) are crystal-controlled for drift-free reception and have up to 50-mile receiving range. These time-tested receivers have offered peace of mind to more than a million satisfied customers!

WEATHERADIO IS A REGISTERED TRADEMARK OF TANDY CORP./RADIO SHACK. RECEIVERS TUNE 162.400, 162.475 AND 162.550 MHz
AM/FM Clock Radio for Travelers
This is the perfect backup for wakeup calls. Wakes you to FM, AM, or "beep" alarm. Pushbutton dial light, rotary tuning control, 1/8" headphone jack, bright LCD time display and built-in folding desk stand. Telescoping FM antenna. Easily fits in a travel bag. 3 x 5 7/8 x 1 1/4". Requires 2 "AA" batteries. 12-1571 19.95.

Mini AM/FM Stereo Radio Goes Anywhere
Dual 3" speakers for big sound you can take with you. Left/right balance control. LED stereo indicator, FM-AFC, 1/8" headphone jack, plus a handy carry strap. 4 x 10 1/2 x 3 1/4". Requires 4 "AA" batteries. (TSP available) 12-722 Adapters. AC. UL listed. 273-1454 7.95 12VDC. 14-844 6.99.

The Best Pocket Radios Are at Radio Shack

VHF TV-Sound AM/FM
NEW! (1) Pocket PortaVision® Radio. Receives TV-audio on channels 2-13, plus standard FM and AM. Has 2 1/4" speaker. Includes earphone. 5 1/8 x 3 3/4 x 1 3/4". Requires 3 "AA" batteries or AC adapter. 12-614 19.95.

Jetstream® AM/VHF-Air
(2) Hear pilots talking to control towers and other planes on 108-135 MHz band. Also tunes AM so you can enjoy news, sports, talk shows, weather updates. 2 1/4" speaker. Earphone for private listening. 4 3/4 x 2 1/4 x 1 3/4". Requires 9V battery. 12-601 19.95.

Slimline AM/FM
(3) Big sound, compact size, convenient rotary tuning and volume controls. Comes complete with earphone and handy wrist strap. Telescoping FM antenna. 5 7/8 x 2 1/4 x 3 1/8". Requires 9V battery. 12-724 15.95.

Our Best Pocket AM/FM
(4) Stylish aluminum trim and super-convenient rotary controls. Built-in FM/AFC locks in FM signals, hi/low tone switch, 2 1/4" speaker. Includes earphone for private listening, telescoping antenna. 5 1/4 x 3 x 1 3/4". Requires 9V battery. 12-719 19.95.

Full-Size AM/FM on a Budget
The best portable for the money! Features hi/lo tone switch for best sound on voice or music broadcasts, big slide-rule dial, FM-AFC to lock in stations, rotary tuning and a 3" speaker. With earphone. Telescoping antenna. 7 1/8 x 8 3/4 x 2 1/2". UL listed AC (or 4 "C" batteries, extra). (TSP available) 12-716 24.95.

High-Performance AM/FM
Our best full-size AM/FM portable has switchable AFC for getting the best reception of weak stations adjacent to strong ones. Slide-rule tuning dial, tone control, folding carrying handle. Includes earphone. 7 1/4 x 10 1/2 x 2 1/4". UL listed AC (or 4 "C" batteries, extra). (TSP available) 12-625 39.95.

AM/FM/TV-Sound Portable
PortaVision-40. Hear your favorite television shows on VHF-TV channels 2-13, plus FM and AM at home, the office or on the go. Full-range 4" speaker for a bold, room-filling sound, plus earphone for private listening. 8 x 10 1/2 x 2 1/2". UL listed AC (or 4 "C" batteries, extra). (TSP available) 12-848 39.95.

PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS
KIDS LOVE 'EM! PLAY-TIME PORTABLES

Tasty AM/FM Flavoradios

Delicious listening with FM and AM doubles your entertainment. Each radio features FM-AFC to cut drift, 2½” speaker, earphone, telescoping antenna and wrist carrying strap. Easy-to-use rotary tuning and volume controls, 4 x 3 x 1½". Each requires 9V battery. Strawberry, 12-720. Blueberry, 12-721

Try a Delicious Flavoradio

Three flavors kids love! Colorful pocket AM radios with built-in speaker, earphone and carry strap. Sturdy molded cases. Each requires 9V battery. 4½ x 2½ x 1½". Blackberry, 12-201. Blueberry, 12-202. Strawberry, 12-203

AM/FM Bicycle Radio

Archer Road Patrot®. Mounts on most handlebars, yet removes easily for portable use. Built-in 3" safety reflector and horn. 2½” speaker. 3½ x 5¼ x 3¾". Requires 3 "C" batteries. 12-200

Sing-Along AM/FM Radio

NEW! Kids will love to tune in their favorite radio stations and sing along with the included hand microphone. Dual speakers for big sound. Easy-to-use with large volume, tone and tuning controls. 6¼ x 13¼ x 2½". Requires 4 "C" batteries. 60-2338

Melody-Mate Stereo

AM/FM Stereo Cassette Player With Headphones

NEW! Kids can enjoy their favorite stations and tapes anywhere. Great for playing audio books and instructional tapes. With belt-clip. 5½ x 4¼ x 2". Requires 2 "AA" batteries. 14-853

"Pettable" Portable Radios

Fluffy AM/FM Kitty ▼ Furry AM/FM Terrier

NEW! Their built-in radios make these furry friends the perfect companions. 10" long. Each requires 9V battery. Cat, 12-998. Terrier, 12-999

Our Durable and Easy-to-Use Players and Recorders Made Just for Kids

(1) Radio Shack CTR-81 Stereo Cassette. Plays through 2½" speakers or included in-ear stereo phones. Built-In monaural mike for "live" recordings. End-of-tape auto-stop. Earphone compartment, carry handle. 4½ x 1½ x 3¼". Requires 4 "C" batteries or AC adapter. (TSP available) 14-840

(2) Radio Shack CTR-80 Recorder/Radio. Kids can enjoy their favorite cassettes or AM stations, even make "live" tapes—anywhere! Features end-of-tape auto-stop to protect cassettes, built-in mike and 3" speaker. Earphone jack. 7¼ x 9 x 2½". Requires 4 "C" batteries or AC adapter. (TSP available) 14-850

(3) Radio Shack CTR-63 Recorder. Plays and records cassettes anywhere. Auto-stop turns recorder off at end of tape—saves batteries when youngsters forget to turn it off. On-top controls are easy to operate. Built-in mike. 8½ x 6½ x 2½". Requires 4 "C" batteries or AC adapter. (TSP available) 14-846

(4) Radio Shack CTP-70 Sing-Along Player. Youngsters can accompany their favorite cassettes with the detachable mike. Oversize play, fast-forward and stop/eject buttons. Separate tape/sing-along volume controls. Auto-stop. 8½ x 7¼ x 2½". Requires 4 "C" batteries or AC adapter. 14-851

THERE'S A RADIO SHACK STORE NEAR YOU—WHEREVER YOU GO IN THE U.S.A.
With Built-In Tone/Pulse Dialing Phone

- Space-Saving Design Reduces Nightstand/Table Clutter

NEW! Chronofone-270. Two nightstand companions in one. Phone has one-touch redial and ringer on/off control, and can be set to automatically mute radio when handset is lifted from the cradle. Clock wakes you to radio or alarm. Features 0.6" LED time display with hi/lo dimmer, snooze bar and 1-hour/59-minute sleep button, plus easy-to-use time/alarm set controls and side-mounted rotary tuning and volume controls. Has 3" speaker plus 1/8" earphone jack for late-night listening. 3¾ x 6¾ x 8½" with phone on cradle. UL listed AC. (TSP available) 12-1572

49.95

Sleek Design, Built-In Night-Light

- Convenient Adjustable Brightness Control

Chronomatic-264. A full-featured clock radio and night-light that emits a soft nonintrusive light. Wakes you to radio or alarm, and its 0.6" LED display with p.m. and alarm indicators is easy to see, even from across a room. Has easy-to-find on-top snooze bar and sleep button, plus time-set switch with a convenient lock to prevent accidental resetting. 3" speaker: 2¼ x 10 x 5¾". UL listed AC. (TSP available) 12-1574

29.95

Easy-to-Read Fluorescent Display

- Time-Lock Switch Prevents Accidental Resetting

Chronomatic-266. Handsome beveled front and wood-look top enhance any nightstand. Wakes you to radio or alarm. Easy-to-read soothing blue fluorescent 0.6" display with hi/lo dimmer. Has alarm and a.m. indicators. On-top snooze bar and 59-minute sleep button. Hour/minute buttons for time/alarm setting. 3" speaker, 1/8" earphone jack. 2¾ x 10¾ x 6½". UL listed AC. (TSP available) 12-1576

29.95

Ultramodern Wedge Shape

- Enhances Today's Hi-Tech Look

Chronomatic-263. Highly visible 0.9" LED display with hi/lo dimmer. Has up-front time/alarm controls, top-mounted snooze bar and 1-hour/59-minute sleep button. 2½" speaker. 4¼ x 8½ x 4". UL listed AC. (TSP available) 12-1573

27.95

Handsome Styling

- 0.6" Display With Hi/Lo Dimmer

Chronomatic-265. Wake to radio or alarm. On-top snooze bar. Sleep and hour/minute buttons. Time-set/time-lock switch. 3" speaker, 1/8" earphone jack. 2¼ x 10¼ x 6½". UL listed AC. (TSP available) 12-1575

24.95

Wake Up to Real Value

- Small Size, Small Price, High Reliability

Chronomatic-261. Compact performer has top-mounted hour/minute buttons, snooze bar and 1-hour/59-minute sleep button. Easy-to-read 0.6" LED display. 2¼" speaker. 1¼ x 7 x 4¼". UL listed AC. (TSP available) 12-1568

19.95

Chronomatic® The Brand That Gives You Top Features, Reliability and Quality for Less

You can depend on Chronomatic. Each model is designed with a full circuit for high sensitivity and precise tuning selectivity—especially important for receiving distant signals. You'll get more stations, more clearly. And, full circuitry ensures that every Chronomatic clock displays accurate time day after day.

BATTERY BACKUP REQUIRES 9V BATTERY, EXTRA / SEE PAGE 74 FOR TONE/PULSE DIALING INFORMATION
AM/FM Stereo With Dual Alarm Settings

- Wake to FM Stereo, AM or "Beep" Alarm

NEW! Chronomatic-272. Perfect for working couples—dual alarms let you set separate his 'n hers wakeup times. Has handsome walnut-grain finish, easy-to-read 0.6" LED time display and FM-stereo LED. Top-mounted fast/slow, forward/reverse buttons make time and alarm-setting easy. Snooze and sleep controls. Twin on-top 3" stereo speakers with separate slide-action volume controls. 1/8" stereo headphone jack. 2 3/4 x 11 x 5 1/2". UL listed AC. (TSP available) 12-1580 49.95

AM/FM With Cassette Player

- Wake Up or Fall Asleep to Your Favorite Tapes

NEW! Chronosette-273. Contemporary upright design plus a 0.6" LED display with hi/lo dimmer that can be seen easily, even across a room. LED alarm and P.M. indicators. Handy top-mounted hour/minute, time/alarm set, sleep and snooze buttons. Has tape-radio, fast-forward, stop and play controls. Manual eject. 2 1/2" speaker, 1/8" earphone jack. 9 1/4 x 5 7/8 x 2 3/4". UL listed AC. (TSP avail.) 12-1581 39.95

AM/FM Stereo With Cassette Recorder

- Built-In Mikes Can Record Ideas "Live" Anytime

Chronosette-256. Records from radio or built-in mikes and has end-of-tape auto-stop. Front-mounted tone and balance controls. Dual alarms with separate alarm "on" indicators. Has a large, easy-to-read 0.6" cool blue fluorescent display, lighted tuning dial, snooze and sleep buttons. Dual 3" speakers for great stereo sound, plus 1/8" stereo headphone jack. 4 1/2 x 13 1/4 x 6 1/4". UL listed AC. (TSP available) 12-1563 79.95

Sleek Look, Fluorescent Display

- Lighted Dial Pointer

Chronomatic-258. Dual alarms and LED alarm "on" indicators. Bright 0.6" fluorescent display with hi/lo dimmer. Snooze and 59-minute sleep button. 3" speaker, 1/8" earphone jack. 2 3/4 x 9 1/8 x 5 3/4". UL listed AC. (TSP available) 12-1566 39.95

Big 0.9" LED Display

- LED Indicators for Alarms

Chronomatic-267. Versatile dual alarms. Up front controls. Fast/slow, forward/reverse time and alarm set buttons. Snooze, sleep buttons. 3 1/2" speaker, 1/8" earphone jack. 3 x 11 x 7". UL listed AC. (TSP available) 12-1577 44.95

Handy Up-Front Controls

- Fluorescent Alarm "On" Indicators

Chronomatic-268. Dual alarms, 0.6" fluorescent display. Fast/slow, forward/reverse, hour/minute buttons. Snooze and sleep controls. 3 1/2" speaker, 1/8" earphone jack. 3 x 11 x 7". UL listed AC. (TSP available) 12-1578 47.95

Battery Backup During AC Power Failure

If AC power fails, backup system keeps clock running up to eight hours, without display, and operates alarm at the preset time.

Exclusive Battery Sentinel® System

Automatically tests the backup battery daily. Battery Sentinel LED lights up to warn you if battery is weak or not in place.

USE OUR ENERCELL® EXTRA-LIFE 9V BATTERY #25-583 (NOT INCLUDED) FOR PROPER BATTERY BACKUP/SENTINEL OPERATION
Our Best! 400-Channel, 2-Speed Hyperscan
- Military/Commercial Air Bands

Realistic® PRO-2006. Enjoy access to over 196,000 frequencies, including 800-MHz police/emergency, CB, FM, TV audio, even military aircraft. Hyperscan™ system doubles scanning speed to 26 channels per second—scan 400 channels in about 15 seconds. Ten 40-ch. memory banks, 10-ch. temporary bank and favorite-channel priority. Auto/manual mode/step selection. Covers 25-520, 760-823, 851-868 and 896-1300 MHz. Jacks: tape out, 1/8” headphone, external speaker, BNC antenna. Memory backup requires 9V battery. UL listed AC (or 12VDC cord, extra*). 399.95

NEW LOW PRICE!

200-Channel, Aircraft Band, Search, Priority
- 800 MHz Police/Emergency Band


NEW LOW PRICE!

Mobile Mounting Bracket.* For 20-127 and 20-145. Special order (CMC). 20-0001 . . . 24.95

Realistic scanners bring you the most exciting listening of all—local events as they happen, not hours later through an edited newscast. You’ll hear police and fire departments at work, ambulances, amateur radio, weather, Amtrak and freight trains, taxis, plus government, military, marine and business services. Scanners covering the 108-136 MHz or 200-300 MHz AM bands also receive commercial and military aircraft. (All other bands are FM.) Programmable scanners offer keyboard entry of frequencies and have memories to store your favorite channels—you’ll never have to buy crystals. Scanners on these two pages also feature a backup system to preserve memory, so you’ll never lose programmed frequencies due to power outages or while moving your scanner to another AC outlet. Many Realistic scanners have special features such as a search function to automatically find new or unpiblicized frequencies and a priority function which automatically shifts to your selected favorite frequency whenever it is active. Our exclusive Zeromatic® tuning system locks precisely on—not “around”—the active frequency for best possible reception. All feature electronic individual-channel lockout to bypass unwanted channels, selectable manual/scan modes, and scan-delay to lock receiver on-channel for two seconds after a transmission so you’re sure to hear the reply. Easy-to-read multifunction LED/LCD displays make programming easy. Ready to use with built-in speaker, rotary volume control, and squelch control to ensure noise-free operation between messages. All have a detachable indoor antenna plus a jack for adding an outdoor or mobile antenna (see page 50). Mobile scanners require 12VDC neg. gnd for in-vehicle use.*

*MOBILE USE OF SCANNERS MAY BE UNLAWFUL IN SOME AREAS OR REQUIRE A PERMIT—CHECK WITH LOCAL AUTHORITIES.
8-Channel, VHF-Hi/UHF, WX Search

**NEW! Realistic PRO-59.** Small size, but big performance. Direct keyboard access to over 20,000 frequencies. Weather search automatically seeks current National Weather Service broadcasts. Covers 137-174 and 406-512 MHz in six bands. Jacks for external antenna and speaker. UL listed AC adapter. 20-401. Low As $15 Per Month

10-Channel, VHF/UHF Hi/Lo, Full Display

**NEW! Realistic PRO-58.** Backlit LCD display shows both the channel and frequency. Gives you direct access to over 22,000 frequencies. Scan or manually select channels. Features scan-delay to prevent missed replies, channel-lockout key and squelch control. Covers 30-54, 138-174 and 380-512 MHz. Jack for external antenna. UL listed AC adapter (or 12VDC cord, extra*). 20-400. Low As $15 Per Month

20-Channel, Air, Weather Search


60-Channel, Search and Monitor Bank

Realistic PRO-2024. Direct access to over 23,000 frequencies. Features 60-channel memory, plus temporary-storage monitor bank for six frequencies found during search. Has 2-speed scan/search, priority and channel-lockout. Covers 30-54, 118-136, 138-174 and 380-512 MHz. Jacks for external antenna and 1/8" headphone/external speaker. UL listed AC. Was $199.95 in 1991 Catalog. 20-129. Low As $15 Per Month

TANDY SERVICE PLAN AVAILABLE ON ALL SCANNERS ON THESE TWO PAGES—SEE PAGE 97 FOR INFORMATION
PORTABLE* PROGRAMMABLE SCANNERS

Our Best Handheld! 200 Channels, HyperScan & 800-MHz Coverage

- HyperScan™ High-Speed Scan and Search With Selectable 26 Channels-Per-Second Or 8 Channels-Per-Second Speeds
- Keyboard Access to Over 31,000 VHF and UHF Frequencies—No Crystals to Buy

NEW! (1) Realistic® PRO-37. Scans up to 200 channels in 10 individually selectable “banks”. Also searches, at 50 channels per second or eight channels per second, to find new or unpublicized channels. A 10-channel monitor bank stores frequencies found during search. Has selectable priority channel, 2-second scan delay to prevent missed replies, channel lockouts. Crystal and ceramic IF filters cut signal interference. Switchable backlight. Memory backup for battery change. Detachable flex antenna, BNC antenna jack, earphone jack. Belt clip. Requires 6 “AA” or rechargeable batteries or AC or DC adapter. (TSP available) 20-138

29995

Low As $15 Per Month

COVERAGE: 30-50 MHz VHF-Lo, 50-54 MHz 6m Ham, 108-136.975 MHz AM Air, 137-144 MHz Gov’t, 144-148 MHz 2m Ham, 148-174 MHz VHF-Hi, 380-450 MHz 70cm Ham/Gov’t, 450-512 MHz UHF-Lo/Hi, 806-823.9375 MHz, 851.1125-868.9375 MHz, and 896.1125-960 MHz.

100 Channels Plus Rechargeable Batteries and AC Adapter/Charger

- Keyboard Access to 20,000 Frequencies
- One-Button Access to Weather Service
- Search Mode • Favorite-Channel Priority

NEW! (2) Realistic PRO-35. Channels are stored in 10 banks. Weather key provides instant reception of local weather service. Priority mode shifts to your favorite channel whenever it’s active. Search mode lets you find new or unpublicized services. Monitor bank makes it easy to store channels found during search. Also has selectable 2-second scan delay, channel lockouts, and switchable backlight. Detachable flexible antenna, BNC antenna jack, earphone jack. Includes belt clip, detachable rechargeable nickel-cadmium battery pack and UL listed AC adapter/charger. 7¾ x 2¼ x 1⅜”. (TSP available) 20-136

22995

Low As $15 Per Month

Extra Rechargeable Battery Pack. Special Order (CMC) 20-003 . . . 49.95

COVERAGE: 29-29.7 MHz 10m FM Ham, 29.7-50 MHz VHF-Lo, 50-54 MHz 6m Ham, 108-136.975 MHz AM Air, 137-144 MHz Gov’t, 144-148 MHz 2m Ham, 148-174 MHz VHF-Hi, 406-450 MHz 70cm Ham/Gov’t, 450-470 MHz UHF-Lo, 470-512 MHz UHF-Hi

“Police Call” Frequency Guides

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<th>Vol.</th>
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<th>Cat. No.</th>
<th>Each</th>
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<td>1</td>
<td>CT, ME, MA, NH, NY, RI, VT</td>
<td>62-1041</td>
<td>9.95</td>
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<tr>
<td>2</td>
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<td>62-1042</td>
<td>9.95</td>
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<td>3</td>
<td>MI, OH</td>
<td>62-1043</td>
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</tr>
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<td>4</td>
<td>IL, IN, KY, WI</td>
<td>62-1044</td>
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<td>CA, OR, WA</td>
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</table>

48

MOBILE USE OF SCANNERS MAY BE UNLAWFUL IN SOME AREAS OR MAY REQUIRE A PERMIT—CHECK WITH LOCAL AUTHORITIES
MONITOR THE ACTION WHEREVER YOU GO!

20 Channels & Search
- Keyboard Access to Over 24,000 Frequencies, Including Air Band
- Search Mode Makes it Easy to Find New and Unpublicized Channels

Realistic PRO-36. Scans up to 20 channels and the frequency-tracking front-end assures top sensitivity on all bands. Channel lockout key lets you temporarily bypass channels. Switchable 2-second scan delay prevents missed replies. Multifunction LCD display with backlight. Keyboard lock button. Memory backup circuit for changing batteries. Includes detachable flex antenna and belt clip. BNC antenna jack, earphone jack. 6½ x 2¾ x 1¾". Requires 6 "AA" or rechargeable batteries or AC or DC adapter. (TSP available)

20-137 .... Low As $15 Per Month
199.95

COVERAGE: 30-50 MHz VHF -Lo, 50-54 MHz 6m Ham, 108-136.975 MHz AM Air, 137-144 MHz Gov't., 144-148 MHz 2m Ham, 148-174 MHz VHF-Hi, 380-450 MHz 70cm Ham/Gov't., 450-470 MHz UHF-Lo, 470-512 MHz UHF-Hi

10 Channels, Full Display
- Direct Keyboard Access to 22,000 VHF/UHF Action Frequencies
- Multifunction LCD Display Indicates Channels, Frequencies and Modes

Realistic PRO-42. Hear local news as it happens! This scanner features a multifunction LCD display with switchable backlight for night viewing. You can scan up to 10 channels or continuously monitor any channel. Lockout button lets you temporarily bypass any channels. Selectable 2-channel scan delay prevents missed replies during scanning. Has keyboard lock control, detachable flex antenna, earphone jack. 7 x 2¼ x 1⅝". Requires 6 "AA" or rechargeable batteries or AC or DC adapter. (TSP available)

20-302 .... Low As $15 Per Month
139.95

COVERAGE: 30-50 MHz VHF -Lo, 50-54 MHz 6m Ham, 137-144 MHz Gov't., 144-148 MHz 2m Ham, 148-174 MHz VHF-Hi, 406-450 MHz 70cm Ham/Gov't., 450-470 MHz UHF-Lo, 470-512 MHz UHF-Hi

10 Channels, Auto-Delay
- Direct Keyboard Access to Over 20,000 VHF/UHF Frequencies
- Automatic 3-Second Scan Delay Prevents Missed Replies

Realistic PRO-41. Easy operation and famous Realistic quality at low cost! Features a multifunction LCD display with a review key to display frequencies. You also get a lockout key to temporarily bypass any channels and audible low-battery indicator. The keyboard lock switch prevents accidental entries as you move about. With belt clip, detachable flex antenna, BNC antenna jack, plus jacks for adding earphone and power adapters. 7⅜ x 2⅜ x 1⅞". Requires 5 "AA" or rechargeable batteries or AC or DC adapter. (TSP available)

20-301 .... Low As $15 Per Month
119.95

COVERAGE: 30-50 MHz VHF -Lo, 50-54 MHz 6m Ham, 137-144 MHz Gov't., 144-148 MHz 2m Ham, 148-174 MHz VHF-Hi, 406-450 MHz 70cm Ham/Gov't., 450-470 MHz UHF-Lo, 470-512 MHz UHF-Hi

MOBILE USE OF SCANNERS MAY BE UNLAWFUL IN SOME AREAS OR MAY REQUIRE A PERMIT—CHECK WITH LOCAL AUTHORITIES
**MOBILE SCANNER, RECEIVER & ANTENNAS**

**16-Channel Mobile* Scanner**
- Monitor Police, Fire, Hams, Weather, Taxis, Railroads and More While You Drive

Realistic PRO-2025. No crystals to buy! You get keyboard access to over 20,000 frequencies. Priority mode locks in your favorite channel whenever it's active. One-touch Weather Search finds local weather station wherever you drive. Lockout key temporarily bypasses one or more channels while scanning. Memory backup. Built-in speaker. Jack for adding external speaker. With mobile bracket, DC cord. 1 3/4 x 5 1/2 x 6 7/8". 12VDC neg. gnd. (TSP available)

20-146 .... Low As $15 Per Month 139.95

Coverage: 29-29.7 MHz 10m FM Ham, 29.7-50 MHz VHF-Lo, 50-54 MHz 6m Ham, 137-144 MHz VHF Gov't., 144-148 MHz 2m Ham, 148-174 MHz VHF-Hi, 406-450 MHz Gov't./70cm Ham, 450-512 MHz UHF-Lo/Hi.

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**Performance-Boosting Antennas and Accessories**

1. Indoor Plug-In All-Band Scanner Antenna. With Motorola-type plug. 20-161
   
   9.95

2. Magnetic-Mount Mobile Scanner Antenna. With 16-ft. cable, Motorola-type plug. 20-012
   
   29.95

3. VHF-Hi/Air/UHF Scanner Base Antenna. Accepts PL-259 plug. 20-176
   
   14.95

   
   59.95

5. All-Band Base Antenna. Accepts PL-259 connector. Cable extra, below. 20-014
   
   29.95

6. Portable Scanner Case. Protects your handheld scanner. With belt loop. 20-004
   
   9.95

7. Center-Loaded Scanner/Ham Whip Antenna. Receives 25-1300 MHz. BNC connector. 20-006
   
   9.99

8. 50-ft. Coax Cable Assembly. RG-58 cable with PL-259 plug on each end. 278-971
   
   13.99

   
   9.95

10. Scanner Antenna Plug Adapter. Accepts Motorola-type plug. Fits BNC jack. 278-117
    
    2.99

    
    1.79

12. RG-58 Nall-In Clips. 20-192
    
    Pkg. of 10/99c

13. Antenna Surge Absorber. Gas discharge tube. Rated 500W PEP, DC to 500 MHz. 20-021
    
    19.95

14. Extension Speaker. 4" speaker, 10-ft. cable with 1/4" plug. Handles 5 watts. With bracket. 21-549
    
    13.95

*Also for transmitting on 144, 220, 440, 1296 MHz Ham bands.

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**Pocket* 2-Channel VHF/UHF Receiver**
- 144-174 MHz
- 450-512 MHz

Ideal Personal Receiver for Police and Fire Personnel

Realistic® PRO-27. Just right if you only need to monitor a couple of "action" channels. Has a squelch control to silence the receiver between calls, A/B channel switch, built-in speaker and jack for adding earphone. Belt clip, removable flexible antenna. 10 3/4 x 2 3/4 x 1 1/2". Requires crystals for each channel 49.95 and 9V battery. 20-108

Crystals. Specify frequency, Ex. 4.95

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*MOBILE USE MAY BE UNLAWFUL IN SOME AREAS OR MAY REQUIRE A PERMIT—CHECK WITH LOCAL AUTHORITIES*
Our Best World-Band Radio!
AM/FM/LW/Shortwave

- Digital Tuning
- Dual-Time LCD Display
- Easy-to-Program 45-Station Memory
- BFO

NEW!
Realistic DX-390. Our finest-ever SW portable! Continuous 150 kHz to 29.999 MHz AM/SSB-CW coverage and local FM stereo. Memory provides one-touch tuning for 18 SW stations, and nine each on AM, FM and LW. Adjustable-pitch BFO lets you hear Hams and other services using SSB voice and CW (code). LCD displays frequency, modes, dual times. Has scan tuning, clock-radio wake and "sleep" auto-shutoff, AM bandwidth and RF-gain controls, 4" monaural speaker. Jacks: stereo headphone, external antenna and DC power. 7 11/16 x 4 5/8 x 2 1/2". Requires 3 "AA" and 4 "C" batteries or AC or DC adapter. (TSP available) 20-214 .... Low As $15 Per Month 239.95

Budget 12-Band Receiver
Realistic DX-350. This ultracompact portable tunes AM, FM, longwave and nine individually selectable international shortwave broadcast bands. Easy to use. This is a great radio for anyone traveling or serving overseas. Features slide-action band selectors, LED tuning indicator, built-in speaker, jacks for adding headphone and external power. 4 1/4 x 6 1/8 x 1 1/4". Requires 4 "AA" batteries or AC or DC adapter. Was $69.95 in 1991 Catalog. 20-209 59.95

Direct Channel Entry and SSB
Realistic DX-440. Precise digital tuning with full 150 kHz-29.999 MHz AM/CW-SSB coverage and FM stereo. Has LCD frequency/time display and 9-station memory. Also works as a portable clock radio with wake and "sleep" auto-shutoff. Has RF-gain, BFO pitch, FM mono/stereo and AM bandwidth controls. Monaural speaker. Jacks: stereo headphone, ext. antenna, power. 6 1/2 x 11 1/2 x 2 1/4". Requires 2 "AA" and 6 "D" batteries or AC or DC adapter. (TSP available) 20-221 .... Low As $15 Per Month 199.95

Digital Tuning 4-Band
Realistic DX-370. All-pushbutton digital tuning with LCD frequency display and 24-hour clock. Tunes 3.2-7.3 and 9.5-21 MHz shortwave, AM, and FM stereo. Memory for 10 SW stations and five each on AM/FM. Also works as a portable clock radio with wake and "sleep" auto-shutoff functions. Monaural speaker. Jacks for adding stereo headphone and external power. 4 7/16 x 6 11/16 x 1 7/8". Requires 4 "AA" batteries or AC or DC adapter. (TSP available) 20-211 .... Low As $15 Per Month 119.95

Shortwave Listening is Easy With a Realistic Voice of the World® Radio
Interesting, Educational, Incredible Variety! Imagine hearing the news—in English or a foreign language—from London, Moscow, Tokyo, Jerusalem and other major cities. Today, you might hear music and a soccer match from South America. Tonight, a religious broadcast from Cairo or Boston. Tomorrow, you could be among the first to learn about major events. Shortwave lets you keep up with news where relatives are traveling or working. It's a welcome link to home for anyone serving overseas. Shortwave is helpful for language students, too. Models DX-440 and DX-390 take you even further with SSB voice and code reception. You'll hear Hams worldwide, ships at sea and more. Listening to shortwave is unlike listening to local broadcasts. Reception conditions vary and you don't always get every station every day—just one more reason why shortwave is an interesting hobby, an exciting challenge, and fun!
In-Dash AM/FM Stereo CD Player With Pull-Out Chassis

NEW! Optimus Live in Concert!™ performance in a design that lets you stop worrying about theft. High-power amplifier delivers 16 watts per channel and has a fader control to balance 4-speaker systems. Line-out jacks let you add an external amplifier for even more power. CD player features 4x oversampling, anti-shock design and operates automatically—just insert a disc to play. You can program up to 16 CD selections to play in any sequence, or use random play to shuffle the selections for variety. Intro-scan plays first 10 seconds of each track. You also get auto-search, audible search, quick-return and repeat functions. Digital-electronic tuner has 12 FM and six AM presets, auto memory storage, seek, memory-scan sampling, FM stereo/mono, local/DX controls. Separate bass, treble and loudness controls, multifunction LCD display. DIN-E (flat-face) size. (TSP available) 12-1967. Low As $15 Per Month

Under-Dash CD Player With Powerful 36-Watt Amplifier

Optimus CD-36. Dynamite CD stereo sound and features in a compact under-dash chassis. This player will operate independently with its powerful 18-watt-per-channel amp—just add speakers. Or, you can connect it to almost any existing car stereo. It switches in your speakers automatically when you play a CD. Line-out jacks let you add a power amplifier, too. You get the superior sound of 4x oversampling and easy operation—just insert a CD to play. Features an effective anti-shock design and Tri-Spot laser tracking. Has handy pause, auto-search, audible search functions and a large LCD track/elapsed time display. Plug into all Radio Shack car audio players. (Others may require a plug adapter.) Only 2 1/4 x 6 7/8 x 7 1/8. (TSP avail.) 12-1941, Low As $15 Per Month

SEE CAR STEREO INSTALLATION INFORMATION ON PAGE 55 / PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS
Auto-Reverse, 30 Watts, Dolby™ B

Optimus® high-power stereo with a 15-watt-per-channel amp, front/rear fader, 1/4" CD jack, line in/out. Digital-electronic tuner has 18 FM/12 AM presets, automatic station storage, memory-scan sampling, LCD tuning/clock display, FM local/DX control. Cassette Dolby B noise reduction, auto-search, metal/chrome selector, locking fast-forward/rewind and key-off release. Night illumination. Was $259.95 in 1991 Catalog. (TSP avail.)
NEW LOW PRICE! $219.95
12-1938 ... Low As $15 Per Month

Auto-Reverse, 30 Watts, 30 Presets

What a value! 15-watt-per-channel amp, fader, line in/out, front-panel 1/4" CD jack. Digital-electronic tuner has 18 FM and 12 AM presets, automatic station storage, memory-scan sampling, seek and 1/4 x 11/16" LCD tuning/clock display, FM local/DX control and FM signal enhancer. Cassette metal-chrome selector, locking fast-forward/rewind and key-off release. Night illumination. (TSP avail.)
$179.95
12-1945 ... Low As $15 Per Month

30 Watts, 30 Presets, Large Display

Sensational 15-watt-per-channel sound with front/rear speaker fader, 1/4" CD jack, line in-out for adding a line-level EQ or power amp. Digital-electronic tuner has 18 FM and 12 AM presets, 13/16 x 111/16" LCD tuning/clock display, automatic memory storage of strong stations, memory-scan sampling, automatic FM stereo/mono switching and local/DX control for best reception. Cassette auto-stop, metal-chrome selector. Night illumination. (TSP available)
$149.95
12-1940 ... Low As $15 Per Month

Auto-Reverse, Fader, Large Display

Auto-reverse plays both tape sides in sequence. Digital-electronic tuner has 12 FM/six AM presets, and stores strong stations automatically. Memory scan provides a brief sample of preset stations. 15/16 x 11/16" LCD tuning/clock display, seek and scan, FM mono/stereo control and automatic FM local/DX switching. Locking fast-forward/rewind. Amplifier has front/rear speaker fader, line in/out. 10 watts total output.
Night illumination. (TSP available)
$149.95
12-1942 ... Low As $15 Per Month

30 Presets, CD Jack, Large Display

Big features at a low price! Has multifunction 15/16 x 11/16" LCD tuning/clock display, presets for 18 FM and 12 AM stations. Digital-electronic tuner stores strong stations automatically. Has memory-scan sampling, seek and scan tuning, automatic FM local/DX and stereo/mono switching, FM signal enhancer circuit. Cassette metal-chrome tape selector, auto-stop. Front/rear fader. Front-panel 1/4" CD jack. 8 watts total output.
Night illumination. (TSP available)
$119.95
12-1948 ... Low As $15 Per Month

*FLAT-FACE (DIN-E) CHASSIS FITS THE SINGLE RECTANGULAR DASH OPENING IN MANY LATE-MODEL VEHICLES / DOLBY™ LABORATORIES LICENSING CORP.
44 Watts! Auto-Reverse, 30 Presets, Dolby™ B NR
- High-Performance Tuner, Our Best!
- Tuning/Clock Display
- CD Jack

NEW! Optimus® Live in Concert™ stereo with 22 watts per channel, loudness control, remote-mount 1/4" CD jack, line in/out. Digital-electronic tuner has 18 FM, 12 AM presets, automatic memory storage, one-touch memory-scan sampling, FM stereo/mono control, auto local/DX and signal-enhancer. Cassette has auto-reverse, Dolby B NR, auto-search, metal tape selector, locking fast-forward/rewind, key-off release. Night illumination. (TSP available) 199.95

Auto-Reverse, 28 Watts, Dolby B NR
- Tuning/Clock Display
- Auto-Search
- Key-Off Auto-Eject

Optimus. 14 watts per channel, remote 1/4" CD jack, line-out jacks. Seek and scan, six FM, six AM Presets, FM signal-enhancer. Locking fast-forward/rewind, metal tape selector. Was $199.95 in 1991 Catalog. (TSP avail.) 12-1936. Low As $15 Per Month

NEW! 14 watts per channel, line-out jacks. 18 FM, 12 AM presets, seek, scan, auto local/DX and stereo/mono for great FM. Locking fast-forward/rewind, key-off release. Amber night illumination. (TSP available) 12-1949. Low As $15 Per Month

Auto-Reverse, 28 Watts, EQ, 30 Presets
- 5-Band Equalizer for “Custom” Sound
- Tuning/Clock Display

NEW! 14 watts per channel, line-out jacks. 18 FM, 12 AM presets, seek and scan, auto local/DX and stereo/mono control. Locking fast-forward/rewind, tape direction indicators. 10 watts total output. (TSP avail.) 12-1943. Low As $15 Per Month

Auto-Reverse, 28 Watts
- 30 Presets
- Big Tuning/Clock Display

NEW! 14 watts per channel, line-out jacks, auto-loudness. Auto memory, memory-scan, auto FM stereo/mono, FM signal enhancer. Locking fast-forward/rewind, key-off release. Night illumination. (TSP available) 12-1946. Low As $15 Per Month

Auto-Reverse, Seek and Scan
- 12 Presets
- Big Tuning/Clock Display

Auto-reverse and digital-electronic tuning at low cost! Has six FM, six AM presets, FM signal-enhancer circuit and FM stereo/mono control. Locking fast-forward/rewind, tape direction indicators. 10 watts total output. (TSP avail.) 12-1943. Low As $15 Per Month

28 Watts, Seek and Scan
- Tuning/Clock Display
- 12 Tuning Presets

14 watts per channel, auto-loudness. The digital-electronic tuner has six FM, six AM presets, FM signal enhancer, auto local/DX, stereo/mono control. Auto-stop, locking fast-forward/rewind, metal tape selector. Night illumination. (TSP avail.) 12-1939. Low As $15 Per Month

PLAYERS ABOVE HAVE A FADER FOR BALANCING FRONT AND REAR SPEAKERS / DOLBY™ LABORATORIES LICENSING CORP.
Compact Under-Dash Stereo Cassettes

(1) With Auto-Stop. Good sound and all the basic cassette features in a chassis that fits under nearly any dash—only 11/16" high, 5 1/2" wide and 5 1/2" deep. Auto-stop protects cassettes and player. Convenient locking fast-forward/eject control. With cable for two speakers, mounting hardware and instructions. (TSP available) 12-1984 34 95

NEW! (2) With Auto-Reverse and Auto-Search. No need to eject and turn over cassettes! Auto-reverse plays both sides of tapes automatically for uninterrupted listening. Auto-search system makes it easy to find selections, advance to the start of the next selection or repeat a selection. You also get convenient locking fast-forward/rewind controls, LED direction indicators. Rotary volume, tone and balance controls. 1 1/4 x 5 1/2 x 5 1/16". With cable for two speakers, mounting hardware, instructions. (TSP available) 12-1986 69 95

In-Dash AM/FM Stereo Cassette Players


(2) Auto-Reverse, Compact Size. Feature packed, fits a wide variety of vehicles. Has program control to change tape direction, LED direction indicators, separate locking fast-forward and rewind controls. FM stereo/mono control for best reception, lighted dial. Eight watts total output. (TSP available) 12-1928 89 95


HANDY INSTALLATION INFORMATION FOR OUR IN-DASH CAR STEREO EQUIPMENT

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Chassis Type</th>
<th>Body Size (H x W x D)</th>
<th>Nosepiece Size (H x W x D)</th>
<th>Control Shaft Spacing (Adjustable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-1927</td>
<td>Mini/Universal</td>
<td>1 3/4 x 7 3/4 x 5 1/16&quot;</td>
<td>1 3/4 x 4 1/2 x 1&quot;</td>
<td>5'/8 to 5'/16&quot;</td>
</tr>
<tr>
<td>12-1928</td>
<td>Mini/Universal</td>
<td>1 3/4 x 7 3/4 x 5 1/4&quot;</td>
<td>1 3/4 x 4 1/2 x 1&quot;</td>
<td>5'/8 to 5'/16&quot;</td>
</tr>
<tr>
<td>12-1936</td>
<td>DIN-C</td>
<td>1 3/4 x 7 1/4 x 5 1/4&quot;</td>
<td>1 3/4 x 4 1/2 x 1&quot;</td>
<td>(no nosepiece)</td>
</tr>
<tr>
<td>12-1939</td>
<td>DIN-C</td>
<td>1 3/4 x 7 1/4 x 5 1/4&quot;</td>
<td>1 3/4 x 4 1/2 x 1&quot;</td>
<td>(no nosepiece)</td>
</tr>
<tr>
<td>12-1940</td>
<td>DIN-E (FF)</td>
<td>1 3/4 x 7 1/4 x 5 1/4&quot;</td>
<td>1 3/4 x 4 1/2 x 1&quot;</td>
<td>(no nosepiece)</td>
</tr>
<tr>
<td>12-1941</td>
<td>DIN-E (FF)</td>
<td>1 3/4 x 7 1/4 x 5 1/4&quot;</td>
<td>1 3/4 x 4 1/2 x 1&quot;</td>
<td>(no nosepiece)</td>
</tr>
<tr>
<td>12-1942</td>
<td>DIN-C</td>
<td>1 3/4 x 7 1/4 x 5 1/4&quot;</td>
<td>1 3/4 x 4 1/2 x 1&quot;</td>
<td>(no nosepiece)</td>
</tr>
<tr>
<td>12-1943</td>
<td>DIN-C</td>
<td>1 3/4 x 7 1/4 x 5 1/4&quot;</td>
<td>1 3/4 x 4 1/2 x 1&quot;</td>
<td>(no nosepiece)</td>
</tr>
<tr>
<td>12-1944</td>
<td>DIN-E</td>
<td>1 3/4 x 7 1/4 x 5 1/4&quot;</td>
<td>1 3/4 x 4 1/2 x 1&quot;</td>
<td>(no nosepiece)</td>
</tr>
<tr>
<td>12-1945</td>
<td>DIN-E</td>
<td>1 3/4 x 7 1/4 x 5 1/4&quot;</td>
<td>1 3/4 x 4 1/2 x 1&quot;</td>
<td>(no nosepiece)</td>
</tr>
<tr>
<td>12-1946</td>
<td>DIN-C</td>
<td>1 3/4 x 7 1/4 x 5 1/4&quot;</td>
<td>1 3/4 x 4 1/2 x 1&quot;</td>
<td>(no nosepiece)</td>
</tr>
<tr>
<td>12-1947</td>
<td>DIN-C</td>
<td>1 3/4 x 7 1/4 x 5 1/4&quot;</td>
<td>1 3/4 x 4 1/2 x 1&quot;</td>
<td>(no nosepiece)</td>
</tr>
<tr>
<td>12-1948</td>
<td>DIN-E (FF)</td>
<td>1 3/4 x 7 1/4 x 5 1/4&quot;</td>
<td>1 3/4 x 4 1/2 x 1&quot;</td>
<td>(no nosepiece)</td>
</tr>
<tr>
<td>12-1949</td>
<td>DIN-E (FF)</td>
<td>1 3/4 x 7 1/4 x 5 1/4&quot;</td>
<td>1 3/4 x 4 1/2 x 1&quot;</td>
<td>(no nosepiece)</td>
</tr>
<tr>
<td>12-1987</td>
<td>DIN-E (FF)</td>
<td>1 3/4 x 7 1/4 x 5 1/4&quot;</td>
<td>1 3/4 x 4 1/2 x 1&quot;</td>
<td>(no nosepiece)</td>
</tr>
</tbody>
</table>

DIN-C size fits in dash of most European and many larger Japanese cars, many domestic mid-size cars. DIN-E is "flat-face" design for many late-model cars having a single rectangular dash opening. MINI/UNIVERSAL, fits smallest Japanese cars, most domestic compacts and subcompacts. Includes rubber gaskets for nosepiece in both Ford and GM styles. Fits standard and import-size cars. GENERAL INFORMATION: All players include ample cable for two speakers, plug-in wiring harness with labeled leads, fuse, switched power leads for accessories (except #12-1927), mounting hardware, illustrated instructions, trim plates and nosepieces (except DIN-E). For 12 VDC negative ground only. CAUTION: High-power players require 4-wire ungrounded speaker wiring. NOTE: 6 1/4" shaft spacing is standard for most domestic trucks.

NOW 7000 RADIO SHACK STORES AND DEALERS IN THE USA ALONE—WE'RE NEAR YOU
In-Dash Car Stereo Cover-Up
The great cover-up! Easy low-cost way to deter theft of in-dash stereo while protecting it from harmful sunlight and moisture. Fits most models. Strong molded cover slips over stereo. Authentic-looking false lock is an extra deterrent. With mounting hardware, cassette insert. 12-1364

Electronic Car Compass
Accurate flux-gate technology—the same principle of compasses used in airliners! Lighted, full-color 360° display. Plugs into car lighter socket or may be directly wired. 2¼ x 3 x 2½". For car use only! 63-641

CD Player-to-Cassette Adapter
No wiring! Instantly connects portable CD player to your car cassette player—just load like a regular tape. Also works with home and portable cassette decks. 12-1951

Compact FM Signal Booster
Ideal for highway travel and use in “fringe” FM reception areas. Boosts FM signals by more than 10 dB to bring in more FM stations more clearly. Easy hookup. 1 x 2¼ x 3¼". For 12VDC neg./pos. gnd. (TSP available) 12-1873

LED Mini Car Clock
Quartz-accurate clock has hi/lo brightness control and the display blanks when ignition is off. Mounts in or under-dash. For 12VDC negative or positive ground. 83-833

80-Watt Stereo Amplifier
40 Watts Per Channel. 20-25,000 Hz. Features auto power-on with LED indicator plus a switching power supply and isolated inputs to cut electrical noise pickup. Speaker-level or line-level input. Overload protected. 1 x 7 x 6½". (TSP available) 12-1957

80 Watts Per Channel. 20-30,000 Hz. Input level control, auto power-on with LED, switching power supply and noise-isolated inputs. Speaker-level or line input. Fully overload protected. 1½ x 8¼ x 7½". (TSP available) 12-1960, Low As $15 Per Month

7-Band Stereo Equalizer With Subwoofer Output
Our best car EQ has separate line-level outputs for a subwoofer amplifier, a front power amp and a rear power amp. Features selectable 60/100 Hz subwoofer crossover frequency, front-panel ¼" jack for connecting a portable CD, and dual 5-LED power meters. Slide-action fader and EQ controls have LED “center” indicators. Band centers: 60, 150, 400, 1000, 2400, 6000, 15,000 Hz. Speaker-level or line-level input. 1 x 7 x 5½/₈". (TSP avail.) 12-1962

Build a Multi-Amp Car Stereo System!
Radio Shack has everything you need. Use our #12-1962 EQ as the control center, our #12-1957 and #12-1960 power amps and awesome #40-1350 dual-coil 12" subwoofer.

Line-Level 7-Band Equalizer
Perfect for multi-amp and component systems. Adds precise tone control to equipment that has line-level input and output. Features slide-action boost/cut controls with 12dB range and bypass button. Band centers: 60, 150, 400, 1000, 2400, 6000, 15,000 Hz. Only 1½ x 5½/₈ x 4½". (TSP available) 12-1867
BOOST YOUR CAR STEREO'S PERFORMANCE

7-Band Stereo Equalizer/Power Boosters

- Fine-Tune the Frequency Response of Your Car Stereo

(1) 70-Watt, 7-Band Equalizer/Booster. Fourteen pushbutton electronic level controls let you boost or cut frequency response up to 12 dB in seven bands. Your adjustment pattern is shown on an 84-LED display. Features a 10-LED power output meter, front-panel 1/8" jack for connecting a portable CD, fader for balancing 4-speaker systems, defeat button, night illumination. Band centers: 60, 150, 400, 1000, 2400, 6000, 15,000 Hz. Speaker-level and line-level inputs. 17/8 x 61/4 x 61/2". (TSP available) 12-1961 Low As $15 Per Month

(2) 120-Watt, 7-Band Equalizer Booster. Our best puts power where you need it—up to 90 watts to rear speakers, 30 watts to the front. Pushbutton controls let you boost/cut response up to 12 dB in precise 2 dB steps. The 84-LED display shows response pattern. Has 10-LED power meter, loudness, fader to balance 4-speaker systems, volume and defeat controls. Band centers: 60, 150, 400, 1000, 2400, 6000, 15,000 Hz. Speaker-level and line-level inputs. 17/8 x 61/4 x 61/2". (TSP available) 12-1962

(3) 60-Watt, 7-Band Equalizer/Booster. Lighted slide-action controls let you boost/cut response up to 12 dB in seven bands to precisely match your vehicle's acoustics. Features selectable 4/8-ohm speaker output, fader control to balance 4-speaker systems, front-panel 1/8" jack for connecting a portable CD player, and dual-range 10-LED power meters. Band centers: 60, 150, 400, 1000, 2400, 6000 and 15,000 Hz. Has speaker-level and line-level inputs—works with virtually all car audio equipment. 17/8 x 7/4 x 61/4". (TSP available) 12-1963

40-Watt Booster and EQ/Boosters

- Increase Power for Dramatically Better Sound

(1) Compact 40-Watt Stereo Power Booster. Plenty of power in a space-saving size. Fits under almost any dash and delivers a big improvement in sound at a money-saving price. Has power on/off button and an LED "on" indicator. Speaker-level input. Complete with illustrated hookup instructions. Only 1 x 43/16 x 43/16". 12-1869

NEW! (2) 5-Band Equalizer/Booster With CD Jack. Small size, big features! Fader to balance 4-speaker systems, bypass control. Band centers: 60, 250, 1000, 3500, 12,000 Hz. Speaker-level input. 1 x 63/8 x 41/4". (TSP available) 12-1963

(3) 7-Band Equalizer/Booster With CD Jack. It's feature packed! Has lighted controls for easy night operation and a front-panel 1/8" jack for connecting a portable CD player. Also has a 10-level, 20-LED power output meter and a fader for balancing 4-speaker systems. Slide-action controls boost or cut frequency response in seven bands centered at 60, 150, 400, 1000, 2400, 6000, 15,000 Hz. Speaker-level and line-level input—works with virtually all car audio equipment. 1 x 63/8 x 53/8". (TSP available) 12-1965

Discover the Difference of High-Power Car Audio! Add a Realistic® Stereo Booster or Equalizer/Booster

It's easy to improve your car stereo system. All models on this page give you plenty of clean audio power and wide dynamic range—really bring music to life. Boosters with a built-in equalizer let you increase or cut frequency response up to 12 dB in separate bands. You can "punch up" the bass, smooth out the midrange, and shape the sound to precisely match your speakers, vehicle interior and tastes.

NOTE: BOOSTERS RATED TOTAL WATTS RMS OUTPUT, BOTH CHANNELS. BOOSTERS REQUIRE 4-WIRE UNGROUNDED SPEAKER WIRING. FOR 12VDC NEG. GND ONLY. ILLUSTRATED INSTRUCTIONS AND UNDER-DASH MOUNTING HARDWARE INCLUDED.
Deluxe 8" 2-Way Speakers for Trucks/Vans

Carpeted, ported enclosures. Each has a moistureproof polypropylene 8" woofer with 1½" voice coil and 13.3-oz. magnet for awesome bass, top-firing piezo tweeter. Handle. 12½ x 18½ x 6¾". 4 ohms. (TSP available) 12-1712. . . . . Low As $15 Per Month

High-Capacity Super 6 x 9" 3-Way Flush-Mount

Massive 16-oz. magnet and moistureproof 6 x 9" polypropylene woofer deliver deep bass. Bridge-mounted 2½" midrange and 1½" piezo tweeter. Open-mesh grilles. No retainer rings required. (TSP available) 12-1859. . . . . . . . . . . Low As $15 Per Month

6 x 9" 2-Way Flush-Mount


5½" 3-Way Plate-Mount

80 Watts Capacity Per Pair. Digital Ready. Plate design fits 4½" round hole to 6 x 9" cutout. 5½" woofer, 6.25-oz. magnet, 2½" midrange, 1½" tweeter. 2½ x 9¼ x 6¾". (TSP available) 12-1711

Deluxe 4-Way Surface-Mount

100 Watts Capacity Per Pair. Digital Ready. 4" woofer with 8-ounce barium magnet, 2" midrange, dual 1" tweeters. Punched-metal grilles. 5½ x 11½ x 6¼". (TSP available) 12-1713

5½" 3-Way Flush-Mount

NEW! 60 Watts Capacity Per Pair. Digital Ready. 5½" woofer, 17.72-oz. magnet, 2" midrange, 1" tweeter. 4 ohms. (TSP available) 12-1717

4½" 3-Way Surface-Mount

80 Watts Capacity Per Pair. Digital Ready. 4½" woofer with 8-oz. barium magnet, 2½" midrange and 1" tweeter. 4 ohms. (TSP available) 12-1716

Mini 2-Way Surface-Mount

30 Watts Capacity Per Pair. Perfect for rear deck. 3" woofer with 3.6-oz. magnet and a 2" tweeter. 3½ x 5½ x 6¾". (TSP available) 12-1707

Full-Range 4" Flush-Mount

Only 1½" deep. Fit where space is tight. Moistureproof polypropylene dual-cone drivers with 4.8-oz. magnet. Open-mesh grilles. (TSP available) 12-1704

Compact 5½" Flush-Mount

Only 1¼" deep. Fit shallow doors, kick-panels. 2.9-oz. magnet. Molded housing, moisture shields, metal grilles. No retainer rings needed. (TSP available) 12-1703

Economy 5½" Flush-Mount

Designed especially for limited space. Less than 2" depth is needed for mounting. 2.9-oz. magnet, handsome molded grilles. (TSP available) 12-1714

Speakers on this page are 8 ohms (unless noted), and include mounting hardware.
SPEAKERS, ENCLOSURES AND ACCESSORIES

Digital Ready
40 Watts Capacity

![Digital Ready](image)

Shown With Mounting Bracket

Die-Cast, 2-Way Minimus®-7
Extra-rugged performer with 4" woofer and 1" dome tweeter. 7 1/4 x 4 1/16 x 4 1/4". Black, 40-2030. White, 40-2045. Brackets, 40-2031

**Each**

8" High-Power Subwoofer With Dual Voice Coils
- 100 Watts Total Capacity

A quality bass speaker with an 18-oz. magnet. 40-1348

**Each**

12" Subwoofer With Dual Voice Coils
- 120 Watts Total Capacity

For thunderous bass! Has a 19-oz. magnet. 40-1350

**Each**

Dynamic and Piezo Tweeters
Dynamic Horn. Improve your treble. Heavy-duty diaphragm. 50 watts capacity. 40-1278

3 3/4" Flared-Horn Piezo. 4-25 kHz. SPL: 92 dB (1W/1M). 40-1397

**EACH**

8" High-Power Subwoofer With Dual Voice Coils
- 100 Watts Total Capacity

A quality bass speaker with an 18-oz. magnet. 40-1348

**Each**

12" Subwoofer With Dual Voice Coils
- 120 Watts Total Capacity

For thunderous bass! Has a 19-oz. magnet. 40-1350

**Each**

Die-Cast, 2-Way Minimus®-7
Extra-rugged performer with 4" woofer and 1" dome tweeter. 7 1/4 x 4 1/16 x 4 1/4". Black, 40-2030. White, 40-2045. Brackets, 40-2031

**Each**

8" High-Power Subwoofer With Dual Voice Coils
- 100 Watts Total Capacity

A quality bass speaker with an 18-oz. magnet. 40-1348

**Each**

12" Subwoofer With Dual Voice Coils
- 120 Watts Total Capacity

For thunderous bass! Has a 19-oz. magnet. 40-1350

**Each**

**Deluxe Speaker Enclosures**

For Most 6 x 9" Speakers

NEW! Sturdy wood enclosures covered in gray carpeting. Spring-clip speaker terminals for easy hookup. 8 1/8 x 12 3/4 x 7 1/2". 40-1305

**Pair**

**Car Audio 2-Way Speaker Crossover**

100 Watts Capacity

Directs low frequencies to woofer and highs to tweeter. Sealed polyurethane enclosure. Crossover: 3000 Hz. 12 dB per octave. 3 7/16 x 5 1/16 x 1 15/16". 40-1397

**Pair**

**3 1/2" Speakers**

Cat. No. Magnet Wt. Watts Each
40-1325 5.0 oz. 20 8.95
40-1333 2.8 oz. 4 4.95

**4" Speakers**

Cat. No. Magnet Wt. Watts Each
40-1909 6.8 oz. 20 10.95
40-1284 9.8 oz. 20 10.95

**5" Speakers**

Cat. No. Magnet Wt. Watts Each
40-1264 9.0 oz. 20 10.95
40-1269 3.0 oz. 6 11.95

**5 1/4" Speakers**

Cat. No. Magnet Wt. Watts Each
40-1234 10.0 oz. 40 13.95
40-1241 3.3 oz. 8 6.95

**4 x 6" Speaker**

Popular size with a 5.3-ounce ceramic magnet. 40-1298

**Each**

**5 x 7" Speaker**

Fits Chrysler, Toyota rear deck. Selectable 4/8/16 ohms. 40-1261

**Each**

**4 x 10" Speakers**

Cat. No. Magnet Wt. Watts Each
40-1297 10.0 oz. 30 15.95
40-1243 5.3 oz. 10 13.95

**6 x 9" Speakers**

Cat. No. Magnet Wt. Watts Each
40-1265 10.0 oz. 30 16.95
40-1269 3.0 oz. 6 11.95

**Molded Grilles**

(1) NEW! 4"/5". For door-mount speaker. Each 3.99
(2) NEW! 6 x 9". For rear-deck speaker. Each 5.99

**Selector Switch**

Mounts Anywhere

Lets you switch speakers between separate car stereo tape player and radio. With complete instructions. 270-045

**Fader Control**

Balance Your Speakers

Controls front-to-rear speaker balance to suit taste. Easy to install under dash. 50 watts total output. 270-048

**FADER AND SELECTOR HAVE COLOR-CODED LEADS, ARE 8 OHMS IMPEDANCE AND INCLUDE INSTRUCTIONS**
Car Stereo Antenna Headquarters
For Better Reception and Price

2. Universal "8-Ball". Top cowl or fender mount. Three sections extend from 21½" to 55". Adjusts up to 35°. Stainless steel whip. 54" cable. 12-1306 .......................... 5.99
3. Stainless Steel Spring. Swivel ball mount for top cowl or fender. Three sections extend from 25½" to 55". Adjusts 50°. 48" cable. 12-1307 .......................... 8.79
4. Pillar Mount. Fits most Japanese cars except Honda. Three sections extend from 19½" to 51". 51" cable. Mtg. hole spacing: 2½" to 18". 12-1320 .......................... 8.49
5. One-Piece Mini. For narrow fenders. 31" stainless steel whip. 54" cable. 12-1322 .......................... 6.99
7. Top Fender/Cowl Mount. 31" tapered stainless steel *lip. 48" cable. 12-1329 .......................... 8.99
9. Rubber Ducky Antenna. Roof, trunk or rear fender mount. 16" long. 50" cable. 12-1327 .......................... 5.99
10. Flexible Universal Mount. Fender or cowl mount. 15" long. 54" cable. 12-1331 .......................... 5.99

Motorola-Type Plugs/Jacks
And Ground Loop Isolator

1. 12-Foot Inline Male-to-Female Extension. Plug on one end, jack on other. Built-in capacitor. 12-1311, 4.19
2. 24" Male-to-Female Inline Extension. Increases reach of cable to allow you to mount antenna anywhere on vehicle. 12-1312 .......................... 1.49
3. Universal 3-Way Antenna Cable Connector. Versatile—couples two antennas to one radio or one antenna to two radios. 12-1313 .......................... 1.99
4. 24" Male-to-Female Extension. 12-1314 .......................... 1.49
5. GM Antenna Adapter. Adapts GM mini connector to standard radio jack. 12-1336 .......................... 1.99
6. Ground Loop Isolator. Cuts noise/hum. Installs inline between CD and EQ or amp input. 270-054, 11.95

Windshield AM/FM Antenna
Transparent antenna tape attaches easily to windshield—no holes to drill, no difficult hardware to install. Saves money when replacing a windshield with built-in antenna. With lead-in cable and fender cap. 12-1325 4.99

AM/FM Power Antenna
Needs Only 13° of Space Below Mounting Surface
Helps prevent vandalism and accidental breakage! Fits most cars and trucks. Connects to ignition or radio and extends or retracts when either is turned on or off. Extends to 39". Stainless steel. With antenna and power cable leads. Adapts to semi-automatic use. Includes support strap and mounting hardware. 12VDC neg. ground. 12-1330 41.95

PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS
Handy Lighter-Plug Cords and Accessory Outlets for Every Car

1. Heavy-Duty Plug. Uses 3AG-style fuse up to 7.5A. 274-335 $2.19
2. Lighter Plug. Fits standard lighter socket. Handles up to 6 amps. 274-331 $1.59
3. Triple Accessory Outlet. 15A. 270-1544 $8.99
4. Ten-Foot Extension Cord. 8A. 270-1536 $5.79
5. Two-Outlet Y-Adapter. Conveniently powers two accessories from a single lighter outlet. Rated 8 amps. 270-1535 $5.79
6. Heavy-Duty Fused Cord. 8-ft. cord. 270-1534 $5.79
7. Accessory Outlet. Mounts easily in or under dash or in camper for powering 12VDC accessories such as car phone or radar detector. With cover. 270-1539 $5.79
8. Universal Fused Coil Cord. Flexible—won't get tangled. Includes four different coax connector plugs to fit your needs. 8-ft. 270-1528 $9.95

Electrical Tester
Plugs into lighter socket to help you easily identify automotive battery and charging system problems before they leave you stranded or become major expenses. Use as part of your regular car maintenance. Bright LEDs show condition of your vehicle's battery and electrical charging system. For use in all 12-volt negative ground vehicles. 22-1635 $5.95

Connectors, Mounts and Fuses

1. Universal 3-Bracket Set. 270-023 $3.49
2. Inline "Blade" Fuse Holder. 20A. 270-1213 $1.69
3. 5-Pin Cable Assembly. 12" leads. 270-041 $2.49
4. Cable-Set. 4-ft. fused DC. 270-025 $2.19
5. 5-Pin Inline Automotive Stereo Connector. 274-1215 $1.59
7. Plastic Blade Fuse 5-Pak. 270-1201 $1.69
8. Glass Fuse 10-Pak. 3 to 30 amps. 270-1262 $1.89

Complete Your Car Audio Installation With These Noise Filters and Panel Switches

1. 10-Ampere Noise Filter. L-C sections cut ignition/alternator noise interference in CBs & radios. 270-051 $13.95
3. 20-Ampere Noise Filter. Heavy-duty protection from engine noise interference. 270-055 $18.95
4. Resistor Filter. Cuts spark plug noise interference. 270-012 $1.89
5. Feedthrough Filter Capacitor. Cuts noise from ignition systems, fan motors and DC generators. Rated 0.5uF, 40 amp, 60VDC. 272-1085 $5.99
7. Lighted Flip Switch/Light Panel. 20 amp. 275-702 $3.19
8. SPST Flip Switch. Rated for 15 amp. 275-701 $1.99
9. DPDT Center-Off Flip Switch. 20 amp. 275-710 $2.39
10. DPDT Momentary Center-Off Flip Switch. 20 amp. 275-709 $2.79

There's a Radio Shack Store or Dealer Near You—Wherever You Are
Compact Tri-Band Detector
- 5-Position LED Signal Strength Meter
- Select Beep/LED and Beep/Mute Signal
- Switchable City/Highway Sensitivity

Our best dual-superhet detects the latest 34.36 GHz Ka-band "snapshot" radar. Separate pulsing tones for X, K, and Ka bands. Sensitivity: X-band, \(-114 \text{ dBm/cm}^2\); K, \(-104 \text{ dBm/cm}^2\); Ka, \(-94 \text{ dBm/cm}^2\). Only \(3\frac{1}{8} \times 3\frac{1}{8} \times 4\frac{3}{4}\)". Case, power cord with lighter socket plug, visor clip. 12VDC neg. gnd. (TSP avail.)

Low-Cost Tri-Band Detector
- Detects X, K and Ka "Snapshot" Radar
- Separate Flashing LED and Audible "Beep" Alerts for Each Radar Band

NEW! Instant alert—main LED flashes during radar reception. City/highway switch for changing driving environments. Signal strength meter. Volume control. Sensitivity: X-band, \(-114 \text{ dBm/cm}^2\); K, \(-104 \text{ dBm/cm}^2\); Ka, \(-103 \text{ dBm/cm}^2\). \(3\frac{1}{8} \times 3\frac{1}{8} \times 4\frac{3}{4}\)". 12VDC neg. gnd. (TSP available)

Value Leader! Dual-Band With GaAs Diode Circuit
- GaAs Diode Boosts Detection Range
- City/Highway Sensitivity Control

NEW! Detects X and K-band radar signals. With LED power and alert indicators. Switchable beep, light, or both alerts. FAST circuit reduces false alerts. Hi/lo/off volume switch. Sensitivity: X-band, \(-114 \text{ dBm/cm}^2\); K-band, \(-104 \text{ dBm/cm}^2\). \(3\frac{1}{8} \times 2\frac{3}{4} \times 4\frac{3}{4}\)". 12VDC neg. gnd. 79"95 (TSP available) 22-1623

Road Patrol XK® Radar Detectors feature False Alert Suppression Technology (FAST). Our unique FAST circuit prevents false alarms caused by signals from other radar detectors without reducing sensitivity to authentic radar signals.

Dual-Band/Dual-Tone Credit Card-Sized Detector
Less than \(\frac{7}{16}\)" thick! Tone/LED X, K alerts. Sensitivity: X-band, \(-114 \text{ dBm/cm}^2\); K-band, \(-104 \text{ dBm/cm}^2\). \(2\frac{7}{16} \times 2\frac{15}{16} \times 3\frac{1}{16}\)". 12VDC neg. gnd. (TSP available)

Surface-Mount, Pocket-Sized Proportional X and K-band tones/LEDs, signal-strength bargraph. Has mute and auto-reset. Sensitivity: X-band, \(-110 \text{ dBm/cm}^2\); K-band, \(-102 \text{ dBm/cm}^2\). \(1\frac{1}{16} \times 2\frac{15}{32} \times 4\frac{1}{8}\)". 12VDC neg. gnd. (TSP available)

Separate X/K Pulsing Tones X/K-band LEDs, tones pulse in proportion to signal strength. City/highway switch. Sensitivity: X-band, \(-114 \text{ dBm/cm}^2\); K-band, \(-102 \text{ dBm/cm}^2\). \(3\frac{3}{16} \times 1\frac{9}{16} \times 4\frac{1}{8}\)". 12VDC neg. gnd. (TSP available)

Wireless Hidden/Remote Detector mounts behind grille or below bumper—pocket-size receiver goes anywhere! Recharges from lighter or AC adapter, extra. Sensitivity: X-band, \(-110 \text{ dBm/cm}^2\); K-band, \(-102 \text{ dBm/cm}^2\). Detector \(3\frac{3}{16} \times 1\frac{9}{16} \times 4\frac{1}{8}\)". Receiver, \(\frac{7}{8} \times 2\frac{3}{4} \times 3\frac{3}{16}\)". 12VDC neg. gnd. (TSP available)

Detector Accessories
(1) Suction Cup Mount. 270-034 6.95
(2) Universal Coiled 12VDC Cord and Plug. Four adapters fit most radar detectors and 12VDC TVs. Replaceable 2-amp fuse. 270-1528 9.95
(3) Lighter Y-Adapter. 270-1535 5.79
(4) Adjustable Bracket. Increases effective range and provides easy mounting and removal of most mini detectors. 270-037 6.95

Low As $15 Per Month
**With Pager & Remote Locator/Panic Button**

**NEW!** Sounds siren and/or signals pager up to 2 miles away. Automatic starter disable. Includes two keychain remotes with arm/disarm and "panic" to activate siren and car horn in an emergency. Car locator helps you find your car in a crowded parking lot—"chirps" siren and/or flashes lights. Selectable security code. Each pager requires 9V battery. 49-875 .... Low As $15 Per Month 199.95

**Alarm With Pocket Pager and Remote**

**NEW!** Automatically disables engine starter when armed—provides maximum 24-hour protection! Keychain remote arms/disarms system, has "panic" button. When triggered, system transmits signal to pocket pager up to two miles away and/or sounds loud electronic siren. With delayed and instant alarms. Selectable security code. Pager requires 9V battery. 49-796, Low As $15 Per Month 159.95

**Keychain Remote and Starter Disable**

**NEW!** Remote transmitter fits in pocket or purse—allows you to arm/disarm system from up to 20 feet away. Starter disable with remote override prevents the engine from being started while the system is armed. With dash-mounting status lights, convenient valet override and mounting hardware. 49-850 89.95

**Infrasonic Alarm With Keychain Remote**

Reliable, state-of-the-art security. Senses sudden, subaudible changes in air pressure, such as a car door or trunk opening. Remote control arms/disarms system. Sounds built-in, high-power siren or add #49-488, below. High/medium/low sensitivity switch. External siren output terminals. Easy 2-wire hook-up. (TSP available) 49-825 59.95

**Keyless Motion-Type Alarm With Remote**

Advanced security at a low price! Senses motion and opening of doors, trunk and hood. Responds with extra-loud siren. Motion detector has on/off and sensitivity controls. Automatic and keychain remote arm/disarm, entry and exit delay, valet override switch, LED status indicators, security code. With mounting hardware. (TSP available) 49-763 69.95

**Infrasonic Alarm With Keychain Remote**

You get all the basic features with this easy-to-install protection system. Detects jacking, tampering and entry attempts. Motion sensor has adjustable sensitivity and on/off switch. Features automatic entry/exit delays and arming, convenient valet override switch, LED status indicator light and extra-loud electronic siren. (TSP available) 49-759 44.95

**Vehicle Alarm Siren, Pin Switches, Labels**

1. **Extra-Loud 2-Sound Siren.** Produces rise/fall piercing "scream" or steady tone. Requires 12VDC at 500 mA. 49-488 .... 19.95
2. **Short Pin Switches.** For doors, hood or trunk—anywhere space is limited. Solderless lug terminals. 49-508 ....... Pkg. of 2/2.99
3. **Long-Throw Pin Switches.** Crimp-style connector. Use for hood, trunk or doors to customize alarm system. 49-509 ....... Pkg. of 2/2.89
4. **Door/Window Switch.** For sliding truck windows. 49-512 .... 5.19
5. **Window Decals.** Low-cost deterrent. 49-507 .... Pkg. of 4/1.19
6. **Electronic Shock/Motion Sensor.** Exclusive circuit! Quick response, extremely low current drain—only 5 mA at 12VDC. 49-630, 12.95

SYSTEMS FOR 12VDC NEG. GND.; INCLUDE WIRING & HARDWARE / SALE OF SIRENS FOR MOBILE USE PROHIBITED IN CA AND CERTAIN OTHER STATES
REALISTIC® – THE BIGGEST NAME IN CB

Our Lowest Priced Mini With ANL

NEW! (1) Realistic TRC-479. Small size, big performer. Easy-to-read LED channel display plus front panel controls and microphone jack. Also features transmit and receive indicators. External speaker jack. 13/8 x 41/2 x 61/2". 21-1519

Mini With Fingertip Channel Up/Down

(2) Realistic TRC-477. Easy-to-use fingertip up/down channel switches and easy-to-read green LED readout display. Built-in automatic noise limiter circuit, squelch and volume control. Transmit and receive LED indicators. Remote speaker jack. 13/8 x 41/2 x 61/2". 21-1517

Compact With LED Power Meter

(3) Realistic TRC-415. Dual ceramic filters for superior selectivity and reduced channel interference. Bright LED channel display, 4-step LED signal/RF power meter. Automatic noise limiting circuit. Has jack for adding a remote speaker. 2 x 41/8 x 61/2". 21-1509

With Controls on Mike & Ch.9 Priority

(4) Realistic TRC-430. Convenient channel switches located on both mike and front panel. Emergency Channel 9 priority switch for quick help. Green LED display. Jacks for adding PA and remote speaker. 13/8 x 41/2 x 71/4". Was $99.95 in 1991 Catalog. 21-1514

3-Ch. Weather Receiver, ANL & NB

NEW! (5) Realistic TRC-482. Hear the latest weather info on 162.4, 162.475 or 162.55 MHz. LED S/RF power meter. Ch. 9 priority. ANL, NB, PA buttons. Jacks for remote and PA speaker. 13/8 x 6 x 71/4". 21-1551 ... Low As $15 Per Month

RF Gain and Tone Controls

(6) Realistic TRC-435. Tone and RF gain controls. Switchable ANL cuts pulse-type noise. Channel 9 priority. PA monitor. Remote speaker jack. 13/8 x 51/2 x 61/4". 12VDC neg./pos. gnd. Was $139.95 in 1991 Catalog. 21-1518, Low As $15 Per Month

REACT MONITORING EMERGENCY USE OF CB CHANNEL 9 IS RESTRICTED TO EMERGENCIES AND TRAVELER ASSISTANCE BY GOVT. REGULATION.

CB CHANNEL 9 NATIONWIDE—A 24-HOUR HELP NETWORK—

Use of CB Channel 9 is restricted to emergencies and traveler assistance by govt. regulation. In the event of emergency, broadcast your CLIP: Call sign—I.D. yourself, Location—Be exact, Injuries—Number, Type, Problem—give details. Air your CLIP repeatedly.

LOW PRICE! LOW PRICE!}

NEW!

LOW AS $15 PER MONTH
COMMUNICATIONS FOR WORK AND PLAY

Base Station/Mobile With Dynamic Mike

NEW! Realistic TRC-492. Dual-powered CB with greater reliability and clarity. NB, ANL circuits. "Electronic Rotary Type" channel selector. Channel 9 and 19 priority. Signal-strength meter. External speaker, headphone jacks. AC/12VDC neg./pos. gnd. 215/16 x 111/8 x 81/4". Low As $15 Per Month 149.95

Our Best! AM/Single-Sideband Mobile

Realistic TRC-465. SSB gives you the regular 40 AM CB channels plus 80 upper and lower sideband channels. Switchable ANL and noise blanker cut pulse-type noise. RF gain control, 5-step LED power meter. Jacks for adding PA and remote speakers. 2 x 61/8 x 81/8". 12VDC neg./pos. gnd. Low As $15 Per Month 199.95

Emergency CB and Weather Radio

(1) Realistic TRC-475. Place antenna on roof, plug CB into lighter, select CB or weather mode. Talk/listen on all 40 channels. Hear weather info on 162.4, 162.475 or 162.55 MHz. Channel 9 priority. Operates on 12VDC neg. gnd. or batteries. Battery pack requires 8 "AA" alkaline batteries. Case measures 11 x 61/2 x 21/2". Low As $15 Per Month 99.95

Road Emergency CB Radio System

(2) Realistic TRC-409. So simple to use, your children can learn to call for help in an emergency. Talk or receive on all 40 channels—without leaving your car. Priority switch gives you one-touch access to Emergency Channel 9. Entire system, including antenna, stores neatly in 101/2 x 45/8 x 21/4" fitted case that fits under car seat. 12VDC neg. gnd. Low As $15 Per Month 69.95

49 MHz Walkie-Talkies—Great for Biking, Hiking, Camping, Job Sites and Warehouses

(1) Realistic TRC-500. Selectable hands-free voice-actuated or manual operation. Perfect for work or play, even keep track of family members at amusement parks. Sensitive dual-conversion superhet receiver, volume and VOX sensitivity controls. Adjustable headset, belt clip. Up to 1/4-mile range. 41/2 x 21/2 x 11/32". Requires 9V battery. Low As $15 Per Month 69.95

(2) Realistic 502. As above, but with 5-channel operation. 51/2 x 21/2 x 11/32". Requires 9V battery. Low As $15 Per Month 49.95

(3) Realistic TRC-501. Slightly over one-inch thin and five ounces light. Pressing the Call-button allows you to transmit an alert-tone signal. Features LED low-battery indicator. push-to-talk and volume controls, sensitive dual conversion receiver, and a detachable belt clip. Transmission range of up to 1/4-mile. 41/2 x 21/2 x 11/32". Requires 9V battery. Low As $15 Per Month 24.95

(4) Realistic TRC-503. As above, but with five channels for multi-unit use. 61/4 x 21/2 x 11/32". Requires 9V battery. Low As $15 Per Month 39.95

TANDY SERVICE PLAN AVAILABLE FOR ALL CBs ON THESE TWO PAGES
PERFORMANCE CB WALKIE-TALKIES

Easy-to-Use 2-Way Portables by Realistic, The USA Citizens Band Sales Leader

- Perfect Personal Communications for Work, Pleasure or Travel
- All Models Have a Sensitive Superhet Receiver

1. TRC-87. Channel 14, 100 mW. Ideal for many short-range communications uses where a single channel is all you need. Low in cost, high in reliability. Handy wrist strap. Includes crystals. 6½ x 3 x 1½". Requires 9V battery. (TSP available) 21-1609

2. TRC-89, Three Channels, 300 mW. Excellent for job sites, travel parties or other groups who need 2-way communications. Separate speaker and mike. With Ch. 14 crystals. Add crystals for two more channels. 8¾ x 3 x 1½". Requires 6 "AA" batteries. (TSP available) 21-1611

3. TRC-218. Three Channels, 2 Watts. Range-Boost antenna system. Squelch control to silence receiver between calls. Battery-test LED. With Channel 14 crystals. 10½ x 3½ x 2½". Requires 8 "AA" or 10 rechargeable batteries. (TSP available) 21-1638

4. TRC-219. Three Channels, 3 Watts. Range-Boost, center-loaded antenna. Squelch, battery and modulation LEDs. Jacks for ext. antenna, battery charger. With Ch. 14 crystals. 10½ x 3½ x 2½". Requires 8 "AA" or 10 rechargeable batteries. (TSP available) 21-1639

cb transmit/receive crystals

<table>
<thead>
<tr>
<th>Channel</th>
<th>Cat. No</th>
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<tr>
<td>5</td>
<td>21-1205</td>
<td>4.98</td>
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<td>9</td>
<td>21-1202</td>
<td>4.98</td>
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<td>19</td>
<td>21-1219</td>
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<td>30</td>
<td>21-1230</td>
<td>4.98</td>
</tr>
<tr>
<td>35</td>
<td>21-1235</td>
<td>4.98</td>
</tr>
</tbody>
</table>

- Forty-Channel Models Are Ready to Operate on All Citizens Band Channels—No Crystals to Buy

NEW! 5. TRC-222. 40 Channels, 5 Watts. Red LED channel display. Center-loaded antenna extends signal reach. Ceramic filter cuts signal interference. ANL, squelch, channel display/battery LEDs. Battery-saving hi/lo power switch. Jacks for adding external antenna, charger, DC power. 7¼ x 2½ x 2¼". Requires 8 "AA" or 10 rechargeable batteries or DC adapter. (TSP available) 21-1646

6. TRC-207. 40 Channels, 5 Watts. Green LED display, hi/lo power switch, ANL, ceramic filter. LED battery indicator, squelch. Detachable, flexible antenna. Jacks for adding external antenna, charger, DC power. 7¾ x 2½ x 1½". Requires 8 "AA" or 10 rechargeable batteries or DC adapter. (TSP available) 21-1645

Accessories for Most CB Walkie-Talkies

1. Flexible "Rubber Ducky" Antenna. Safer and more convenient than conventional telescoping antennas. 21-980, 7.99

2. Protective Carrying Case. Heavy-duty belt loop for convenient hands-free carrying. 20-004

3. Ni-Cd Battery Charger. Just plug into charging jack for convenient recharging. UL listed AC. 21-516

4. 12VDC Cord. 8 feet long. For portables with DC power jack. 270-1533

5. Regulated 12VDC Supply. Provides stable current supply. Use AC outlet to power mobile CBs or walkie-talkies with a DC jack. Rated 2.5 amps. UL listed AC. 22-120

Low As $15 Per Month

NO LICENSE IS REQUIRED FOR OPERATING CB EQUIPMENT—ANYONE CAN USE AND ENJOY CB
A COMPLETE SELECTION OF CB ANTENNAS

Archer° Mobile and CROSSBOW® Base CB Antennas for “Long Range” CB

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Cat. No.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Deluxe Magnet-Mount Antenna. No holes to drill. It mounts on any flat magnet-holding surface. 54” whip. 16-ft. cable and connector.</td>
<td>21-960</td>
<td>37.95</td>
</tr>
<tr>
<td>2</td>
<td>Base-Loaded Magnet-Mount. Stainless whip and spring. 16-ft. cable, connector.</td>
<td>21-940</td>
<td>26.95</td>
</tr>
<tr>
<td>3</td>
<td>CB/AM/FM. Replaces radio antenna. Whip, 8½-ft. cable, splitter, radio and CB connectors.</td>
<td>21-990</td>
<td>29.95</td>
</tr>
<tr>
<td>4</td>
<td>No-Hole Trunk-Mount. Easy, secure mounting. With 16-ft. cable, connector.</td>
<td>21-908</td>
<td>26.95</td>
</tr>
<tr>
<td>5</td>
<td>“Shorty” Roof-Mount. Snap-in mount. With 16-ft. cable and connector.</td>
<td>21-906</td>
<td>23.95</td>
</tr>
<tr>
<td>6</td>
<td>Cellular “Look-Alike” No-Hole Trunk Mount. With 16-ft. cable and connector.</td>
<td>21-991</td>
<td>29.95</td>
</tr>
<tr>
<td>7</td>
<td>Cellular “Look-Alike” Magnet Mount. No hole to drill. 16-ft. cable, connector.</td>
<td>21-992</td>
<td>29.95</td>
</tr>
<tr>
<td>8</td>
<td>48” Marine-Mount Fiber Glass. Horizontal/vertical mount. 16-ft. cable, connector.</td>
<td>21-976</td>
<td>37.95</td>
</tr>
<tr>
<td>9</td>
<td>Single Truckers II. Heavy-duty. Mounts on vertical or horizontal brackets. Center-loaded. 58” overall. 10-ft. cable, connector.</td>
<td>21-941</td>
<td>25.95</td>
</tr>
<tr>
<td>10</td>
<td>Fiber Glass Twin Truckers. Dual 48” whips. Top performer. 18-ft. cable.</td>
<td>21-945</td>
<td>44.95</td>
</tr>
<tr>
<td>11</td>
<td>“Shorty” Roof-Mount. Snap-in mount. With 16-ft. cable and connector.</td>
<td>21-992</td>
<td>29.95</td>
</tr>
<tr>
<td>12</td>
<td>Cellular “Look-Alike” No-Hole Trunk Mount. With 16-ft. cable and connector.</td>
<td>21-991</td>
<td>29.95</td>
</tr>
<tr>
<td>13</td>
<td>Cellular “Look-Alike” Magnet Mount. No hole to drill. 16-ft. cable, connector.</td>
<td>21-992</td>
<td>29.95</td>
</tr>
<tr>
<td>14</td>
<td>48” Marine-Mount Fiber Glass. Horizontal/vertical mount. 16-ft. cable, connector.</td>
<td>21-976</td>
<td>37.95</td>
</tr>
<tr>
<td>15</td>
<td>Single Truckers II. Heavy-duty. Mounts on vertical or horizontal brackets. Center-loaded. 58” overall. 10-ft. cable, connector.</td>
<td>21-941</td>
<td>25.95</td>
</tr>
<tr>
<td>16</td>
<td>Fiber Glass Twin Truckers. Dual 48” whips. Top performer. 18-ft. cable.</td>
<td>21-945</td>
<td>44.95</td>
</tr>
</tbody>
</table>

We Have All the Accessories You Need for the Best 2-Way Radio Installation

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Cat. No.</th>
<th>Each</th>
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<td>Dynamic Mike. DIN plug. 21-1172</td>
<td></td>
<td>17.95</td>
</tr>
<tr>
<td>2</td>
<td>Amplified Noise-Cancelling Mike. Ideal for mobile use or wherever noise pickup is a problem. Coiled cord. DIN-type plug. Requires Radio Shack #23-601 7-volt battery.</td>
<td></td>
<td>21-1175</td>
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<td>3</td>
<td>Portable Hump Mount. 21-540</td>
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<td>17.95</td>
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<td>4</td>
<td>Slimline Spring. Chrome-plated, with removable 3/8&quot;-dia. diameter stud. 21-1118</td>
<td></td>
<td>9.95</td>
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<tr>
<td>5</td>
<td>Chrome Ball Mount. 21-1115</td>
<td></td>
<td>9.95</td>
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<tr>
<td>6</td>
<td>Steel Spring. Chrome-plated, with removable 3/8&quot;-dia. threaded stud. 21-962</td>
<td></td>
<td>8.95</td>
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<tr>
<td>7</td>
<td>Under-Dash Slide Mount. CB slides off bracket for safekeeping. 21-566</td>
<td></td>
<td>17.95</td>
</tr>
<tr>
<td>8</td>
<td>Replacement Stainless Steel Whip. With adapter. Replaces whip antennas 21-904/908/940, some other-brand whips. 21-952</td>
<td></td>
<td>5.95</td>
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<table>
<thead>
<tr>
<th>Length</th>
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<th>Cat. No.</th>
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<tr>
<td>50-ft.</td>
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<td>2-ft.</td>
<td>RG-58</td>
<td>278-988</td>
<td>4.99</td>
</tr>
</tbody>
</table>
REALISTIC MEANS COMMUNICATIONS

2-Meter Synthesized VHF-FM Handheld Transceiver Loaded With Important Features

- Large-Capacity Ni-Cd Battery Pack/Charger
- Multifunction Scanning System
- 12 Independently Programmable Memory Channels Plus One Calling and Three Priority Channels
- Subaudible Tone Encoder and Tone Squelch Built In
- Touch-Tone (DTMF) Memory Dialer and DTMF Squelch Built In
- It's Ready-to-Use—We've Included the Accessories Others Charge You Extra For

NEW! Realistic® HTX-202 2-Meter Transceiver. Join the action on the most popular ham band—2-meters! Solid, reliable performance built to commercial standards set by Radio Shack's in-house hams. Never before has a handheld come with so many features built in. Highly selective receiver fights intermod and front-end overload. True FM transmit for superior clarity on voice and outstanding performance on packet. Memory dialer stores up to five 15-number sequences for selective calling or autopatch. May be operated directly from 12 volts with five watts minimum output. High/low RF power switch. Includes alkaline battery case for 6 "AA" batteries (extra). (TSP available) 19-1120 ...... Low As $15 Per Month 259.95

NEW! Realistic® HTX-100 10-Meter Mobile Transceiver. Versatile, for Novice to Extra class. Digital VFO provides full 10-meter coverage and tunes in selectable 10 kHz, 1 kHz or 100 Hz steps. Memory stores 10 frequencies. Also has noise blanker, RIT, lighted LCD frequency display, selectable 5 or 25-watt output, LED power/signal strength meter and on-mike up/down tuning. Operates USB and CW with semi break-in keying and sidetone. Built-in speaker. Jacks: 1/8" for headphone, key, remote speaker. Standard 8-pin mike jack. With bracket, hardware, DC power cord. 21/8 x 7/32 x 7/32". 12VDC neg. gnd. (TSP available) 19-1101 ...... Low As $15 Per Month 259.95

"No-Code" License Makes It Easier Than Ever To Discover the Exciting World of Ham Radio!

Amateur radio is the ultimate in hobby communications—an activity enjoyed worldwide by several million and a community resource in times of emergency. Now that the FCC has created the no-code Technician-class license, you can get on the air without having to learn Morse code! A world of adventure awaits—contact other hams directly, through repeater stations or by 'packet' computer-to-computer communications. There are even ham satellites! The no-code Technician-class license gives you full operating privileges on all ham bands above 30 MHz. License classes start in hundreds of communities nationwide every week—visit your nearest Radio Shack store for details!

Accessories Included!

Case for Six Alkaline Batteries, Belt Clip, Charger, Rubber Ducky Antenna

Amateur Radio Study Guides

NEW! Now You're Talking. Study guide for Technician and Novice license, plus a complete introduction to Amateur Radio. 62-2414 ..................... 16.95
Novice Class License Preparation. Includes study manual with FCC test questions and answers, plus two code cassettes. Third edition. 62-2410 ..................... 19.95
General Class License Preparation. Manual and two code practice cassettes. 62-2412 ..................... 19.95

*YOU MUST HAVE A CURRENT FCC AMATEUR LICENSE OF APPROPRIATE CLASS TO TRANSMIT WITH THE HTX-100 AND HTX-202
HI-PERFORMANCE MARINE TRANSCIEVERS

Equip Your Boat Right—Get a Realistic® 2-Way Radio

Rugged Rechargeable Portable *

- With Battery Pack and AC Charger
- Receives Nine NOAA Weather Channels

(1) Realistic MTX-120. Provides full-featured 2-way communications on 54 US or international VHF marine channels, plus handheld convenience. You get one-touch pushbutton access to calling/emergency Channel 16, selectable 5 or 1-watt output and a detachable antenna. Includes high-capacity rechargeable battery pack and UL listed AC charger: 8 1/2 x 2 1/2 x 1 1/2". (TSP available) 19-1050 . Low As $15 Per Month 64.95

Deluxe 25-Watt Transceiver *

- Selectable 25 or 1-Watt Power Output
- One-Touch Access to Channel 16

(2) Realistic MTX-101. Ideal for crystal-clear ship-to-ship and ship-to-shore communications from pleasure boats or commercial craft. Gives you instant access to Channel 16 for quick help in an emergency. Operates on 54 US or international channels and receives nine NOAA weather channels. Jack for external speaker. Includes bracket, hardware and detailed instruction manual. 2 3/4 x 8 x 9 3/4". 12VDC neg. gnd. (TSP available) 19-1002 . Low As $15 Per Month 229.95

Ham/CB Accessories to Improve Your Radio Installation

(1) NEW! Handheld Speaker/Microphone. Keep your ham HT on your belt when operating "pedestrian/mobile". Icom/Yaesu compatible. 19-310, 19.95
(2) NEW! 5/8-Wave Magnetic-Mount 2-Meter Ham Radio Antenna. A real powerhouse! Holds securely to any flat magnetic-metal surface. No holes to drill. 19-210 . 37.95
(3) VHF/UHF SWR/Power Meter. For 2-meter and 70 cm Ham radio bands. Low insertion loss lets you leave meter in line. Measures up to 60 watts. SO-239 connectors. 19-320 . 39.95
(4) CB/Ham Radio SWR/Field Strength Meter. Get the most power from your CB or HF Ham radio transceiver. Handles 1kW PEP: 3-30 MHz. 21-525 . 19.95
(5) Dummy Load. Ideal for transmitter tuneup with an SWR/power meter or checking power measurements of coax cable. DC-500 MHz. Handles up to 100 watts. 21-506 . 21.95
(6) Coax Cable Surge Absorber. DC-1.5 GHz. Rated 500 watts PEP to 500 MHz. Connects inline. SO-239 connectors at each end. 20-021 . 19.95

VHF Marine Radio Antenna

(1) 8-Foot. Fiber Glass. Won't rust. Full 6 decibel gain for maximum range and reliability. Complete with 15-ft. cable and PL-259 plug, for use with Archer Marine Antenna Mount, below. 19-101 . 39.95

Antenna Ratchet Mount

(2) Durable nylon and stainless steel construction—won't rust. For deck or side-mounting antenna above. 19-102 . 14.95

*VHF MARINE RADIOS INCLUDE FCC LICENSE FORM AND TEMPORARY PERMIT / NOT FOR LAND USE
**GET ON THE FAX TRACK WITH TANDY**

**Communicate Globally From Home/Office**

- Automatic Document Feeder
- Doubles as a Quick Personal Copier
- Handset with Memory
- 17-Second Average Transmission Speed

TANDYFAX® 1010. Simply connect this personal facsimile machine to a rotary or tone phone line and you’re ready to send and receive letters, contracts, spreadsheets or graphics in just seconds. Its compact size makes it perfect for any desktop. And with its automatic document feeder, on-hook dialing and copying capability, you can ready documents for transmission or duplication quickly and easily. Other features include immediate/delay auto-answer or manual modes, a variable-speed modem, security code for polling, activity and program reports, auto-redial of busy numbers (up to five redials) and built-in phone with 10-number memory. FCC registered. UL listed. (TSP available) 43-1205 Low As $25 Per Month $699

**Low-Cost Faxing with High-End Results**

- Automatic Reception Mode
- Built-In Phone with 20-Number Memory
- Keeps a Log of Documents Sent and Received
- Doubles as a Copier

**NEW!**

TANDYFAX 1020. Don’t let the low cost mislead you—this compact facsimile machine really delivers! Receivers can readily identify your faxes because they’re automatically sent with your phone number and company name. Other features include a built-in phone with 20-number memory, number redial, automatic reception, resolution adjustment so you can send the best possible copies, report printout for your records, polling function to retrieve documents from an unattended fax machine, white space compression for reducing transmission time, 16-level halftone for sending photographs and selectable Touch-Tone or rotary dialing. (TSP available) 43-1207 Low As $20 Per Month 499

**Untie Your Phone Lines With Our Automatic Fax Switch**

- No Need for a Separate Fax Line
- Extension Phones Still Ring Normally

**NEW!**

DUOFONE® AFX-150. Make or take voice calls and send or receive documents by fax—on the same phone line! Differentiates between voice and fax calls. Your fax machine—and answering machine—operate normally. (TSP avail.) 43-1240

Available September 30, 1991 89

**Thermal Paper**

Blue. 43-1262 6.99

NEW LOW PRICE! White Paper. 98" roll. Was $6.29 in ‘91 Cat. 43-1260 5.49

NEW! White Fax Paper. 164" roll. 43-1265 6.79

PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS
Introducing the Ultimate Name in Communications—TANDYFAX 1500

- Transmits Up to 7 Pages to 70 Different Stations
- Stores Received Documents if Paper Runs Out
- Automatically Feeds Up to 10 Sheets for Transmitting
- Automatic Paper Cutter
- Answering Machine Jack
- Contrast Control Ensures Best Possible Transmissions

NEW! TANDYFAX® 1500. For the best in document transmission and reception, turn to the TANDYFAX 1500. This full-featured facsimile machine is a real time-saver for busy offices. Its internal memory stores up to seven pages of text, while its auto-dialer sequentially transmits those pages to up to 70 stations—all automatically, freeing up valuable staff time. The document feeder accepts up to 10 sheets, eliminating the need for manual single-sheet feeding. Connect an answering machine—the 1500 distinguishes between voice calls and faxes so you never miss a message or document. And if the paper runs out while you’re away, it stores received data to print when new paper is loaded. Also features a 17-second average document transmission time; halftone control with 16 shades of grey for crisp, clear documents; auto redial; and white space compression. (TSP available) 43-1215 ............ Low As $25 Per Month $799

Desktop/Portable Copier That's Complete and Ready to Use—Just Add Low-Cost Plain Paper

- Everything You Need to Get Started—No Add-On Costs
- Prints Six Copies Per Minute For Only Pennies Per Copy
- Features Automatic Multiple Sheet Feeding
- Handles Up to 8½ x 11” Paper
- Makes Up to 20 Continuous Copies of an Original

Tandy PPC 750. All you need is an AC outlet for high-quality copies. Its slim design (4 7/16 × 14 7/16 × 15 3/4”), fold-away paper tray and light carrying weight (less than 25 pounds) make it ideal for desktop or travel. Comes with disposable black toner cartridge and drum. (TSP available) 63-686 ............ Low As $20 Per Month $599.85

Replacement Black Toner Cartridge. 63-688 ............... 99.95
Blue Toner Cartridge. Special Order (CMC). 63-689 ........ 129.95
Red Toner Cartridge. Special Order (CMC). 63-690 ......... 129.95
Replacement Drum. Special Order (CMC). 63-687 ........ 199.95

PROTECT YOUR INVESTMENT WITH THE TANDY SERVICE PLAN—SEE PAGE 97
NEW! DUOFONE® ET-495. The ultimate! Advanced CCT system provides corded-phone sound quality, reduces background noise and increases operating range on handset use. Make or take calls using handset or speakerphone/base, and talk between the two using the intercom. If you use intercom during a call, the call is placed on hold. Separate two-way paging "beeps" base or handset from other location. All 10 cordless phone channels are built in—just touch a button to choose best range and reception, even during a call. Has 30-memory speed-dialing, plus convenient 640,000-combination auto-load security code and COM-LOK® security system to prevent unauthorized calling through your phone line. Both handset and base have flash for use with Call Waiting, plus privacy, touch-redial, and ringer hi/lo/off controls. Receiver volume control. Programmable Touch-Tone/pulse dialing allows use on any phone line. For desk or wall-mounting. (TSP available)

NEW! DUOFONE ET-490. Features cordless convenience plus corded-phone sound quality with Super CCT system and 10-channel operation. Gives you the same great features as the ET-495 above, except speakerphone and intercom. Page key on base "beeps" handset. (TSP available)

You've Never Seen a Phone Like Our Cordless Trim-Fone!

DUOFONE ET-385. No cord between wall and the phone! It's perfect for table, patio, bathroom—anywhere you want a phone, but don't have a phone jack. Months of life from three ordinary "C" batteries (extra), so it stays where it is with no need for recharging. Redial, flash for Call Waiting. Security code. Touch-Tone/pulse dialing. Controller has UL listed AC adapter, installs anywhere with modular jack and AC outlet. (TSP available)

Carrying Case

Hooks on a belt loop, so you can keep your phone at your side. Protects and also provides convenient hands-free carrying for most cordless handsets. Soft black vinyl.

Flexible Antenna

Installs in just seconds! Replaces inconvenient, bent or broken telescoping antennas on most cordless handsets—no need to remove your existing antenna.
DON'T GET TIED DOWN—GO CORDLESS!

Advanced Super CCT Circuitry Plus 30-Memory Speed-Dialing

NEW! (1) DUOFONE ET-475. Packed with value and convenience! Make or take calls from any room in the house, or even outdoors—the super CCT system gives you communication clarity rivaling that of corded phones, while reducing background noise and increasing effective range. You also get convenient, easy-to-program speed-dialing of 27 numbers, plus three instant-dial priority memories that are ideal for storing emergency numbers. Has COM-LOK security system and auto-set 64,000-combination security code, so you'll never have to worry about nearby cordless users phoning on your line. Features flash key for services like Call Waiting and office PABX, LDT for using tone-dial services on pulse lines, plus touch-redial, and privacy keys. Handset has LED low-battery indicator, base has LED charging and handset in-use indicators. Switchable Touch-Tone/pulse dialing. (TSP available) 43-572...........Low As $15 Per Month $119.95

NEW! (2) DUOFONE ET-470. Features advanced Super CCT system for extra-clear communication, plus three instant-dial priority numbers. Same quality features as above, but without the 27 speed-dial memories and the LED in-use indicator. Switchable Touch-Tone/pulse dialing. (TSP available) 43-571, Low As $15 Per Month 99.95

Two Lines, Hold, Speed-Dialing

■ Line-Status Indicators

DUOFONE ET-422. Ideal for a 2-line home or office! Has 30-memory speed-dialing and amplified handset with volume control. LEDs for each line show if line is ringing, or in-use or on-hold by any phone. Flash for Call Waiting, Redial, Tone/pulse dialing. (TSP available) 149.95 43-560, Low As $15 Per Month

Our Lowest Priced Is High in Value

■ Base Unit “Beeps” Handset

DUOFONE ET-394. Even our budget-priced cordless is sure to please. Gives you convenient base-to-handset paging, and one-touch redial, along with auto-load and COM-LOK security codes to protect your line. Has LED charging and low-battery indicators. Tone/pulse dialing. (TSP available) 99.95 43-564, Low As $15 Per Month

DUOFONE® Talk Really Gets Around With a Cordless in the Home or Office

DUOFONE cordless phones are built to excel. Each model must pass tough quality-control tests including environmental extremes, drop survival and "real world" field testing. From our first cordless in 1979, we have led the way in bringing you innovative features at affordable prices. This year, we introduce new Super CCT Circuitry. It brings you the best-available transmission clarity, while decreasing background noise and increasing effective communication range. It's the best you can get, and it's standard on four of our seven cordless phones. In addition, each DUOFONE has a built-in security system to protect you from unauthorized use of your line. Each gives you maximum legal talk-power, is FCC registered, and has a wall-mountable base. Each is certified to comply with all applicable UL standards and is hearing-aid compatible. And every one is backed by our Satisfaction Guarantee.

DUOFONE CORDLESS PHONES HAVE STANDARD MODULAR PLUGS—INSTALL IN SECONDS
MAKE RADIO SHACK YOUR PHONE COMPANY

Phones With Exciting New Designs—The Latest Fashion and Features

**Krystal™ II Phone.** It's beautiful. Hold button with LED automatically releases when you pick up your call at another extension. Touch-redial calls the last number dialed with one touch if it was busy or there was no answer. Flash button for use with services like Call Waiting. Ringer hi/lo switch. 49.95

**Clear-Fone™.** This fun-design “high-tech” phone with transparent case and colorful internal components lights up when it rings, with no extra wiring needed. Has lighted dial too, plus convenient one-touch redial of last number called and bell ringer on/off switch. Neat look for either desk or wall. 39.95

**Accord™ Phone.** A classy, soft pastel blue accent combines with a versatile but compact modern design to create a phone that looks great in just about every decor. Ideal for desktop in either home or office. With handy hi/lo/off ringer control switch. Modular connectors for easy hookup. 43.80

**NEW! Radio Shack ET-205.** Big buttons—big style! Bold looks and the most convenient features make this phone an exciting complement to any room. Flash button, one-touch redial, LED on-hold indicator and hi/lo ringer control. For desk or wall. 39.95

**NEW! Midnighth™ Phone.** Elegant midnight black phone is both classic and contemporary, so it looks great with any decor. Has hold button with LED indicator to remind you of callers on hold. One-touch redial makes it simple to redial any number if it was busy or there was no answer. Adjustable hi/lo ringer volume control. 44.95

**Mayfair™ Phone.** Sleek, sophisticated design for a modern effect. Has hold button with LED indicator to remind you of callers on hold. One-touch redial makes it simple to redial any number if it was busy or there was no answer. Adjustable hi/lo ringer volume control. 39.95

**President™ Phone.** Bold styling, executive features! Includes hold button with LED status indicator, flash, even a mute button for confidential in-room conversations. Handy one-touch redial, and switchable hi/lo/off ringer control. Was $59.95 in 1991 Catalog. 44.95

Phones With the Latest Advances in Style and Technology

**Constellation™ Phone.** Distinctive, futuristic design complements the desktop of any contemporary home or office. Convenient hold with LED on-hold reminder indicator. Features one-touch redial and switchable hi/lo ringer control that lets you adjust the volume to the most comfortable level. 44.95

**NEW! Midnight™ Phone.** Elegant midnight black phone is both classic and contemporary, so it looks great with any decor. Has hold button with LED indicator to remind you of callers on hold. One-touch redial makes it simple to redial any number if it was busy or there was no answer. Adjustable hi/lo ringer volume control. 44.95

**Mayfair™ Phone.** Sleek, sophisticated design for a modern effect. Has hold button with LED indicator to remind you of callers on hold. One-touch redial makes it simple to redial any number if it was busy or there was no answer. Adjustable hi/lo ringer volume control. 39.95

**President™ Phone.** Bold styling, executive features! Includes hold button with LED status indicator, flash, even a mute button for confidential in-room conversations. Handy one-touch redial, and switchable hi/lo/off ringer control. Was $59.95 in 1991 Catalog. 44.95

Phones Specially Designed for People With Special Needs

**Radio Shack ET-204.** Amplified handset with volume control. Big dialing buttons plus easy speed-dialing of up to 20 numbers from memory. Memory index card. Convenient one-touch redial calls last number dialed if it was busy or did not answer. Ringer hi/lo/off control. Desk/wall mount. 59.95

**Radio Shack ET-276 Trim-Fone™.** Amplified handset with volume control specially designed for use in a noisy environment or as an aid to the hearing impaired. Handy lighted keypad for easy dialing at night plus one-touch redial of last number called. Bell ringer on and off control. For desk or wall. 49.95

**Radio Shack ET-203.** Big, convenient buttons are easy-to-see and easy-to-dial. Amplified headset with volume control to adjust sound to a level that's comfortable for you. Hold button with reminder indicator LED, one-touch redial, and ringer hi/lo/off controls. Desk or wall mount. 49.95

**Radio Shack ET-178.** Easy-to-hold "K" style handset, oversize buttons with large easy-to-read numbers for effortless dialing. Adjustable amplifier control lets you increase or decrease handset listening volume to a personalized sound level. Has one-touch redial and on/off bell ringer control. 49.95

SWITCHABLE and PROGRAMMABLE Touch-Tone/pulse phones work on both tone and pulse lines. Therefore, in areas having only pulse (rotary dial) lines, you can still use services requiring tones, such as alternative long-distance systems and computerized services. Not for coin or party lines. We service what we sell.
PHONES DESIGNED FOR EVERY PURPOSE

Innovative, Top-Quality Phones That Look and Perform Great

Santa Fe™ Phone. Contemporary style adds a touch of the modern southwest to your furnishings. Features 20-number speed-dialing, including four convenient one-touch priority dial memories for frequently called or emergency numbers. Hold button, touch-redial and adjustable ringer control. 49.95

NEW! Ruby™ Phone. Bright color, bold styling and extra-durable construction—all in one compact package. Loaded with the most convenient features like hold with LED indicator. One-touch redial of last number called if it was busy or there was no answer. On/off ringer switch. 43-816 37.95

NEW! Clearset Mini-Fone. Fun and bright! One-piece-style phone lights up when it rings. Clear casing lets you see all the internal components. Great for end table, kids’ extension, playroom, or wherever you need a touch of excitement. It’s a real conversation piece! On/off ringer switch. 43-817 17.95

NEW! Tudor™ Phone. Great looks combined with practical features. Elegant yet modern—the perfect complement to any decor. Has flash button for use with services such as Call Waiting, LED ring indicator and one-touch last-number redial. Hi/lo on/off switch. 27.95

Phones With a Choice in Styles and Designs That Can’t Be Matched

NEW! Diana™ Phone. The one that fits anywhere. Tasteful, understated granite design adds a modern feel to your surroundings. All the most-wanted features including “flash” button, hold with LED indicator, last-number redial and ringer on/off switch. 34.95

NEW! Krystalite™ Neon Phone. Elegant design adds the glow of neon to any decor. Adjustable—set the mood by controlling the brightness, or turn it off completely. Light flashes when phone rings. Hold, redial, ringer on/off switch. Pink, 43-809. Blue, 43-810 59.95

NEW! Fiesta™ Phone. Pastel-colored buttons, modern styling—this phone is a bright addition to any room or office. Hold button with LED reminder and one-touch last-number redial. “Flash” button for use with services like Call Waiting. Hi/lo on/off switch. 39.95

Practical, Dependable Telephones That Get the Job Done

Radio Shack ET-282 Slim-Fone®. Simply the ultimate in convenience and practicality. Speed-dials 20 frequently called numbers up to 16 digits each. Redial with pause for phone systems requiring access code. Hi/lo on/off ringer control. Choice of two colors. White, 43-542. Almond, 43-548 29.95

Radio Shack ET-292 Trim-Fone. Compact, yet packed with convenient features. Speed-dials up to 20 numbers. Features easy-to-see lighted keypad for dialing in any level of room light. Last-number redial with pause. Bell ringer on/off switch. White, 43-581. Almond, 43-582 44.95

NEW! Radio Shack ET-141. Designed and crafted for today’s lifestyle. Features 20-number speed-dialing with personal phone directory and big, easy-to-use buttons. Has hold button with LED, flash button, one-touch last-number redial, and a comfortable “K”-style handset. 43-596 49.95

Radio Shack ET-295 Trim-Fone. Speed-dials up to 33 numbers and has three programmable priority buttons for frequently called or emergency numbers. LCD display shows number being dialed and indicates low battery. Last-number redial with pause, for desk or wall. Requires 2 “AA” batteries. 43-536 54.95

ALL RADIO SHACK PHONES ARE FCC REGISTERED / TANDY SERVICE PLAN AVAILABLE
Hands-Free Universal Phone Headset

Great for Secretaries, Busy Executives, Anyone Who Needs To Talk and Listen Hands Free—Even Teens

DUFO®-129. A "must" for anyone who needs to keep hands free during phone conversations. This comfortable headset features an adjustable mike boom, volume control and a headset/handset switch. There's no need to unplug the headset to switch to handset use. A top-quality electret condenser mike assures clear transmission of your voice. Works with most phones with a modular handset. Auto-shutoff system conserves batteries. Battery-test LED. 49 95
Requires 4 "AA" batteries (TSP available) 43-172
Not compatible with dial-in-handset and some electronic phones.

Portable Listener
Boosts incoming voice so others nearby can hear the conversation. Has suction cup pickup and volume control. Requires 9V battery or AC adapter. 43-231, 8.95

Handset Amplifier
Boosts the incoming sound. For phones with a modular handset cord. Volume and tone controls. Requires 9V batt. 43-237, 19.95
Not compatible with dial-in-handset and some electronic phones. Phone not included.

Shoulder Rest
NEW! Frees your hands during conversations. It's padded for comfort and easy to install on most handsets. Adjusts for left or right shoulder. 43-119 . . . . 5.49
Phone not included.

Snap-On Amplifier
Boosts incoming sound. Portable. Use it at home, take it along. Works with most telephones. Requires "N" batt. 43-229, 10.95

Wall Phone With Hold

■ Hold Button With LED Reminder
■ Touch-Redial ■ Ringer Hi/Lo/Off
Mini Wall-Fone. Just press a button to put a call on hold. It's really handy when you want to continue your conversation on an extension telephone. Features convenient touch-redial of the last number dialed and hi/low/off ringer control. 43-337

Desk Phone With Hold

■ Hold Button With LED Reminder
■ Choice of Four Decorator Colors

With Lighted Keypad

■ Touch-Redial ■ Bell On/Off
■ Choice of Three Decorator Colors
ET-290 Trim+Fone®, A lighted keypad makes dialing easy in any level of room light. Features touch-redial of the last number dialed, bell ringer on/off control. For desk or wall. White, 43-585. Almond, 43-586. Gray, 43-587.

Desk/Wall Phone

■ Touch-Redial ■ Ringer Hi/Lo/Off
■ Available in Two Decorator Colors
ET-272 Slim+Fone®, Dependability and trim styling on a budget! This phone gives you the convenience of touch-redial of the last number dialed, hi/low/off ringer control and a 14-foot cord. Almond, 43-539. White, 43-540.

Personal Phone

■ Touch-Redial ■ Ringer Hi/Lo/Off
■ For Desk, Bedside Table or Wall
ET-126 Mini+Fone™ Telephone. Compact one-piece design lets you "hang up" on any flat surface. You can also wall-mount this phone with its included bracket. Has touch-redial. Like all our phones, it's backed by a one-year limited warranty. 43-500
TWO-LINE PHONES FOR BUSINESS AND HOME

Speakerphone With LCD Alphanumeric Display
- Stores Up to 304 Numbers
- Index Display
- Time/Date Display
- Conference Calling

DU6FONE®-206. Stores and displays telephone numbers by name! Press the button next to the displayed name for fast, accurate speed-dialing. Has 30-event appointment calendar with alarm, call timer and priority buttons for eight frequently called numbers. Auto-redial busy and unanswered numbers up to 10 times. You also get memory-redial, hold, separate LED line-status indicators and hi/low/off ringer controls for each line. For desk or wall. UL listed AC adapter. Requires 4 "AA" batteries. (TSP avail.) 49.99

43-631 .... Low As $15 Per Month

190-Memory Speakerphone With Conference Calling
- Memory Stores Up to 190 Numbers
- LCD Alphanumeric Display
- Call Timer

DU6FONE-196. Stores and displays numbers by name for fast speed-dialing. Also displays time, number dialed and call length. Has priority buttons for three frequently called numbers. Conference button allows 3-party calls. Auto-redial calls numbers up to 10 times if busy or not answered. You also get flash and pause keys for special services, plus separate LED line-status indicators and hi/low/off ringer controls for each line. For desk or wall. UL listed AC adapter. Requires 2 "AA" batteries. (TSP available) 149.95

43-626 .... Low As $15 Per Month

Speakerphone With Hold, Speed-Dialing & Conference
- Stores Up to 33 Numbers for Speed-Dialing
- LED Status Indicators for Each Phone Line

DU6FONE-210. Hands-free calling plus priority buttons for one-touch access to three frequently called or emergency numbers. Has a conference button for 3-party calls, different-sounding ringers for each line with separate hi/low/off volume controls, plus handy touch-redial of the last number dialed. LEDs indicate which line is ringing, on-hold or in-use. Also has flash button for services like Call Waiting, speaker volume control. For desk or wall. UL listed AC adapter. Requires 2 "AA" batteries. (TSP available) 99.95

43-615 .... Low As $15 Per Month

Traditional Styling
Radio Shack ET-180. Make calls on either line and put one or both lines on hold. Separate ring/hold LEDs for each line plus different-sounding ringers. Touch-redial and ringer hi/low/off control. (TSP available) 43-373 59.95

Decorating Design
ET-184 Fashion+Fone®. Low-profile styling plus conference for 3-party calling. You can put one or both lines on hold. Separate ring and on-hold LEDs for each line. Touch-redial. Ringer hi/low/off control. (TSP available) 43-620 59.95

Desk/Wall Compact
ET-291 Trim+Fone. With ring and hold LED indicators for each line, conference feature for 3-party calls, separate hi/low/off ringer controls, touch-redial. Even a handy index for your important numbers. (TSP available) 43-621 59.95

Speed-Dialing
Radio Shack ET-142. Speed-dials 20 numbers of up to 16 digits each. Has hold for one or both lines, big buttons for easy dialing, ring/hold LEDs. Touch-redial. Memory backup requires 2 "AA" batteries. (TSP available) 43-640 69.95

PHONES ON THESE TWO PAGES ARE TONE/PULSE DIALING—SEE INFO ON PAGE 74 / TWO-LINE PHONES PLUG INTO A RJ14 2-LINE JACK
Alphanumeric Speakerphone

**DU6FONE-203.** Two-way speakerphone for hands-free calls. Speed-dials 200-memory numbers by name, not code. Has three one-touch priority buttons and last number redial. Flash, high/low/off ringer control. Desk/wall. Requires 2 "C" batteries. Was $119.95 in 1991 Catalog. (TSP available) 43-624 Low As $15 Per Month

20-Memory Speakerphone

**DU6FONE-148.** One-touch speed-dialing of frequently called numbers. Privacy button for in-room comments. Redial button, flash/pause for PABX and special services. High/low/off ringer control. For desk or wall-mounting. Requires 2 "AAA" batteries. Was $79.95 in 1991 Catalog. (TSP available) 43-612

Lightweight Headset Telephone

**DU6FONE-151.** Feather-light headset with adjustable mike. Earpiece can be worn on either side of the head. Quick-disconnect plug lets you temporarily disconnect phone line without removing headset. Hold button with on-hold LED. Touch redial, flash, talk/hang-up buttons. Volume, high/low/off ringer controls. Desk/wall. Requires 2 "AAA" batteries. (TSP available) 43-618

90-Memory Speakerphone

- 30 Direct-Access Memories
- Privacy Control Button
- LCD Display
- Auto-Redial

**NEW! DU6FONE-188.** 10-digit LCD display shows number dialed, time and call duration. Memory stores up to 90 numbers for fast, accurate speed-dialing. Auto-redial of last number called up to 10 times. Speakerphone for hands-free operation and on-hook dialing. Privacy button for in-room comments. Flash, high/low/off ringer control. Desk/wall. Requires 2 "C" batteries. (TSP available) 43-618

30-Memory Speakerphone

- 2-Way Speakerphone
- Flash for Use With Call Waiting
- Three One-Touch Memories


WHY YOU SHOULD BUY YOUR PHONES FROM RADIO SHACK

Whether for business or personal use, your phone is very important. That's why all of our telephones are designed, built and tested to assure reliability. Unlike many other brands, our extra-feature phones maintain basic operation even if external power fails—you'll never be out of touch. All models are FCC registered. And our quality-control programs, including drop tests and temperature extremes, mean you can expect years of trouble-free operation.

Radio Shack offers a wide variety of phones, many with special convenience features. Easy to use, they're ready to plug in with standard modular connectors and include illustrated instructions. All are hearing-aid compatible. All are backed by a full one-year limited warranty, with extended Tandy Service Plans available. Best of all, service and a complete line of accessories are available near you, through 7000 Radio Shack locations in the USA.
### Feature-Packed 4-Line Telephone Systems

**1) DUOFONE System-411.** Discover the economy of owning your own business phone system with features like a built-in 2-way intercom that requires no extra wiring, Centrex/PABX compatibility, and line-status LEDs. Expands to 12 stations. Individual station line-ringer controls, plus a do-not-disturb button for privacy. Flash for services like Call-Waiting. Tone/pulse dialing. Redial, aux jack for adding speaker or answerer. $9\times 7\times 2\frac{3}{4}". For desk or wall use. UL listed AC adapter. Ringer backup requires 9V battery. (TSP available) 43-456 . Low As $15 Per Month

**2) DUOFONE-406.** Easy plug-in installation, plus all the same features of system above except intercom, do not disturb and paging. $9\times 7\frac{1}{4}\times 2\frac{3}{4}". Desk/wall. UL listed AC. Requires 9V battery. (TSP available) 43-453 . Low As $15 Per Month

### No Wiring — Intercom, Speed-Dialing Speakerphone

**DUOFONE System-412.** This versatile system handles up to four phone lines and expands to 10 stations. LEDs tell you at a glance which lines are free, in use, ringing or on hold. Use the built-in 2-way intercom to call an individual station or page all through built-in speakers. Line-lock button keeps conversations private. Ringer and intercom disabler to prevent interruptions during meetings. Individual line-ringer controls at each station determine which lines ring. Memory stores up to 20 numbers for speed-dialing. Redial plus separate auto-dial button for calling last number. Tone/pulse dialing. $9\times 7\frac{1}{4}\times 2\frac{3}{4}". UL listed AC. Requires 9V battery. (TSP available) 43-460 . Low As $15 Per Month

### 2-Line Phones With Built-In Intercoms

**1) DUOFONE System-209.** Speakerphone with conference, paging, 20-number memory. Flash, LED status, hold/privacy. UL listed AC adapter. Memory backup requires 2 "AAA" batts. (TSP available) 43-617, Low As $15 Per Month

**2) DUOFONE System-208.** Same system as above, but less speakerphone feature. Memory backup requires 2 "AAA" batteries. (TSP available) 43-616, Low As $15 Per Month

### Telephone System Compatibility Information

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* ✓=LINE STATUS INDICATORS ARE COMPATIBLE
  ✓=INTERCOM FEATURES ARE COMPATIBLE
  NC=NOT COMPATIBLE

4-LINE PHONES INSTALL EASILY WITH TWO 2-LINE (RJ14) JACKS / TAKE ADVANTAGE OF THE TANDY EXTENDED SERVICE PLAN - SEE PAGE 97
STAY IN TOUCH EVEN WHEN YOU’RE OUT

Remote With Message Counter
- LCD Displays the Number of Messages Received
- Answerer Stops When You Pick Up the Phone

**NEW! DUOFONE® TAD-425.** Beeperless remote, voice actuation, variable-length announcement, programmable security code, remote turn-on, dual cassettes, memo recording, Toll-saver and 2-way call recording. 2 1/4 x 9 1/4 x 8 3/4". Memory backup requires 9V battery. (TSP available) 43-711 Low As $15 Per Month $119.95

Voice Mail With Programmable Security
- Choice of Two Announcements—Standard Message or Alternate Announcement the Caller Accesses Using a Special Code

**NEW! DUOFONE TAD-345.** Voice Mail lets you tell your friends you’ll be away without telling strangers! Beeperless remote, auto-reset, remote turn-on, 2-way and memo recording, voice actuation, selectable 30-sec./3-min. incoming message length, Toll-saver, room and call monitors. 2 x 7 3/4 x 5 3/4". (TSP available) 43-700 Low As $15 Per Month $99.95

Beeperless With Time/Date Stamp
- You Can Control It From Any Touch-Tone Phone
- Digital Voice Gives Helpful Operating Prompts
- Announces Number of Calls and Messages Left

**NEW! DUOFONE TAD-440.** “Stamps” time, day and date on each incoming message. Features include variable outgoing message length, immediate/delay answer, Toll-saver, selectable 30-second/3-minute maximum incoming message length. Auto-reset stops answerer announcement when phone is picked up. Selectable security code, memo recording for personal messages, announce-only, 2-way recording, remote turn-on, room monitor, voice actuation of incoming messages, Calling Party Control, call-monitor, cue/review. 2 1/4 x 9 1/4 x 7 3/4". Memory backup requires 9V battery. (TSP available) 43-400 Low As $15 Per Month $119.95

Timer-Activated With LCD Display
- Automatically Turns On and Off at Preset Times
- LCD Shows Time, Timer Status, Number of Calls Plus Number And Type of Messages That Were Left

**NEW! DUOFONE TAD-450.** The one with all the answers! Digital LCD displays everything you want to know about the status of the answerer. Phone from a remote location and a digital voice reports the number of calls you received and how many messages were left. Incoming messages are “voice stamped” with time, day and date received. Auto-reset stops answerer if you pick up the phone. Beeperless remote operation. Dual cassettes, Toll-saver, memo recording, 2-way recording, selectable security code. 2 1/4 x 9 1/4 x 8 3/4". Memory requires 9V backup battery. (TSP available) 43-720 Low As $15 Per Month $139.95

DUOFONE ANSWERERS ARE CERTIFIED TO UL STANDARDS FOR AC OPERATION
Microprocessor and Dual Cassettes

DUōFONE® TAD-410. Records your outgoing message of any length. Selectable 30-sec./3-min. maximum incoming message length. Voice actuation, CPC and remote turn-on. Auto-reset stops message when you pick up phone. 2 3⁄4 x 9 x 7 1⁄4". (TSP available) 43-398 $79.95

DUōFONE TAD-412. Same features as unit above, plus remote message retrieval and reset, selectable security code. Toll-saver indicates if there are any new messages. 2 3⁄4 x 9 x 7 1⁄4". (TSP available) 43-399 $99.95

Low As $15 Per Month

Our Easiest To Use Answerer

DUōFONE TAD-241. Built-in voice delivers announcement in selectable man's or woman's voice. Records sixty 30-second incoming messages on one cassette. Message received indicator. Call-monitor. 1 7⁄8 x 7 1⁄4 x 4 1⁄4". (TSP available) 43-393 $59.95

Two Phone Lines and Beeperless Remote

DUōFONE TAD-430. Answers two separate lines. If both lines ring, the first caller is greeted by your personal message, the second by a built-in voice announcement. Dual cassettes, toll-saver. Selectable security code, call monitor, auto-reset, remote turn-on. 2 x 9 1⁄4 x 8 1⁄4". Was $129.95 in 1991 Catalog. (TSP available) 43-712 $119.95

Low As $15 Per Month

NEW!

DUōFONE TAD-270. You select the security code. Immediate/delay answer, toll-saver, beeperless remote, variable announcement length, voice actuation, memo and 2-way recording, call-monitor and programmable tone/pulse dialing. 3 3⁄4 x 6 1⁄8 x 9". Was $129.95 in 1991 Catalog. (TSP available) 43-706 $129.95

Low As $15 Per Month

DUōFONE® You'll Get Your Messages Clearly Every Time

DUōFONE answerers deliver the features you need plus "extras" other ordinary brands don't give you. Everything you need to deliver and receive messages clearly is built in. Tape jam and break sensor keep your phone line free by turning off the answerer if a tape ever malfunctions. Power-interrupt protection preserves messages and operational mode during brief power failures—returns to last setting when power is restored. Built-in electrical spike protection exceeds FCC requirements. Every DUōFONE is FCC registered and certified to meet all applicable UL standards.

Most models feature dual cassettes to make it easy to change announcements and store received messages. All beeperless remote answerers have Toll-saver to indicate if there are any new messages—saves you money on possible long-distance charges. Our Quality-Assurance programs include drop tests, extreme heat/cold environmental tests and simulations of 10 years of operation—that means you get trouble-free use. DUōFONE answerers also feature "instant" modular installation and illustrated instructions for easy operation. DUōFONE is the clear choice!

SEE PAGE 74 FOR IMPORTANT INFORMATION ON TONE/PULSE DIALING / NOT FOR COIN OR PARTY LINES

81
HANDY HELPERS FOR PHONES & ANSWERERS

Answering Machine Two-Line Adapter
Allows your phone answerer to answer calls on either line. Modular plug-in hookup. Phone line powered, requires no batteries or AC. 43-383 $21.95

The Teleprotector® Voice/Data Guard
Stops Your Answering Machine When You Pick Up the Phone
Prevents Costly Interruptions To Your Fax or Modem
Prevents interruption of fax or modem when someone picks up an extension phone. Also stops answerer's outgoing message when you pick up call at an extension. 43-107 $7.95

Spike Protector
Helps prevent costly damage to modems, faxes and phones due to voltage spikes on phone line. Plug-in hookup. For RJ11C modular jacks. Requires 3-prong AC outlet. 43-102 $12.95

Four-Line Tap
Increases versatility and saves money by allowing you to connect single-line phones and other devices to your T12 multiline business phone system. 11 7/8 x 21 1/2 x 4. 43-270 $19.95

Silencer and Pen
(1) Ringer Silencer. Flip the switch and phone's ringer is disabled but you can still make calls. For phones with detachable modular cord. 7-foot cord. 43-127, 7.95
(2) Pen/Stick-On Holder. 43-110. 995

See It Ring! Fone-Flashers
(1) Single Phone. Connects to recorder with remote jack. Your calls are recorded automatically. 43-228 19.95
(2) MultiPhone. Works with extension phones, too. 43-232 24.95

Recording Controls
(1) Indoor Extension Bell. Cancels phone's electronic ringer or works by itself. Plugs into modular jack. 43-175 14.95
(2) Extra Volume. Really loud—the way phones used to ring. Volume control. For indoors. 43-173 21.95
(3) Outdoor. Handy for porch, patio, garage, warehouse. Weather-resistant housing. Modular jack. 43-174 29.95

Make Yourself Clear—With These Phone Answerer Tapes and Accessories

Cassette Phone Answerer Demagnetizer/Cleaner
Kit keeps outgoing and incoming messages crisp and clear. Demagnetizer cassette, probe, mirror, solution. 44-1167 5.95

Microcassette Answerer Cleaner Kit
Keep your microcassette-type answerer operating like new. Includes cleaner, probe, mirror and solution. 44-1168 5.99

Announcement and Message Tapes

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<td>Announcement, Endless Loop</td>
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<td>Micro</td>
<td>Announcement</td>
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<td>Micro</td>
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*For Phone-Mate® brand answerers only

PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS
Pocket Data Directory And Tone Speed-Dialer

- Stores 120 Numbers, Names or Memos Up to 32 Characters Each
- Calc, Timer and Search Functions
- Security Lock ■ Auto Power-Off

Just touch one button and it accurately dials for you when held to the mouthpiece of nearly any phone. LCD display shows name, the number being dialed, time and date. Has eight programmable alarms to remind you of appointments. Auto power-off conserves battery. 4 1/8 x 2 1/4 x 1 1/4". With CR3032 battery. (TSP available) 43-144

Pocket Dialers

(1) Tone Dialer With Memory
- Access low-rate long distance and special services. Has 30-number memory plus three priority keys for frequently called numbers. LED low-battery indicator. Requires 3 "AAA" batteries. 43-141

(2) Budget
- This manual tone dialer is ideal for beeperless answerers plus tone-activated dictation and Ham autopatch. Requires 3 "AAA" batteries. 43-139

Hands-Free Speakerphone

- Modular Connector—Just Plug In
DUOFONE-102. Adds convenient hands-free talking and listening to any phone. Has high-speed talk/listen switching, automatic sensitivity adjustment and privacy button. Phone-line powered. Use AC adapter (#273-1455, extra) on low-current lines. 2 x 6 1/8 x 3 1/4". (TSP available) 43-292

Speakerphone Value

Boost office efficiency or enjoy "family" calls where everyone can talk and listen. Has volume control, sensitivity adjustment, privacy button to temporarily disable mike, 5-foot cord with modular plug—connects in seconds to existing phone. 3 1/2 x 6 x 3 1/4". Phone-line powered. 43-278

Recorder Control With Voice Activation

NEW! Connects to modular phone jack and cassette recorder. Cassette auto-records your phone conversations. Great for business—keeps a record of info and orders taken by phone. Voice-activation saves tape and playback time. Requires 4 "AA" batteries. 43-263

Music-On-Hold Module For One or Two Lines

- Add the "Professional Touch" With Music or Personal Messages
- Works With Single or 2-Line Phones

Available Sept. 30, 1991
NEW, Now callers can hear pleasant music or your customized special announcements when you press the hold button on your phone. Works with all phones on your line. Uses built-in preprogrammed digital music chip. Or, you can connect an external audio source such as a cassette player. UL listed AC adapter. 5 1/2 x 3 1/2 x 1 1/4". (TSP avail.) 43-153

Paging Module for Almost Any Phone System

Easy to install and operate. Just connect to any phone jack and press # to put caller on hold and page. UL listed AC adapter. Was $59.95 in 1991 Catalog. (TSP available) 43-183

TELEPHONE AMPLIFIERS AND AUTO-DIALERS MAY NOT OPERATE ON SOME BUSINESS PHONE SYSTEMS
Phone Wall Plates, Jacks, Plugs and Adapter

(1) Round Modular Wall Plate. 279-392 3.95
(2) Wall Plate. For standard modular wall phones. 279-387 3.95
(3) NEW! Outdoor Wall Plate With Modular Jack. 279-342 8.95
(4) Rectangular Modular Wall Plate. 279-352 3.95
(5) Dual Wall Plate. For up to four phone lines or two phones on the same number. 279-350 5.95
(6) Quick-Connect Jack. Converts standard wall block for use with modular plug. Spade terminals. 279-355 2.19
(7) Modular Jack With Wiring Block. 279-349 3.95
(8) Surface-Mount Modular Jack. 279-353 3.95
(9) Phone Line Entrance Bridge. Provides connecting point with screw terminals for phone company network interface. Attaches to wall. 279-394 5.95

Tools and Cables

<table>
<thead>
<tr>
<th>Fig.</th>
<th>Description</th>
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<tr>
<td>1</td>
<td>Wire Stripping Tool</td>
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<td>2</td>
<td>Insulation-Piercing Spade Lugs</td>
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<td>3</td>
<td>Phone Connector Crimp Tool</td>
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<td>4</td>
<td>NEW! 50-FT. 4-Conductor Cable</td>
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Modular Handset Cords

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Modular Line Cords

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Modular Extensions

- Plug on one end, two jacks on other, 12-Foot. RJ11/14. 279-373 5.95
- 12-Foot RJ11/14. 279-374 4.99
- 25-Foot Modular-to-Modular. 279-375 6.15
- 25-Foot 6-Cond. Modular-to-Modular. 279-376 7.95
- 25-Foot Modular-to-25-Pin Modular. 279-377 6.15
- 25-Foot Modular-to-25-Pin. 279-378 6.15

Handset Cord Untangler

Stop fighting with your phone cord! Swivel connector prevents knotting of handset cord and prolongs cord life. Fits all phones equipped with standard modular handset cord. Plugs in at handset or base. 279-299 4.99

Phone Line Testers

Test 'Em Yourself And Save
Handy and easy to use! Just plug into a modular jack and LEDs show if line is operational, reverse-wired or not operational. 43-101 ... 3.49
2-Line Tester. Same as above, but made for checking 2-line phone jacks. 43-103 ... 5.29

Modular Plugs and Tools

<table>
<thead>
<tr>
<th>Fig.</th>
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<td>4-Cond. Modular Plug, RJ11/14.</td>
<td>279-384</td>
<td>Pkg. of 10/2.99</td>
</tr>
<tr>
<td>2</td>
<td>6-Cond. Modular Plug, RJ11/14.</td>
<td>279-421</td>
<td>Pkg. of 10/3.99</td>
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<table>
<thead>
<tr>
<th>Fig.</th>
<th>Description</th>
<th>Cat. No.</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Two-Line Coupler</td>
<td>279-401</td>
<td>6.95</td>
</tr>
<tr>
<td>2</td>
<td>Three-Way Jack</td>
<td>279-402</td>
<td>6.95</td>
</tr>
</tbody>
</table>

Coupler and Jack

(1) Two-Line Coupler. Combines two single lines with RJ11 jacks into a two-line RJ14 jack. 279-401 ... 6.95
(2) Three-Way Jack. Adds two RJ11 (single-line) jacks to a 2-line RJ14 jack. 279-402 ... 6.95
HANDHELD PORTABLE CELLULAR PHONE

Put the Whole World in Your Hand With Our Smallest Cellular!

- Measures Only 7\(\times\)2\(\frac{1}{16}\)\(\times\)1\(\frac{3}{8}\)" and Weighs Just 15.9 oz. With Battery
- Includes Two Antennas—One Is Built In for Normal Coverage—Or in Weak Signal Areas, Simply Extend the Pull-Up Antenna
- Base Can Recharge Phone and Optional Backup Battery Simultaneously

Tandy CT-302 Portable. A full-featured cellular phone that's completely portable! Quality engineered and tested for lasting performance. Personal-size design is loaded with executive-class features, including an elapsed time counter to track length of each call, 40-number memory with one-touch redial, memory scroll to display each stored number, large liquid crystal display for easy viewing, backlight keys and illuminated display with battery save (light goes off after 15 seconds; press any key and light comes on), electronic lock to prevent unauthorized use (you can still dial 9-1-1 or other emergency number), separate up and down volume buttons, and a signal strength meter. Dual NAM saves roaming charges by letting you have a local cellular phone number in two different cities. Convenient carry case protects your phone and allows you to make and take calls without removing it from the case. Built-in protection circuitry prevents charging in temperature extremes that may damage battery. 600-milliwatt output. Includes rechargeable battery, carry case with strap, AC adapter and charging stand. Introduced at $499. (TSP available)

New Low Price

399.95* Low As $15 Per Month

(Price higher in CA/NC)

NEW! Extra CT-302 Rechargeable Battery. 17-607 39.95

Accessories for the CT-300/301/302 Cellular Telephones

(1) NEW! CT-302 Mobile Mounting Kit. Mounts CT-302 In your vehicle. Includes cigarette lighter adapter for rapid battery charging and for powering phone, and external antenna connection. 17-606 79.95
(2) NEW! CT-302 Rapid Battery Charger. Improves battery life and performance. Automatically discharges, then recharges battery in one hour. Special Order (CMC). 17-605 89.95
(3) CT-300/301 Charging Stand. Requires AC Adapter or Mobile Mounting Kit. 17-602 64.95
(4) CT-300/301 Mobile Mounting Kit. Installs Charging Stand In your car. 17-603 24.95
(5) CT-300/301 Handsfree PC Interface. Transfer data with portable computer and acoustic modem. Requires Charging Stand. Special Order (CMC). 17-601 69.95
(6) NEW LOW PRICE! CT-300/301 Extra Rechargeable Battery Pack. Was $64.95 in 1991 Catalog. 17-604 54.95

Let's Talk About Cellular Pricing

Radio Shack and our cellular telephone carriers across the country strive to keep cellular telephone prices as affordable as possible. In most cases, your new activation and minimum service commitment will result in substantial savings over the unactivated price. However, cellular carriers may require certain activation fees and service deposits that are beyond our control.

For complete details, visit any participating Radio Shack store or dealer.

Prices are subject to change and may vary depending on carrier participation, market conditions, the service plan selected, and changes in federal, state or local law as they affect the cellular telephone industry. Activation is available nationwide through Radio Shack but not required in California and North Carolina. This statement and pricing are as of catalog printing date.

*Requires new activation and minimum service commitment with Radio Shack cellular phone carrier except where prohibited by law. $699.95 without activation. Price in California and North Carolina is $499.95, with activation available but not required.

**Minimum service commitment required.

<table>
<thead>
<tr>
<th>Tandy Model</th>
<th>New Activation**</th>
<th>Calif. and No. Carolina</th>
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<tr>
<td>CT-302</td>
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<tr>
<td>CT-305</td>
<td>$199.95</td>
<td>$299.65</td>
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</tbody>
</table>
FULL-POWER PORTABLE CELLULAR PHONES

Stay in Touch Wherever You Go!

- Keep in Touch Whether You’re In or Out of Your Car

Tandy CT-1033 Transmobile. Use the CT-1033 in your car (plugs into the cigarette lighter) or carry it with you to make and take calls wherever you go. The 3-watt output—even when operating on the internal battery—is five times that of many portables. Switch to 0.6 watts to save battery power and extend talk time.

Includes 832 channels, dual NAM, 30-number memory, adjustable handset volume, last-number redial, cumulative call timer, electronic lock, and more. Was $399.00 in '91 Catalog. (TSP available) 17-1006 .............. Low As $15 Per Month

Extra Battery for CT-1033. 12V, 2.3 amp-hr. 23-187 .................. 39.95

Extra Battery Charger for CT-1033. Available on Special Order (CMC) .................. 54.95

Compact, Slimline Mobile Phone Moves Easily From Car to Car

- No Installation—Just Plug Into Cigarette Lighter and You’re Ready to Make and Take Calls
- Ideal for Rental Cars or When Family Members Are Traveling
- Includes Full-Duplex Handsfree—No Need to Hold Handset

NEW! Tandy CT-1030 Transmobile. The perfect traveling companion! You and your family can stay within easy reach when shopping or running errands, or when out of town for business or pleasure! There are no wires to install or holes to drill. Simply strap the CT-1030 into the seat beside you, plug it into your vehicle’s cigarette lighter and dial! The CT-1030 transfers quickly to another car, to a motor home, to a boat—anywhere there’s a cigarette lighter. Handsfree mike lets you make and receive calls without using or lifting the handset. Coiled power and mike cords keep extra wire out of your way. Features 832 channels, a backlit display and keyboard, 30-number memory for fast 2-digit dialing, dual NAM to save roaming charges and switchable 3-watt/0.6-watt power output. Comes complete with carrying bag, built-in antenna, cigarette lighter plug and mike coiled cords. (TSP available) 17-1020 .............. Low As $15 Per Month

249.95* Price higher in CA/NC

Nothing to Install—Just Strap to Seat And You’re All Set!

Tandy CT-1033 Transmobile.

*Requires new activation and minimum service commitment with Radio Shack cellular phone carrier except where prohibited by law. CT-1033: $649.95 without activation. CT-1030: $549.95 without activation. Price in California and North Carolina is $449.95 for CT-1033 and $349.95 for CT-1030, with activation available but not required. See Page 85 for our cellular pricing policy.
Low-Cost Mobile Cellular Telephone

Affordable Car Phone for Safety and Convenience

- Ideal for Family, Business and Personal Use
- Full-Duplex Handsfree—Make Calls Without Lifting the Handset
- Full 3-Watt Output for Maximum Range

Tandy CT-102 Mobile. A small price to pay for your family’s safety and security while on the road. If help is needed, the police, a tow truck or medical assistance is just an in-car phone call away. The CT-102 is ideal for business, too. You can stay in touch going to and from the office, on a service call or while making a delivery. The CT-102 features a full 3-watt output, 832-channel capacity, a backlit display and keyboard, 30-number memory, a full-duplex handsfree and dual NAM for two phone number ability to save roaming charges. Built-in speaker/monitor permits on-hook dialing. Includes mounting hardware and bracket. 12VDC NEW LOW PRICE! neg. gnd. Requires mobile antenna. Was $299.00 in 1991 Catalog. (TSP avail.) 17-1076 ...... Low As $15 Per Month

Price higher in CA/NIC

High-Performance Cellular Telephone Antennas

(1) Magnet-Mount. Attaches to metal roof or trunk. 3 dB gain. 17-302 24.95
(2) Roof-Mount. “Snap-in” mounting. 3 dB gain. 17-306 24.95
(3) High-Gain Portable. For many portable phones. 3 dB gain. 17-307 29.95
(4) NEW! Glass-Mount. 3 dB gain. Was $39.95 in 1991 Cat. 17-309 29.95
(5) High-Gain Glass-Mount. Improved performance in fringe areas. 5 dB gain. 17-310, 54.95
(6) No-Hole Trunk-Mount. Elevated feed design installs on trunk lid. 3 dB gain. 17-311 39.95
(7) Mirror-Mount. Mounts to outside truck mirror. 3 dB gain. 17-312 39.95
(8) Marine Cellular. Corrosion-resistant fiberglass. 4 dB. Uses 19-102 mount. 17-313 59.95
(9) Suction Cup. Ideal for car or office use on handheld phones. Attaches temporarily to inside window glass. 17-314 24.95
(10) NEW! Clip-On Glass-Mount. Easy to install on car’s side window. 5 dB gain. 17-315, 44.95
(11) NEW! Portable Clip-On. Improves transmission/reception of handheld phones from inside your car without connecting an antenna cable. 17-316 44.95
(12) NEW! Adjustable Angle Antenna. Keeps antenna properly oriented. Pivots 45° for hand-helds, 90° for transportables. 3 dB gain. 17-317 19.95

CT-102/1030/1033 Cellular Telephone Accessories

(1) PC/FAX Interface. This handy interface allows facsimile transmission and reception via your cellular telephone. Also works with a modem for data transfer to and from your portable computer. Available on Special Order (CMC). 17-504 69.95
(2) Wiring Harness/Interface. Lets you mount the CT-102 transceiver in your car’s trunk. Interface mounts under dash and includes jacks for telephone handset, handsfree mike and external speaker. For CT-102 only. Available on Special Order (CMC). 17-705 39.95
(3) Horn Alert Kit. No more missed calls when you’re at a job site or outside your vehicle! The Horn Alert Kit will sound your car’s horn when you have an incoming cellular phone call. For CT-102 only. Available on Special Order (CMC). 17-704 39.95
(4) Long Handset Cable. Ideal for van, RV, limo or bus. It’s the perfect way for a passenger to make and take phone calls from the comfort and convenience of his or her own seat. Available on Special Order (CMC). 17-706 24.95

* Requires new activation and minimum service commitment with Radio Shack cellular phone carrier except where prohibited by law. $499.95 without activation.

Price In California and North Carolina is $299.95, with activation available but not required. See Page 85 for our cellular pricing policy.
Our Best! Three-Station Intercom System

- Three Channels—Talk Privately Between Any Two Stations
- FM Operation Reduces Electrical Noise and Interference
- Automatic Squelch Keeps Stations Silent Between Calls
- Easy to Move Stations From Room to Room

It's a snap to install and even easier to use! Simply plug each station into an AC outlet at the desired location and press the Talk-bar to speak. Each station features selectable 3-channel operation so you can talk with one station without disturbing the other. Use as a single channel for 3-way "conferences". Call-tone button signals one or all stations. Lockable Talk-bar is great for hands-free use and continuous monitoring of a child's room. Built-in modulation limiting circuit prevents distortion. For desktop or wall. Easy to expand the system—simply add more sets anytime. 1⅛ x 5⅜ x 4⅜". UL listed AC. (TSP available) 43-218

Low-Priced 2-Station Intercom System

- Nothing to Install—Uses Existing AC Wiring
- FM Operation Reduces Interference and Background Noise
- Plug 'n Talk® System. Reliable communication in your home or office—plug each station into AC outlets and you’re in business! Push the Call-button on either station to send an alert tone to the other station. Features a convenient lockable Talk-bar for hands-free conversation. Also use as a continuous monitor to "listen in" on another area. Volume control and power-on indicator on each station. Add another pair of stations anytime to expand system. For your desktop, or use keyhole slots for wall mounting. 1¼ x 6¼ x 4½". UL listed AC. (TSP available) 43-207

Two-Station System With Lighted Talk-Bar

- Great Baby-Room Monitor
- Doubles As Night-Light
- Call-Tone

Deluxe Plug 'n Talk System. Just plug into AC, press Talk-bar and speak. Available in three FM frequencies to reduce noise and interference. 1¼ x 6¼ x 4½". UL listed AC. (TSP available) 43-212

Two-Station System Adds Intercom and Hold to Phones

- Low-Cost Way to Add Step-Saving Convenience—Ends Running From Room to Room When Someone Else Has a Phone Call
- Phone-Line Operation Assures Maximum Clarity
- FM Operation

For business or home! If the call is for someone at another station, you can notify that person by intercom. Just plug system into AC and modular jack, then plug phone into intercom. Intercom system does not interfere with phone use and even works without a phone attached. Features locking Talk-bar. Each station has Call-tone and Phone-hold buttons, volume control. Desk/wall. 1¼ x 5⅜ x 4". UL listed AC. (TSP available) 43-206

Low As $15 Per Month

PAIR

SET OF 3
**CONVENIENT WAYS TO KEEP IN TOUCH**

**Portable FM Cordless Room Monitoring System**
- Keep an "Ear" on a Child's Room While You Relax
- Just Plug Transmitter Into AC Outlet—No Wiring to Install
- Two Selectable Frequencies to Prevent Interference
- FM Operation Cuts Noise
- Receiver Has Belt Clip

Now you can monitor an area such as a child's or dependent person's room as you move freely around the house. Also handy to use as a security device to "listen in" on areas which should be unoccupied such as a garage, workshop or storage area. Battery-powered receiver clips to belt or pocket. Also includes AC adapter for receiver—saves batteries when you can power receiver from AC. Low-battery LED indicator. Two selectable frequencies cut signal interference. Transmitter, 2 x 5 1/4 x 4 1/8; Receiver, 5 x 2 1/2 x 1 1/8; requires 9V battery for portable use. Extra receivers available on special order from Radio Shack Consumer Mail Center (CMC). (TSP available) 43-202

Flexible Antenna. For receiver. 43-189

**Wireless Paging System**
- With Antenna for Up to 2-Mile Range
- Expandable—Add Up to Eight Receivers
- Ready to Use • No License Required

Realistic® PG-80. Low-cost way to improve the efficiency of any business in which it's necessary to reach the right person quickly. Push a button on the powerful 7-watt transmitter, and receiver "beeps" to alert user to check in. Digital encoding (4096 possible combinations) with memory backup assures interference-free paging. Add an outdoor CB antenna for extra transmitting range. Receiver audibly warns you of a weak battery. Includes the transmitter and one receiver. Transmitter, 2 1/4 x 7 x 4 5/8", is UL listed AC. Receiver, 4 x 2 9/16 x 1 1/8", requires 3 "AAA" batteries. (TSP available) 49-710 49-711

Low As $15 Per Month

Extra Receiver. Each 29.95

**Two-Station Wired Intercom**
- Saves Time and Steps
- For Desk or Wall
- With 66-Foot Cable

Battery-powered for noise-free conversation in home, camper or boat. Talk-bar on each station sends signal to other, even when "off". Master has volume control. With cable fasteners. Each 1 1/2 x 1 1/2 x 4 1/8". Requires 9V battery. 43-222

**Four-Station Wired Intercom**
- Battery-Powered Operation
- No AC Outlet Necessary
- Handy Child's Room Monitor

Selector switch on master station lets you talk with remote stations individually—no other station can listen in. Master has volume control and all have Call-tone buttons. System includes three 66-foot cables. Each station can be used on desk or wall-mounted. Master, 1 1/2 x 4 1/8 x 4 1/4". Remotes, 1 1/2 x 3 15/16 x 4 1/8". Requires 9V battery or AC adapter. 43-223
REALISTIC—1st CHOICE IN PA EQUIPMENT

100-Watt Amplifier With Built-In Mixer & Antifeedback Control

NEW! Realistic® MPA-95. Our best amplifier has the power and performance demanded in auditoriums, churches and dance clubs. Features four high-impedance mike inputs with 1/4" phone jacks and four low-impedance inputs with professional-type XLR 3-pin jacks. Has aux input for adding mixer or tape deck. Variable feedback filter cuts selected frequency from 300 to 3000 Hz, by 12 dB, to eliminate feedback. Convenient rotary knobs for precise control of each channel. 70V line output, lighted power meter and LED clipping indicator. Fully overload protected. UL listed AC. (TSP available)

32-2036 .......... Low As $15 Per Month 219

SPECIFICATIONS. Frequency Response: 60-20,000 Hz ± 3 dB. Power: 100 watts rms at 4 ohms. Outputs: Mix bus, EQ in/out, push-terminals and phono-type jacks for 4 to 16-ohm speakers, 1/4" headphone jack. Power Requirement: 120VAC, 60 Hz, 200W. Size: 4 x 14 1/2 x 10 1/2".

Compact 35-Watt Power Amplifier With Built-In Equalizer

Realistic MPA-40. Superb performance at low cost. Wide frequency response makes this amp suitable for music as well as voice. Three-band graphic EQ for tailoring sound to room acoustics. Priority terminals permit Channel-1 override of all other channels—really handy for overriding music for paging or emergencies. Built-in mixer. Built-in preamp for magnetic-cartridge turntable. Three Glide-Path® faders control inputs for two mikes and phono/aux. 70V line output, master volume with convenient "memory ring". UL listed AC. (TSP available)

32-2032 .......... Low As $15 Per Month 99

SPECIFICATIONS. Frequency Response: 70-20,000 Hz ± 3 dB. Power: 35 watts rms at 8 ohms. Outputs: 4, 8, 16 ohms; 70V line. Power Requirement: 120VAC, 60 Hz, 120W. Size: 4 1/2 x 10 1/2 x 7 1/2".

Versatile Dual-Power, 20-Watt Amplifier With Tone Control

Realistic MPA-25. Operates on AC or 12VDC power—it's excellent for indoor or mobile use. Accepts either low or high-impedance mikes. High-level input with individual channel fader controls lets you add turntable or other auxiliary component. Features two front-panel mike inputs, rotary master volume/tone controls and LED power "on" indicator. Glide-Path fader controls. Has 70V line output for multiple-speaker systems. Included 12VDC cord lets you plug amp into cigarette lighter socket. Also includes AC cord for easily changing between indoor and outdoor mobile use, and a handy mounting bracket for mobile use. Ventilated metal case. UL listed AC. (TSP available)

32-2033 79

SPECIFICATIONS. Frequency Response: 150-20,000 Hz ± 3 dB. Power: 20 watts rms at 8 ohms. Outputs: 4, 8, 16 ohms; 70V line. Power Requirement: 120VAC, 60 Hz, 40W or 12VDC neg. ground. Size: 4 1/2 x 10 1/2 x 7 1/2".

PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS
COMPLETE MULTIPURPOSE PA SYSTEMS

**Toastmaster’s Special 453**
- Realistic MPA-95 100-Watt Amplifier
- Highball Dynamic Microphone
- Deluxe Folding Microphone Stand
- PA-100 High-Efficiency Speaker System
  - 32-2036/33-984/33-325/40-1412
  - Low As $20 Per Month

**Stage Performance 647**
- Realistic MPA-95 100-Watt Amplifier
- Unidirectional Dynamic Mike With Stand
- FM Wireless 3-Channel Mike System
- Two PA-96 Column Speaker Systems
  - 32-2036/33-1073/33-320/32-1228/40-1412
  - Low As $25 Per Month

**Versatile Club System 813**
- MPA-95 100-Watt Amplifier
- Two Highball Mikes With Stands
- One Pro Series Wireless Mike
- Two PA-100 High-Efficiency Speakers
  - 32-2036/33-984/33-320/32-1224/40-1412
  - Low As $30 Per Month

**Office/Restaurant 225**
- MPA-40 35-Watt Amp With Built-In EQ
- Tight-Cardioid Mike
- Desk Stand
- Four 10W, 70-Volt Line Transformers
- Four 8" Speakers With Ceiling Grilles
  - 32-2032/33-992/33-370/32-1031/40-1272/40-1223
  - Low As $15 Per Month

**Announcer’s Choice 358**
- MPA-40 35-Watt Amp With Built-In EQ
- Highball Dynamic Mike
- Desk Stand
- Four 10W, 70-Volt Line Transformers
- Four Super Powerhorn Speakers
  - 32-2032/33-984/33-370/32-1031/40-1307
  - Low As $15 Per Month

**Auditorium System 415**
- MPA-40 35-Watt Amp With EQ
- Two Tight-Cardioid Dynamic Mikes
- Two Cast-Base Mike Stands
- Two PA-96 Column Speaker Systems
  - 32-2032/33-1073/33-320/40-1413
  - Low As $20 Per Month

**Indoor/Outdoor System 147**
- Realistic MPA-25 20-Watt Amplifier
- Highball-2 Dynamic Omnidirectional Mike
- Four 70-Volt Line Transformers
- Four 8" Wall-Baffle Speakers
  - 32-2033/33-985/32-1031/40-1236
  - Low As $15 Per Month

**Meeting Hall System 207**
- MPA-25 20-Watt Amplifier
- Highball-2 Dynamic Microphone
- Four 70-Volt Line Transformers
- Four 8" Wall-Baffle Speakers
  - 32-2033/33-985/32-1031/40-216
  - Low As $15 Per Month

**“Anywhere” System 251**
- MPA-25 20-Watt Amplifier
- Super-Omn Mike With Deluxe Stand
- PA-96 Portable Column Speaker System
  - 32-2033/33-1070/33-325/40-1413
  - Low As $15 Per Month

SPEAKER WIRE NOT INCLUDED / LENGTH OF WIRE NEEDED FOR EACH SYSTEM WILL VARY / SEE PAGE 149
ANNOUNCING: GREAT PA SPEAKER VALUES!

High-Power Sound Reinforcement Speakers

- **Monitor-Style With 15" Woofer**
  
  Realistic® PA-100. Outstanding sound—for auditoriums or outdoors. Extended frequency response of 60-25,000 Hz. Piezo horn tweeter. Handles 100 watts, 8 ohms. Sensitivity: Rated 92 dB (SPL at 1W/1M). Vinyl-coated enclosure, metal corner protectors and handle. Spring terminals, 1/4" jack. 233/4 x 183/4 x 111/149". Low As $15 Per Month 149.95

- **Column With Dual 8" Woofers**
  
  New! Realistic PA-96. 80 watts, 100-25,000 Hz response, 8 ohms. Piezo horn tweeter. Rated 92 dB (SPL at 1W/1M). Vinyl-coated enclosure, metal corner protectors, 1/4" jack. 30 x 10 x 67/8". 99.95

4" In/Outdoor Powerhorn

An outstanding performer in a compact size. Shockproof and water resistant for years of indoor and outdoor use. With mounting bracket for easy installation. Impedance, 8 ohms. Power output: 5 watts. 40-1235 14.95

Super Powerhorn

High-efficiency design delivers maximum voice and music output. Handles 40 watts. Metal swivel base. Impedance of 8 ohms. SPL: 110 dB (1W at 1M). 11 x 63/8 x 83/8". 40-1307 41.95

In/Outdoor Speakers

4". Moisture resistant, with mounting hardware. Impedance, 8 ohms. 51/2" x 3". 40-1227 11.95

61/2". Same as above, 8 ohms. 41/2" x 81/4 x 31/8". 40-1248 21.95

Wall-Mount Speaker

Perfect for PA paging or background music in your office or retail space. Mounts easily on any wall. Has an 8" speaker plus a convenient built-in volume control. Impedance, 8 ohms. Walnut vinyl finish. 103/4 x 103/4 x 43/4". 40-219 19.95

Round Ceiling Grilles

For mounting 4" and 8" speakers. Steel with attractive white enamel finish to match most decors. Includes hardware for mounting.

4" Grille. 40-1220 4.59

8" Grille. 40-1223 5.69

Full-Range Speakers

For 4" and 8" ceiling grilles. 8 ohms.

4" 10 Watts. 40-1197 10.95

4" 2 Watts. 40-1208 5.95

8" 30 Watts. 40-1286 18.95

8" 10 Watts. 40-1272 10.95

70-Volt Line Transformer

For use with multi-speaker systems. Permits driving speakers at various power levels from single 70-volt line—does not affect other speakers in same system. For 4, 8, and 16 ohms. 32-1031 5.95

SHOP OUR SOUND SHACK™ FOR ALL YOUR PUBLIC ADDRESS EQUIPMENT AND ACCESSORIES
Five-Channel Stereo Mixer With Three “Pan Pot” Mike Controls

NEW! Inputs for three mikes plus two turntables or two tape decks. Use “pan pots” to adjust each mike’s apparent position in the stereo image. Glide-Path® channel faders and dual lighted VU meters for signal monitoring. Cusa/monitor for stereo headphones. 1/4” headphone jack with adjustable level. 20-20,000 Hz response. 2 3/4 x 10 3/4 x 8 1/2”. UL listed AC. (TSP available) 32-1201 . . Low As $15 Per Month 119.95

Four-Channel Stereo Mixer

Mixes Two Mikes, Two Turntables and Tape
Mix “live” sound like a pro or use for recording. Glide-Path faders, dual VU meters, tape and line outputs. “Listen in” with the cue monitor. Mono/stereo switch for monaural signal to both output channels. Headphone monitor jack, 1/4” mike jacks. Battery tester. Response 20-20,000 Hz. 2 3/4 x 10 3/4 x 7 1/2”. Requires 4 “AA” batteries or AC adapter. (TSP available) 32-1100 AC Adapter. UL listed. 273-1454 . . . . . . . . . . . . . . . . . . . . . 69.95

Electronic Reverb Control

Great for disc jockeys, music groups and soloists! Adds echo and reverb enhancement to recordings. “Live” vocals or amplified musical instruments. Has input jacks for cassette deck and microphone or guitar. Adjustable 5-95 ms delay. Glide-Path controls for reverb depth, delay, repeat and mike. With jacks for line-in, line-out and 1/4” mike input. Monaural circuit. 2 1/2 x 6 1/4 x 4 1/4”. Requires 6 “AA” batteries. (TSP available) 32-1110 44.95

Stereo Mike/Line Audio Mixer

Perfect for adding inputs to expand your PA system. Also ideal for recordings from multiple sources—mixes up to four mikes or line inputs simultaneously. Features left/right Glide-Path faders on all four channels. Stereo/mono switch provides custom sound selection. Battery-test LED indicator, microphone level output. 2 3/4 x 8 3/4 x 5”. Requires 9V battery. (TSP avail.) 32-1105 34.95

First Choice of People Everywhere Who Demand High Reliability and Value

Tens of thousands of Realistic audio mixers are in use in the USA, and the number is growing daily. When you compare prices and see how much you get for so little money, it's easy to understand why. But there's more to the Realistic story than just low price. Realistic mixers are famous for long-lasting reliability, thanks to tough quality control testing. We know how to build electronic equipment that will work day after day, year after year, under the constant set-up demands of musicians and performers traveling from stage to stage. And if a Realistic mixer ever does need service, just take it to your nearby Radio Shack. Only Radio Shack has 7000 repair drop-off and pick-up points. NOBODY COMPARES!
REALISTIC® MICROPHONES—SOUND VALUES!

Dynamic Microphones for Stage, Recording and PA

(1) Pro-Unidirectional Highball. Outstanding for PA, recording and handheld vocal use. 80 to 15,000 Hz response. On/off switch. XLR adaptable. Includes removable 16-ft. cable with ¼" plug, case, stand adapter. (TSP avail.) 33-984 $59.95

(2) Super-Omnidirectional. Features flat 40-17,000 Hz response. Rubber shock ring. XLR adaptable. Includes removable 16-ft. cable with ¼" plug, case, stand adapter. (TSP available) 33-1070 $47.95

(3) Omni Electret. 20-13,000 Hz. With 6½" cord, stand, windscreen and battery. 33-1060 $49.95

(4) Super-Unidirectional. Pattern solves feedback/background noise problems. 80-12,000 Hz. 600 ohms. On/off switch. Includes 6-foot cable, ¼" plug and mike stand adapter. 33-992 $27.95

(5) Omnidirectional Highball-2. With internal "pop" filter. Excellent for vocalists. 50-13,000 Hz response. 600 ohms. On/off switch. With 6-ft. cable, ¼" plug and stand adapter. 33-985 $27.95

(6) Unidirectional Highball-7. Great for speeches and PA. Built-in filter cuts feedback. 80-15,000 Hz response. 600 ohms. On/off switch. Includes 10-ft. cable, ¼" plug and stand adapter. 33-986 $17.95

PZM™-Type Microphone

Realistic PZM. Responds to sound pressure, not sound waves, to cut echo effects while increasing clarity and range. Excellent for stage performances. 20-18,000 Hz response. 600 ohms. 5½ x 4½" metal base. Includes 18-ft. cord, ¼" plug. Requires "AA" battery. (TSP available) 33-1090 $49.95

Mikes for Portable Recorders

On/off switch on mike starts and stops recorder. All have ¼" audio plug and ¼" remote plug.

(1) Omni Electret. 20-13,000 Hz. With 6½" cord, stand, windscreen and battery. 33-1060 $49.95

(2) Omni Dynamic With Windscrenn. 100-11,000 Hz. 6½" cord. Low Impedance. 33-2001 $11.95

(3) New! Budget Dynamic. General-purpose use. Low impedance. 6½" cord. 33-1067 $4.95

Stereo Amplified Listener Boosts Sounds Around You

Dual-channel operation boosts sound while maintaining a natural sense of direction. Two built-in electret mikes, volume and balance controls, and headphone jack. Hi-boost adds extra crispness and clarity. Lightweight. 4 x 2¼ x 7/8". Neck cord. Requires stereo headphones with ¼" plug and 2 "AA" batteries. 33-1093 $21.95

Choose From Our Big Selection of Stereo Headphones. See page 29 for lightweight, comfortable headphones to use with Stereo Amplified Listener.

Dual Electret Elements! Record in Stereo With One Mike

The mike that does double duty! Dual unidirectional heads adjust up to 180° apart for best stereo separation when recording ensembles. 50-15,000 Hz. Flip-up stand. Has two slip-on foam wind-screens, 6½" cord with ¼" plugs. Requires "AA" battery. 33-1065 $27.95

Facts About Pickup Pattern Choice and XLR Adaptability

Omnidirectional. This wide pickup pattern provides equal sensitivity to sound in all directions. Unidirectional or Cardioid. Single-direction pickup pattern helps reduce feedback and background noise.

XLR Adaptable. Models 33-984 and 33-1070, above, are easy to adapt to XLR balanced output, used in many professional sound systems. See XLR connectors on facing page and bulk microphone cable on page 149.

PZM IS A TRADEMARK OF CROWN INTERNATIONAL
Three-Channel FM Wireless Mike System

Hands-free mikes for three users! Receiver has volume control for each mike—works like a mixer. Line and mike-level outputs. UL listed AC (or DC adapter, extra). Each transmitter has mute, lapel mike and requires "AA" battery. (TSP avail.) 32-1226 . . . . Low As $15 Per Month 169.95

Camcorder FM Wireless Mike

Record from up to 200 feet away! Crystal-controlled for drift-free, noise-free sound. Transmitter has belt clip, tie-clip electret mike and cord. Receiver has hi/low volume control, monitor, earphone, cable for 1/8" camcorder mike input, shoe mount to attach to camcorder. Requires 2 9V batteries. (TSP available) 32-1226 69.95

Wireless Mike for FM Radio

Tiny, low-cost mike transmits to any FM radio. It's excellent for many remote taping and PA needs, or use it to monitor a child's room or play area. Tunable 88 to 108 MHz—just tune radio to same frequency. Range is up to 250 feet outdoors, 100 feet indoors. On/off switch. Requires Radio Shack #23-1521 19.95

Pro-Quality Handheld FM Wireless Mike

NEW! Crystal-controlled 170-MHz operation for pro-quality sound. Receiver has output level control, line and mike-level outputs. UL listed AC. Dynamic mike has on/off, requires 9V battery. (TSP available) 32-1224 . . . . Low As $15 Per Month 129.95

FM Wireless Mike System

Crystal-controlled for clear sound. 200-ft. range, 70-10,000 Hz response. Transmitter has off/standby/talk switch, battery-test LED, belt clip, mike with cord and tie clip. Requires "AA" battery. Dual-superhet receiver has both line and mike-level outputs. UL listed AC (or DC adapter, extra). 69.95

Hands-Free Electret Mikes

(1) Tie-Clip Omni. Only 3/4" long! 50-15,000 Hz response. 1000 ohms. With 3-ft. cord, 1/8" plug. Includes Radio Shack LR44 battery. 33-1052 19.95
(2) Tie-Pin Super-Omni. 7/8" long. 50-18,000 Hz response. 800 ohms. With 6'/2-ft. cord, 'hi" plug, 'A" adapter, pin, RS 2795 LR44 battery. 33-1063 27.95

Desktop Mike Stand

Professional quality at a low price. Cast iron base with padded feet, 4" chromed tube. Std. 5/8" thread. 33-370 . . . . 6.99

Mike Stand Adapters

(2) Slip-In. Fits std. thread. 33-371, 2.59

Mike Accessories

(1) 13" Gooseneck. Adjust mike to any position. 33-330 . . . . 5.99
(2) 1/2" Screw Flange. For mounting Fig. 1. 33-332, 2.59

Heavy-Duty Mike Stand

For stage, studio or home. Cast iron base. Adjusts from 34-64". Standard 5/8" thread. 33-320, 21.95

31" Boom Adapter

Attaches to stand to let you position mike where you want it. Adjustable length and angle, built-in counterweight. Standard 5/8" thread. 33-344 . . . . 15.95

Foam Windscreen

Cuts wind and breath noises for a more professional performance. Fits most mikes. 33-373 . . . . 1.79

Portable Folding Mike Stand

Extra sturdy! Adjusts from 32-57". Folds for transport or storage. Standard 5/8" thread. 33-325 . . . . 23.95

1/4" XLR Adapters

(1) A3F. Balanced mike/line to high-impedance input. 274-016, 11.99
(2) A3M. Connects high-impedance mike to balanced line or system. 274-017 . . . . 11.99

SHOP OUR_SOUND_SHACK® FOR ALL YOUR PUBLIC ADDRESS AND RECORDING NEEDS
Quantity buyers and purchasing agents can get big discounts on Catalog 472 “each” prices. Save on thousands of items—for premiums, promotions, educational and institutional needs.

Buy in Quantity and Save! Get Up to 40% Off!

Terms: NET 30 days, FOB Radio Shack store or warehouse nearest you. Discounts to be taken off single prices. Items may not be assorted. Call or visit your nearest Radio Shack to order.
**TSP®**

**Tandy Service Plan**

Available at Radio Shack Stores Nationwide

Our commitment to SERVICE includes affordable buyer protection. TSPs are available for many of our products. Conveninet and easy to start, these Plans take the worry out of maintaining your equipment and extend parts and labor coverage to a total of five years in many cases. Initial coverage is inclusive of normal product warranty. Service is performed by expert technicians in Company-owned Service Centers and is available through our 7000 retail locations nationwide. With TSP, there are no unexpected repair costs.

**Look for “TSP available” preceding catalog no. in product descriptions as in the example at right.**

**EMPLOYMENT OPPORTUNITIES**

Promising Careers in Retail Sales, Computer Marketing and Support And Sales Management

If you have sales ability, are willing to work to achieve maximum results and are interested in compensation keyed to productivity, then your Radio Shack store training program might be the career opportunity you’ve been looking for. Thanks for your continuing growth, there are numerous career opportunities available in many market areas.

Write Our National Headquarters for the District Sales Office Location Nearest You

PROFESSIONAL EMPLOYMENT, Dept. 472, 500 One Tandy Center, Fort Worth, TX 76102

An Equal Opportunity/Affirmative Action Employer

---

**THOUSANDS OF ADDITIONAL ITEMS AVAILABLE THROUGH OUR SPECIAL-ORDER “HOTLINE”—SEE PAGES 99, 136 AND 140**
TUNE YOUR GUITAR! BRIGHTEN A PARTY!

Quartz-Accurate Guitar Tuner

- Built-In Mike
- In/Out Jacks
- Battery Check

Tune perfectly, even in noisy surroundings or during sessions. Plug in electric guitar or bass and tune while watching zero-center meter. Built-in mike for acoustic guitars. Accurate to ± 5 Hz. 11/4 x 2 1/8 x 5 1/8". Requires 9V battery. 63-670

High-Intensity Strobe Light

- Add Some Real Pizzazz to Your Next Party

Switch on this wide-angle strobe and vary its flash rate to see people "freeze" or move in slow-motion. Polished reflector in a walnut-vinyl enclosure. 7 1/2 x 7 1/2 x 4 3/4". UL listed AC. 42-3009

Revolving Red Light

- Livens Up Any Get-Together

Reflector revolves to cast a spray of brilliant red search beams on walls, furnishings and ceiling. This party light is 7" high and like the ones you see in many dance clubs. UL listed AC. 42-3040

Multicolor Light Show

- Entertaining Visual Effect

Great mood effect with music or by itself! Faceted enclosure casts an array of colors about the room, floor and ceiling. 7" high. For attention-getting displays or parties. UL listed AC. 42-3018

Colorful Electronic Kaleidoscope

- Reacts to Music and Voice to Form Countless Light Patterns
- Intensity Control Provides Infinite Variety of Rhythmic Designs

NEW! Brings a dazzling visual dimension to sound—transforms music and voices into kaleidoscopic patterns of brilliant color. Plug in and speak or play music. A row of 20 red and yellow LEDs on a spinning axis lights up in sequence to different sounds. Intensity control provides endless combinations of geometric shapes. Built-in mike. 9 1/8 x 9 7/8" display. UL listed AC. 42-3039

Illuma-Storm® Light Display

- Sculpture With Action— Responds To Music, Voice and Touch
- High-Energy Visual Effect With Variable Intensity and Focus

A high-energy field causes constant patterns of colorful lightning bolts. The swirling plasma effects change when the glass sphere is touched. Select audio mode and the built-in mike causes the effect to respond to sound. Intensity and focus controls. 14" high. UL listed AC. Was $119.95 in 1991 Catalog. 42-3035

“Chase Sequence” Lighting System

- Ideal for Attention-Getting Displays or Party Lighting
- Built-In Controller Lets You Vary the Speed of the Chase

NEW! Flexible 25-foot rope contains 105 bulbs that flash in a spectacular chase routine. Excellent for festive occasions, holiday lighting and eye-catching store displays. Built-in controller lets you adjust the sequence speed. The flexible tube can be opened for easy bulb replacement. You can bend and shape the rope light to fit around windows or doorways. UL listed AC. 42-3042

PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS
STEREO PHONO STYLI AND CARTRIDGES

V15 Type RS - The Ultimate Cartridge

- 5-30,000 Hz Frequency Response
- Precise High-Frequency Tracking

Realistic/Shure V15 Type RS. Brings new brilliance to records with its ultrawide response and 30 dB channel separation. Hyperelliptical stylus. Smooth tracking at only 1.25 to 1.75 grams. Dynamic stabilizer and viscous damping. 42-2800

79.95

Realistic/Shure Elliptical-Diamond-Stylus Cartridges

R25XT. 20-20,000 Hz. Tracks at 2.5-3.5 grams. 42-2777

19.95

R47XT. Like R25XT, but with 1.5-2.25 grams tracking. 42-2777

26.95

RXP3. Tracks at ultralight 1.25 grams. P-mount design. 42-2790

29.95

Diamond Replacement Styli for Our Cartridges

R3X. For R25, M71, M75ECS series. 42-2780

14.95

R5X. For R47, M70, M75 series. 42-2781

17.95

RS3P. For RXP3, M92E, M99E, M104E. 42-2791

19.95

R8X. For R1000, M90, M75, T-2 series. 42-2783

24.95

Diamond Stylus Replacements

(1) RS-166. For BSR cartridge or stylus no. SC7M, SC8M, ST-16, ST-17 and ST-21. 42-2892 .......................... 3.99


11.95

DAT-2 Stylus

Diamond conical-design stylus for Pickering V15/AT-1/2, KLH and similar cartridge types. 42-2484

11.95

We Can Get Those Hard-to-Find Styli And Cartridges! Hundreds of Types Available

NO EXTRA CHARGE FOR THIS SERVICE!

Our “Hotline” Service can deliver most replacement styli and cartridges to your nearby Radio Shack store fast! There are hundreds of types available. If the type you need isn’t shown here, ask your Radio Shack store manager to order it for you. There’s no extra charge!

Realistic/Stanton

PROFESSIONAL SERIES

RS500DJ Cartridge. Designed for radio stations and dance clubs. Super rugged to handle back-cueing and scratch-mixing. 2-5 grams tracking. 20-20,000 Hz response. 42-2794

29.95

R500DJ Stylus. Top-quality diamond spherical stylus for RS500DJ, above. Engineered to meet the demands of professional broadcasters. 42-2793

19.95

Realistic/Audio-Technica

QUALITY SERIES

RX 1500 Cartridge. Diamond elliptical stylus. Tracks at 1-1.5 grams. 15-25,000 Hz response. 42-2775

29.95

RT1500 Stylus. Diamond elliptical stylus. Tracks 1-1.5 grams. For RX1500, AT-102P, 102, 112, 122EP. 42-2776

19.95

ALL STEREO PHONO CARTRIDGES ON THIS PAGE ARE OF MOVING-MAGNET DESIGN
High-Power Piezo Tweeters to Upgrade Your System
Efficient ceramic drivers replace coil/magnets. No crossovers required.
(1) 2" Cone. 75 watts, 5-25 kHz. 93 dB (1W/1M). 40-1383 .......... 4.95
(2) 3.5" Horn. 75 watts, 4-27 kHz. 94 dB (1W/1M). 40-1396 .......... 13.95
(3) 2 x 6" Horn 75 watts, 2-25 kHz. 94 dB (1W/1M). 40-1379 ........ 14.95
(4) 3.75" Horn. 75 watts, 4-25 kHz. 92 dB (1W/1M). 40-1397 .......... 9.95

Detailed Stereo Imaging
Dynamic Tweeter Horns
Wide, controlled dispersion.

Dynamic Cone Drivers
Wide-dispersion dome tweeter
Dynamic Midrange Speakers
(1) 3" Mid/Tweeter. 0.7-20 kHz. 30 watts. 89 dB (1W/1M). 40-1289 .......... 12.95
(2) Soft-Dome 4". 1.5-10 kHz. 70 watts. 86 dB (1W/1M). 40-1281 .......... 21.95

Mono L-Pad Volume Controls
Each controls one 8-ohm speaker. Mounts in wall or speaker cabinet.
(1) 75 Watt Peak. 40-977 .... 9.95
(2) 25 Watt Peak. 40-980 .... 5.95

Black Metal Speaker Grilles
With Mounting Screws
8" Grille. 40-1345 .... 7.95
NEW! 10" Grille. 40-1357 .... 8.95
12" Grille. 40-1346 .... 10.95
NEW! 15" Grille. 40-1358 .... 16.95

Ceiling Speaker Grilles
Round grilles with hardware.
4" Grille. 40-1220 .... 4.59
8" Grille. 40-1223 .... 5.69

Metal Wall Brackets
Each supports up to 50 lbs. With hardware for mounting two speakers.
40-150 ........ 3.49

Fiber Glass Acoustic Insulation
Easy to install. Damps out unwanted effects in speaker enclosure. Measures one square yard.
40-1939 .... 3.39

VISIT YOUR NEARBY RADIO SHACK STORE FOR ASSISTANCE IN SELECTING THE RIGHT REPLACEMENT SPEAKER
EASY WAYS TO UPGRADE AND CUSTOMIZE

Speaker Selector Switch
Controls two pairs of stereo speakers. Select pair-one, pair-two or both. Metal case with predrilled tabs. Screw terminals. 40-130 ........... 8.95

Three-Way Switch Box for Six Speakers
Controls up to three pairs of speakers from one location. Rated at 10 watts. Simulated-walnut finish. 40-125 ............. 17.95

High-Power Eight-Speaker Switch Box
Designed to handle higher-powered amplifiers and receivers. Spring-terminal connectors. Handles 100 watts per channel. 40-136 ....... 31.95

Speaker Selector (W)
Mono Mono

Control pairs -1-2-1 stereo speakers. Select pair -one, pair -two or both. Metal case with predrilled tabs. Screw terminals. 40-130 ........ 8.95

Paper Cone. Cap. 50W. 40-1016, 29.95

Long-throw cone excursion for solid bass. 8-oz magnet. 40-1022 ........ 13.95

Radio Shack is America's Favorite One-Stop-Shopping Center for Speaker Cables

Cables With RCA-Type Plugs

(1) Plug-to-Lug Cables. RCA plug.
24 Feet. 24 gauge. 42-2456 ........ 2.39
12 Feet. 24 gauge. 42-2449 ........ 2.25

(2) 1/4" Plug-to-Lug Cables. 12-ft.
24-gauge cable. 42-2454 ........ 2.25

(3) Solderless Lug-to-Lug Cables.
24 Feet. 24 gauge. 42-2444 ........ 2.19
12 Feet. 24 gauge. 42-2447 ......... 1.65

Quality 24-Foot Cables

(1) Tinned Ends to Phono Plug. 42-2457 ........ 4.69
(2) Tinned Ends. 42-2456 ........ 4.29

Nominal Impedance of all speakers on these two pages is 8 ohms except piezo tweeters and subwoofers

101
**WE’VE GOT YOUR AUDIO CONNECTIONS**

<table>
<thead>
<tr>
<th><strong>Description</strong></th>
<th><strong>Feet</strong></th>
<th><strong>Cat. No.</strong></th>
<th><strong>Each</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gold</strong> Patch Cable</td>
<td>Shielded, extra-rugged stereo patch cable with gold-plated phone connectors.</td>
<td>3 ft. 42-2601</td>
<td>9.95</td>
</tr>
<tr>
<td><strong>Gold</strong> Extension</td>
<td>Shielded patch cable extender, gold-plated phone plugs and jacks.</td>
<td>3 ft. 42-2602</td>
<td>9.95</td>
</tr>
<tr>
<td><strong>Gold</strong> Cable Set</td>
<td>Four very low-loss, shielded, heavy-duty audio cables. Gold-plated phone plugs.</td>
<td>3 ft. 42-2603, 16.95</td>
<td></td>
</tr>
<tr>
<td><strong>Gold</strong> Ribbon</td>
<td>Shielded 4-conductor cable with gold-plated phone connectors.</td>
<td>3 ft. 42-2604</td>
<td>16.95</td>
</tr>
<tr>
<td><strong>Gold</strong> 6-Ft. Patch</td>
<td>Shielded, extra-rugged stereo patch cable with gold-plated phone connectors.</td>
<td>42-2605, 11.95</td>
<td></td>
</tr>
<tr>
<td><strong>12-Ft. Patch Cable</strong></td>
<td>NEW! Fully shielded. For jobs requiring more cable length.</td>
<td>42-2356</td>
<td>6.99</td>
</tr>
<tr>
<td><strong>FM Antenna</strong></td>
<td>Dipole with spade lugs to connect to 500-ohm FM input.</td>
<td>42-2357</td>
<td>2.99</td>
</tr>
<tr>
<td><strong>Audio Cable</strong></td>
<td>Shielded 6-ft. cable with 1/4&quot; stereo plug at each end.</td>
<td>42-2358</td>
<td>3.99</td>
</tr>
<tr>
<td><strong>Dubbing Cords</strong></td>
<td>(1) With 1/4&quot; Plug.</td>
<td>6 ft. 42-2359</td>
<td>3.99</td>
</tr>
<tr>
<td><strong>Mini Ys</strong></td>
<td>Stereo 1/4&quot; plug to two phone plugs.</td>
<td>3 ft. 42-2425, 4.99</td>
<td></td>
</tr>
<tr>
<td><strong>Shielded Cables With 1/4&quot; Plug</strong></td>
<td>Color-coded phono plugs. Two phono jacks.</td>
<td>42-2426</td>
<td>5.99</td>
</tr>
<tr>
<td><strong>Shielded Cables With 1/4&quot; Plugs</strong></td>
<td>Shielded 6-ft. cable with five-pin male DIN connector at each end.</td>
<td>42-2437</td>
<td>4.99</td>
</tr>
<tr>
<td><strong>Shielded Phono Y-Adapters</strong></td>
<td>Shielded, extra-rugged stereo patch cable with gold-plated phone connectors.</td>
<td>42-2438</td>
<td>4.99</td>
</tr>
<tr>
<td><strong>Shielded Coiled Guitar Cords</strong></td>
<td>15-ft. Retracts to 3 ft. Straight 1/4&quot; plug to 90° 1/4&quot; plug.</td>
<td>42-2439</td>
<td>6.99</td>
</tr>
<tr>
<td><strong>Mike Cable Extensions</strong></td>
<td>(1) 1/4&quot; plug to 1/4&quot; jack.</td>
<td>42-2470</td>
<td>5.99</td>
</tr>
<tr>
<td><strong>Shielded Y-Adapters</strong></td>
<td>12-ft. Right-angle 1/4&quot; plugs.</td>
<td>42-2471</td>
<td>4.99</td>
</tr>
</tbody>
</table>

SEE PAGES 146 AND 147 FOR EVERYTHING IN CONNECTORS AND ADAPTERS
### PROTECTION FOR YOUR MUSIC COLLECTION

#### Battery-Powered CD Cleaner
- Takes 15 Seconds
- Cleans compact discs to keep them playing like new. Auto shut-off, with fluid. Requires 2 "AA" batteries.
- 42-124 29.95

#### 36-CD Storage Rack
- NEW! Keep your CD collection organized with a convenient, easy-to-access case. Sturdy molded construction with non-slip rubber feet.
- 42-216 12.95

#### Compact Disc Cleaning System
- Removes dust and dirt from your CD to help eliminate "skipping". With cleaning case, fluid, brush and instructions.
- 42-116 12.95

#### Budget Compact Disc Cleaner
- Low-cost cleaning for CDs. Removes dirt, fingerprints and dust. With base, cleaning pad and fluid.
- 42-113 4.95

#### Compact Disc Cleaner Fluid
- NEW! Just a spray to keep each of your CDs sounding great. One fluid oz.
- 42-126 2.99

#### Headshell Replacement
- Low-mass design. Fits most S-shaped phono tonearms and accepts popular cartridges. With hardware.
- 42-2752 5.99

#### Mag-Cartridge Preamp
- Adapts amps, receivers or portables with aux/ceramic inputs to accept magnetic-cartridge turntable. UL listed AC.
- 42-2109 27.95

#### "Auto" Power Controller
- Switches entire AV system on/off when you switch one component on/off. Spike protector and noise filter. UL listed AC.
- 61-2781 49.95

#### Record Record Cleaning Fluid
- Safely cleans records and styli. Also helps to eliminate static.
- 42-119, 1.99

#### LP Spray Cleaner
- Spray and special cloth remove debris to prolong record life.
- 42-2500, 2.99

#### Record/Stylus Cleaner
- Cleans records and stylus tip. With fluid, case.
- 42-140 4.99

#### Pro Record Cleaner
- Velvet-surfaced brush, base and 2 oz. of fluid.
- 42-117 7.95

#### 45-RPM Adapter
- Instantly lets you play 45-RPM records on any standard phono spindle.
- 42-120 695

#### 12" Turntable Cushions
- (1) Foam. 42-361 1.19
- (2) Antistatic. 42-362 3.95

#### Portable CD Carry Bag
- NEW! Holds your CD portable plus five compact discs in separate compartments. With shoulder strap.
- 42-217 17.95

#### Compact Disc Storage Rack
- Protect Your CDs
- Lets you organize and store up to 10 compact discs in their jewel boxes.
- 42-214, 5.95

#### Compact Disc Jewel Boxes
- Now you can easily replace scratched, cracked or lost CD jewel boxes.
- 42-122, Pkg. of 2/2.99

#### Compact Disc Storage Rack
- Keeps 25 CDs in a vertical position for easy-access and protection.
- Attractive, durable molded construction.
- 42-215 5.95

#### Compact Disc Cleaning System
- Removes dust and dirt from your CDs to help eliminate "skipping".
- With cleaning case, fluid, brush and instructions.
- 42-116 12.95

#### CD Player Lens Cleaner
- Safe, Easy Way to Clean Laser Lens
- For Home and Portable Players
- Just insert this specially encoded disc to clean laser pickup. Nonabrasive. (Not for magazine-type changers.)
- 42-123, 14.95

#### Compact Disc Cleaner Fluid
- Just to keep each of your CDs sounding great.
- One fluid oz.
- 42-126 2.99

#### Record Cleaning Fluid
- Safely cleans records and styli. Also helps to eliminate static.
- 42-119, 1.99

#### Record/LP Sleeves
- Replacement sleeves protect LPs and 12" laser video discs.
- 42-132 Pkg. of 10/2.79

#### "Single" Sleeves
- Keeps your 45-RPM records dust-free and prevents scratching.
- 42-142 Pkg. of 20/2.39

#### 45-RPM Adapter
- Instantly lets you play 45-RPM records on any standard phono spindle.
- 42-120 695

#### "Single" Sleeves
- Keeps your 45-RPM records dust-free and prevents scratching.
- 42-142 Pkg. of 20/2.39

#### 12" Turntable Cushions
- (1) Foam. 42-361 1.19
- (2) Antistatic. 42-362 3.95

#### Compact Disc Storage Rack
- Protect Your CDs
- Lets you organize and store up to 10 compact discs in their jewel boxes.
- 42-214, 5.95

#### Compact Disc Cleaner Fluid
- Just a spray to keep each of your CDs sounding great. One fluid oz.
- 42-126 2.99

#### Compact Disc Cleaning System
- Removes dust and dirt from your CD to help eliminate "skipping". With cleaning case, fluid, brush and instructions.
- 42-116 12.95

#### Budget Compact Disc Cleaner
- Low-cost cleaning for CDs. Removes dirt, fingerprints and dust. With base, cleaning pad and fluid.
- 42-113 4.95

#### Compact Disc Cleaner Fluid
- NEW! Just a spray to keep each of your CDs sounding great. One fluid oz.
- 42-126 2.99

#### Record Record Cleaning Fluid
- Safely cleans records and styli. Also helps to eliminate static.
- 42-119, 1.99

#### LP Spray Cleaner
- Spray and special cloth remove debris to prolong record life.
- 42-2500, 2.99

#### Record/Stylus Cleaner
- Cleans records and stylus tip. With fluid, case.
- 42-140 4.99

#### Pro Record Cleaner
- Velvet-surfaced brush, base and 2 oz. of fluid.
- 42-117 7.95

#### 45-RPM Adapter
- Instantly lets you play 45-RPM records on any standard phono spindle.
- 42-120 695

#### 12" Turntable Cushions
- (1) Foam. 42-361 1.19
- (2) Antistatic. 42-362 3.95

#### "Single" Sleeves
- Keeps your 45-RPM records dust-free and prevents scratching.
- 42-142 Pkg. of 20/2.39

#### 45-RPM Adapter
- Instantly lets you play 45-RPM records on any standard phono spindle.
- 42-120 695

#### 12" Turntable Cushions
- (1) Foam. 42-361 1.19
- (2) Antistatic. 42-362 3.95
Our Best! MIV Digital-Ready Metal Type IV

Enjoy greater high-frequency headroom and audio reproduction that is virtually indistinguishable from open-reel recordings. Recommended for personal taping from compact discs. Designed for recording on metal-capable equipment only. Plays back on all cassette equipment. Precision 5-screw housing reduces wow and flutter. Special nonabrasive cleaning leader. Includes hinged storage box with handy index card.

<table>
<thead>
<tr>
<th>Type</th>
<th>Total Recording Time</th>
<th>Cat. No.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIV-60</td>
<td>60 Minutes</td>
<td>44-960</td>
<td>4.99</td>
</tr>
<tr>
<td>MIV-90</td>
<td>90 Minutes</td>
<td>44-961</td>
<td>5.99</td>
</tr>
</tbody>
</table>

Digital-Ready HD Chrome Equivalent Type II

Excellent for CrO₂/hi-bias position recording. Captures loudest and softest passages while reducing noise. Plays on all cassette equipment. Nonabrasive cleaning leader, 5-screw housing. Hinged storage box with index card.

<table>
<thead>
<tr>
<th>Type</th>
<th>Total Recording Time</th>
<th>Cat. No.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD-46</td>
<td>46 Minutes</td>
<td>44-942</td>
<td>2.39</td>
</tr>
<tr>
<td>HD-60</td>
<td>60 Minutes</td>
<td>44-940</td>
<td>2.49</td>
</tr>
<tr>
<td>HD-76</td>
<td>76 Minutes</td>
<td>44-943</td>
<td>2.79</td>
</tr>
<tr>
<td>HD-90</td>
<td>90 Minutes</td>
<td>44-941</td>
<td>2.99</td>
</tr>
<tr>
<td>HD-100</td>
<td>100 Minutes</td>
<td>44-944</td>
<td>3.69</td>
</tr>
</tbody>
</table>

Premium MII Type II Metal for Hi-Bias Decks

A superb metal tape for recording on decks with CrO₂/hi-bias 70µs EQ switch position. Exceptionally wide dynamic range and much lower noise. Plays on all cassette equipment. Each has a nonabrasive head-cleaning leader, 5-screw housing and a hinged storage box with index card.

<table>
<thead>
<tr>
<th>Type</th>
<th>Total Recording Time</th>
<th>Cat. No.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>MII-60</td>
<td>60 Minutes</td>
<td>44-950</td>
<td>3.99</td>
</tr>
<tr>
<td>MII-76</td>
<td>76 Minutes</td>
<td>44-952</td>
<td>4.49</td>
</tr>
<tr>
<td>MII-90</td>
<td>90 Minutes</td>
<td>44-951</td>
<td>4.79</td>
</tr>
<tr>
<td>MII-100</td>
<td>100 Minutes</td>
<td>44-953</td>
<td>4.99</td>
</tr>
</tbody>
</table>

Premium XR Extended-Range Ferric Type I

Audiophile-quality tape at bargain prices! Delivers optimum performance at normal bias for greater “detail.” Precision 5-screw housing reduces wow and flutter. For recording and playback on all cassette equipment. Nonabrasive head-cleaning leader. Hinged storage box with index card.

<table>
<thead>
<tr>
<th>Type</th>
<th>Total Recording Time</th>
<th>Cat. No.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XR-46</td>
<td>46 Minutes</td>
<td>44-920</td>
<td>1.39</td>
</tr>
<tr>
<td>XR-60</td>
<td>60 Minutes</td>
<td>44-921</td>
<td>1.49</td>
</tr>
<tr>
<td>XR-90</td>
<td>90 Minutes</td>
<td>44-922</td>
<td>1.99</td>
</tr>
<tr>
<td>XR-120</td>
<td>120 Minutes</td>
<td>44-923</td>
<td>2.79</td>
</tr>
</tbody>
</table>

Low-Noise Standard Ferric Type I

High-flux-density oxide formula delivers high output with low noise. Precision housing cuts wow and flutter. For recording and playback on all cassette equipment.

<table>
<thead>
<tr>
<th>Type</th>
<th>Total Recording Time</th>
<th>Cat. No.</th>
<th>2-Pack</th>
</tr>
</thead>
<tbody>
<tr>
<td>LN-30</td>
<td>30 Minutes</td>
<td>44-901</td>
<td>1.69</td>
</tr>
<tr>
<td>LN-60</td>
<td>60 Minutes</td>
<td>44-902</td>
<td>1.99</td>
</tr>
<tr>
<td>LN-90</td>
<td>90 Minutes</td>
<td>44-903</td>
<td>2.39</td>
</tr>
<tr>
<td>LN-120</td>
<td>120 Minutes</td>
<td>44-904</td>
<td>3.49</td>
</tr>
</tbody>
</table>

SUPERTAPE® Our Famous Brand Highly Rated by a Leading Audio Magazine

In tests, SUPERTAPE outperformed many other famous-brand tapes on the market. It’s made in our own USA factory, and we go to extremes to make sure our tape is state-of-the-art in formulation and performance so you get the best possible sound. And the 76 and 100-minute lengths are ideal for recording from digital sources. Always choose SUPERTAPE—you’ll hear an improvement.
HOW TO PAMPER YOUR RECORDER & TAPE

Bulk Eraser
Complete erasing fast! (Not for metal or videotape.) UL listed
AC. 44-232 19.95

Lighted Demagnetizer
Lighted 3/8" probe works with all tape decks. UL listed.
44-207 15.95

Head Demagnetizer
Looks like an ordinary cassette, works fast. With indicator, battery.
44-1165 10.95

Demag/Cleaner Kit
For answerers, too. Demagnetizing cassette, probe, mirror, solution.
44-1167 5.95

Liquid Deck Cleaner
Felt pads clean head, roller and capstan. With 1/2-oz. fluid.
44-1116 3.99

Head Cleaner Kit
Extends tape life by cleaning entire tape path. With fluid.
44-1162 2.89

Pro-Style Cleaning Solvent
Dissolves dirt and oxides to protect components, improve performance.
2 fluid ounces. 44-1113 3.59

Standard Cleaner Solution
Protects equipment by effectively cleaning tape heads, guides and rollers.
2 fluid ounces. 44-1010 .99¢

Non-Slip Solvent
Stops slippage of belts, cords and idlers in tape decks. Fast drying.
2 fluid ounces. 44-1013 .99¢

Cleaner/Lube Kit
10 swabs, 1/4-oz. bottles of cleaner and lubricant. Excellent for cleaning those hard-to-reach places.
44-217 2.59

Flexible Swabs
Ultra-thin foam swabs have antistatic treatment. Just the thing for cleaning in tight spots.
44-1001 Pkg. of 10/2.49

Cleaning Cloths
Chemically treated for cleaning delicate equipment, plus tapes and component covers.
44-1088 Pkg. of 4/1.99

Cassette Tape Splicer
Precision cut/trim lever for perfect splices every time. Includes one roll of splicing tape.
44-214 6.99

Liquid Deck Cleaner
Felt pads clean head, roller and capstan. With 1/2-oz. fluid.
44-1116 3.99

"Pro" Cleaning Kit
NEW! Excellent for video equipment. Solvent, six cotton swabs.
44-1115 4.99

Flexible Swabs
Ultra-thin foam swabs have antistatic treatment. Just the thing for cleaning in tight spots.
44-1001 Pkg. of 10/2.49

Cassette Splicing Tape
44-1125 .89
44-1128 .89

Leader Tape
Perfect for indexing your reel-to-reel tapes. Roll is 7/8" wide and 200' long.
44-1131 .99¢

Sensing Tape
Controls recorders, tape decks with contact-type or photoelectric sensors.
100' roll. 44-1155, 3.39

Cassette Shell
Easy way to replace a damaged housing. With 24" of leader and instructions.
44-626 1.19

Cassette Boxes
Handy hinged boxes store and protect your audio cassette tapes.
44-611, Pkg. of 3/1.39

Cassette Mailers
Excellent for audio "letters" and demo tapes. Comply with first-class postal regulations.
44-608 Pkg. of 3/99¢

Budget Mailers
These heavy-duty cardboard boxes meet all first-class postal regulations. Include labels.
44-632 Pkg. of 6/89¢

Foot Switch
Hands-free remote on/off control of recorders with remote-control jack. Ideal for typing from dictation.
44-610 3.69

Phone Pickup
For recording personal calls. Attaches to receiver. (May be incompatible with some electronic phones.)
44-533 2.89

Car DC Adapter
Saves on batteries and works with most portables. Plugs into car lighter socket. Delivers 6 or 9 volts.
14-844, 6.99

CD Splicing Tape
Width Cat. No.
1/8" 44-1122 .89
3/32" 44-1128 .89

Index Cards
Replace used-up cards. Keep track of the music or data on tapes. Fits standard cassette box.
44-623, Pkg. of 20/1.29

Index Labels
Self-adhesive. Set includes six each of red, yellow, blue, and green.
44-621, Pkg. of 24/990

Car DC Adapter
Saves on batteries and works with most portables. Plugs into car lighter socket. Delivers 6 or 9 volts.
14-844, 6.99

LARGE-QUANTITY DISCOUNTS AVAILABLE AT PARTICIPATING RADIO SHACK STORES AND DEALERS
ORGANIZE AND PROTECT YOUR TAPES

Personal Stereo Case
- With Carry Strap
STEREO-MATE® padded nylon case for AM/FM personal radios or cassettes. 44-689 ... 7.95

Universal Case
- With Convenient Carry Strap
Stores up to 10 audio or 8mm cassettes or your personal stereo. 44-681 ... 9.95

Shock Protected Soft Case
- Padded Interior
Protects and stores up to 15 boxed, 24 unboxed or 12 8mm cassettes. With carry strap. 44-635 ... 8.95

Padded Tape Case
- 30 Audio Or 24 8mm Cassettes
Use to store up to 48 unboxed cassettes. Rip-stop fabric. 44-686 ... 14.95

Padded Tape Case
Stores up to 60 boxed/96 unboxed audio tapes or 48 8mm video tape cassettes. 44-679 ... 18.95

VHS Cassette Rewinder And Fast-Forwarder
Frees VCR for use while you rewind or fast-forward another video tape. Has auto-stop to protect tapes. Requires 4 alkaline “C” batteries or AC adapter. 44-1140 ... 29.95

Universal VCR Cover
Static-resistant vinyl keeps out dust that can damage your VCR. Display shows through transparent front. Fits most standard models of VCRs. Measures 5 x 18 x 19/4". 44-1182 ... 7.48

Audio Cassette Tray
- Holds 15 Tapes
Tinted cover keeps out harmful dust, protects and organizes your tapes. 44-665 ... 3.99

Universal Cassette Case
- 60 Audio or 48 8mm Tapes
Stores up to 60 boxed/96 unboxed audio tapes or 48 8mm video tape cassettes. 44-679 ... 18.95

Audio Cassette Module
- Interlock Design For Easy Stacking
Units interlock to stack horizontally or vertically. It's easy to add on more! Stores up to 10 boxed or 16 unboxed audio cassettes. 44-685 ... Each 2.69

Audio Cassette Tray
Holds 15 Tapes
Tinted cover keeps out harmful dust, protects and organizes your tapes. 44-665 ... 3.99

Universal Cassette Case
- 60 Audio or 48 8mm Tapes
Stores up to 60 boxed/96 unboxed audio tapes or 48 8mm video tape cassettes. 44-679 ... 18.95

Deluxe VHS/Beta Tape Rewinder/Fast Forwarder
Rewind or fast-forward your video cassettes quickly and easily. Reduces wear on your VCR. Has auto-stop to protect tapes. UL listed AC adapter (or DC adapter, extra). 44-1141 ... 41.95

Deluxe VHS/Beta Video Cassette Library Albums
Low-Cost Protection for Your Tape Library
Individual book-style storage cases organize and protect your valuable tape recordings. Each holds a VHS or Beta tape. 44-1195 ... Pkg. of 3/2.99

Deluxe VHS/Beta Video Cassette Library Albums
Low-Cost Protection for Your Tape Library
Individual book-style storage cases organize and protect your valuable tape recordings. Each holds a VHS or Beta tape. 44-1195 ... Pkg. of 3/2.99

Relabeling Kit
- Uniform Labeling
For VHS or Beta video cassettes. Kit includes 10 adhesive label sets. 44-1103 ... 1.59

Stackable VHS/Beta Video Cassette Storage Module
- Interlock to Expand
- Stacks Vertically Or Horizontally
Keeps your video tape recordings organized. It’s easy to expand storage space as your library grows—just add on. Holds six. 44-1102 ... Each 4.99

Stackable VHS/Beta Video Cassette Storage Module
- Interlock to Expand
- Stacks Vertically Or Horizontally
Keeps your video tape recordings organized. It’s easy to expand storage space as your library grows—just add on. Holds six. 44-1102 ... Each 4.99

Deluxe VHS/Beta Video Cassette Library Albums
Low-Cost Protection for Your Tape Library
Individual book-style storage cases organize and protect your valuable tape recordings. Each holds a VHS or Beta tape. 44-1195 ... Pkg. of 3/2.99

Video Tape Labeling Kit
Set of labels includes 20 cards and 10 adhesive-backed holders for neater identification. 44-1104 ... 1.99

3-Input/Output Control Center
(1) Add versatility to your home recording studio. Monitor, record and dub with up to three separate cassette decks. Connects to tape monitor jacks for easy operation. Puts an end to the hassle of patch cord swapping. 2 1/2 x 6 1/4 x 3 3/4". 42-2115 ... 25.95

Audio Source Control Center
(2) Great addition for your audio system—expands amplifier/receiver’s single auxiliary input to play from three stereo sources. 2 1/4 x 6 1/4 x 3 3/4". 42-2110, 14.95

PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS / TAPES NOT INCLUDED WITH ITEMS SHOWN ON THIS PAGE
### VHS Tapes

- **VHS T-120 Cassette**: Delivers up to 6 hours of recording time when your VCR is set on LP mode. Provides excellent recorded color stability and a consistently clear picture. **499**
- **Beta L-750 Cassette**: Up to 4½ hours recording time. **499**

### Beta Tapes

- **Beta -750 Cassette**: Up to 4½ hours recording time on LP mode. Long-life particle formulation—preferred for timeshift recording. **44-475**
- **Beta L-750 SUPERTAPE HG**: Incomparable recordings, play after play. Up to 4½ hours recording time. Was $6.99 in 1991 Catalog. **44-480**

### VHS C Tapes

- **VHS-C TC-20 SHG**: Super High Grade tape with exclusive formulation delivers brilliant, true-to-life colors—even after multiple recordings and playbacks. **699**
- **VHS-C TC-20 MHG**: Master High Grade cassette delivers superior results at regular and slow speed recording. Formulated for dramatic color, fine detail and improved sound. **699**

### 8mm Video Tapes

- **MP-120**: Metal particle formulation delivers outstanding images. Provides up to 4 hours recording time in LP mode. Was $9.99 in 1991 Catalog. **44-451**
- **HG-120**: The best performer! Produces 25% improvement in audio, image clarity over standard cassettes. Up to 4 hours. Was $11.99 in 1991 Catalog. **44-452**

### Automatic VCR Cleaning Systems

- **Our Best Cleaners**
- **For VHS and Beta**
- Wet nonabrasive system thoroughly cleans heads, capstans, pinch rollers and guides. With cleaning fluid. **VHS. 44-1148 Beta. 44-1149**
- **Wet/Dry VCR Cleaner**

### VCR Cleaning System

- **Our Better System For VHS Equipment**
- **Cleans Wet, Cleans Dry**
- **VCR Dry Cleaning System**

### 8mm VCR Cleaner

- **Restores A/V Quality**
  - Improves VCR recording and playback quality with each application. Includes fluid. Non-abrasive system. **44-1144**
  - **995**

### Bulk Tape Eraser

- **For Video and Audio Tape**
  - It works fast, erases cassettes completely. Also excellent for metal audio tape. UL listed. **395**

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More Than 200 Channels Of Entertainment! Something for Everyone!

Descrambler & Programming Package! Special Offer for Memorex Owners

Choosing and ordering the programming you want couldn’t be easier! Here’s a special offer from Satellite Source—a major supplier of satellite programming—exclusively for Memorex satellite receiver owners. You get the VideoCipher® II Plus descrambler module you need for receiving subscription services, plus a full year of great programming for one low price. Your package includes channels like CNN, A&E, Discovery, USA, Lifetime, The Nashville Network and regional superstations. And, you can opt for dozens more like ESPN, MTV, Family Channel, Nickelodeon and Satellite Sports Network, plus premium channels like HBO, Showtime, The Movie Channel, Cinemax and the Disney Channel. You'll save big compared with the rising cost of cable, and get movies and videos in stunning digital stereo that cable doesn't provide! Call TOLL-FREE for details: 800-477-1234

VideoCipher® II Plus is a registered trademark of General Instrument Corp.

Big 9-Foot Dish Offers All This!

- Horizon-to-Horizon Motorized Mount
- 12-Petal Perforated Aluminum Design
- Ku-Band Compatible
- Extra-Sturdy Mast

The Ultimate in Home Entertainment and Information!

NEW! Home Satellite System. Satellite gives you more! More entertainment for every member of the family. More sports for Dad, more movies for Mom, more programming for children and more up-to-the-minute news, weather and informational programming than cable. You decide what to watch, and when it's convenient for you. Unlike many systems, this one is really easy to use—just pick the name of the channel you want from the on-screen display, and the receiver does the rest. If you won't be home when your favorite program is on, just tell the Memorex receiver what time and channel the program is on, set your VCR’s timer to record and, when you return, the show is ready to enjoy whenever you have the time. With the parental-lock feature, you can black out channels you don’t want the kids to watch—just enter your private lock code. Designed for a do-it-yourselfer to install, or professional installation is available at competitive prices. Best of all, you’re buying from Radio Shack! Satellite dealers come and go, but our 7000 stores and 71 years of experience ensure we’ll be here for you!

Complete C-Band System Low As $61 Per Month

Memorex SR 2014 C/Ku Band Satellite Receiver. TSP available. 16-2511
9-Foot Perforated Sectional Antenna With Motorized Mount. 16-2508
Advanced 45° LNB. 950-1450 MHz output. 16-2512
Feedhorn. 16-2510
20 dB Inline Coax Signal Amplifier

- Cuts Loss From Splitters and Long Cable Runs
- With VHF Pass-Through

Superb signal amp from our Satellite Shack—boosts signals in 430-1450 MHz range. Installs inline or near antenna. With power injector, DC block module. 75 ohms. UL listed AC. 15-1115

Satellite Security Alarm

- Protect Your Satellite Investment
- Backup Battery in Case AC Fails

Loud built-in buzzer gives immediate warning if cable to your dish antenna is cut or disconnected. Use alone or with a home security panel. Connects indoors at receiver. UL listed AC. Backup requires 9V battery. 49-441

PROFESSIONAL INSTALLATION AVAILABLE THROUGH DIGITRON COMMUNICATIONS, INC.—COME IN FOR DETAILS
**5-Input, 2-Output Selector**

Directs RF signals from up to five different inputs to a TV for viewing, plus a VCR for recording or a second TV. Inputs for TV antenna, cable TV and VCR, plus two aux inputs. Pushbutton controls. $21/4 \times 7 \times 6\text{"}. 15-1266 $39.95

**Archer Dolby Surround™ Decoder/Amplifier**

Decodes the exciting surround sound channel on stereo video tapes, laser discs and many stereo-TV broadcasts, when connected to equipment with line-level stereo outputs. You can use the built-in 20-watt amp to power your front and rear speakers, or to power only your rear surround-channel speakers while using your existing stereo system to power the front speakers. Also synthesizes surround sound and stereo from mono sources, so you can enjoy the "theater" effect from almost any source. $3 \times 9\frac{1}{4} \times 9\frac{3}{4}\text{"}. UL listed AC. (TSP available) 15-1279 Low As $15 Per Month $129.95

**Camcorder/VCR Dubbing Processor**

Connects VCR to VCR for superior dubbing, or camcorder to TV for improved viewing. Separate audio gain and video enhancement controls ensure copies sound and look good. $1\frac{3}{4} \times 5\frac{3}{4} \times 3\frac{3}{4}\text{"}. UL listed AC adapter. 15-1955 $24.95

**Archer® 4-in-1 Super Video Processor**

Four-in-one processor helps you make the most of dubbing and editing. Variable enhancer preserves detail normally lost in dubbing, and noise reducer cuts picture graininess. Synthesizer creates stereo effect from mono sources. Comparator wipe lets you see before/after enhancements on split screen. Fader for synchronized audio/video fade-ins/outs. Color saturation, brightness and A/V source controls. $2\frac{1}{4} \times 11\frac{1}{4} \times 6\frac{1}{4}\text{"}. UL listed AC. (TSP avail.) 15-1276 Low As $15 Per Month $129.95

**Audio/Video Control Center**

Switches TV or VCR between camcorder, laser disc, satellite receiver or second VCR. Handles baseband (separate A and V) signals. Stereo compatible. Four inputs, one output. RCA connectors. $1\frac{1}{4} \times 5\frac{1}{2} \times 3\frac{3}{4}\text{"}. 15-1956 $24.95

**Amplified 5-Input, 3-Output Video Selector**

Ends cable swapping and simplifies video dubbing—lets you connect up to five video sources for viewing or recording with any combination of three TV/VCRs. Just push a button to select source and output. Inputs for antenna, cable, VCR and two aux sources. Three TV/VCR outputs. Signal is amplified 12 dB at antenna/cable-TV inputs for a superb picture. High isolation helps prevent interference between inputs. $75-ohm connectors. $2\frac{1}{4} \times 10\frac{3}{4} \times 6\frac{1}{2}\text{"}. UL listed AC. (TSP available) 15-2100 $79.95
Our Color Supreme Plus series is the best selling TV and FM antenna line in the USA. Our exclusive High-Definition/Stereo-Certified design visibly improves reception—makes colors "come alive" and sharpens black-and-white. High-Definition means you get performance that matches the improved picture resolution of the newer TVs now available. Stereo-Certified means you get the best possible sound from the hundreds of TV stations now broadcasting in stereo. You'll also get superior FM stereo. Built to withstand strong winds and heavy icing. Factory preassembled for easy installation—just snap open the elements and they lock into place. Get your new antenna today!

<table>
<thead>
<tr>
<th>Model</th>
<th>Range in Miles</th>
<th>Boom Length</th>
<th>No. of Elements</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VU-210</td>
<td>210 135 120</td>
<td>190&quot;</td>
<td>56</td>
<td>15-1647</td>
</tr>
<tr>
<td>VU-190</td>
<td>190 120 100</td>
<td>160&quot;</td>
<td>48</td>
<td>15-1646</td>
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<tr>
<td>VU-160</td>
<td>160 100 100</td>
<td>140&quot;</td>
<td>40</td>
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<tr>
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<td>15-1643</td>
</tr>
<tr>
<td>VU-90</td>
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<td>80&quot;</td>
<td>25</td>
<td>15-1642</td>
</tr>
<tr>
<td>VU-75</td>
<td>75 50 50</td>
<td>50&quot;</td>
<td>17</td>
<td>15-1641</td>
</tr>
</tbody>
</table>

*ESTIMATED RANGES, BASED ON RECEPTION OVER FLAT AND OPEN TERRAIN / MASTS NOT INCLUDED
ARCHER DELIVERS A BETTER PICTURE

**Turn to the Best Picture & Sound**

- **Aim Your Antenna by Remote Control To Get the Best TV/FM Reception**
  - Archerotor® System. Rotator precisely aims your antenna for the clearest signal from every station in range. Cuts ghosts, interference. Indicator on remote shows antenna direction. Fits 1\(\frac{1}{4}\) to 1\(\frac{3}{4}\)" dia. masts. UL listed AC. Requires 3-conductor cable below. (TSP available) **15-1225**

<table>
<thead>
<tr>
<th>Rotator Cable</th>
<th>No. Cond.</th>
<th>Feet</th>
<th>Cat. No.</th>
<th>Per Roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>50</td>
<td>15-1149</td>
<td>5.49</td>
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<tr>
<td>3</td>
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<td></td>
</tr>
<tr>
<td>5</td>
<td>100</td>
<td>15-1201</td>
<td>13.39</td>
<td></td>
</tr>
</tbody>
</table>

Note: 5-conductor cable for older model rotators.

**V-185 Swept Wing—Up to 185 Miles* VHF, 110 Miles* FM. Provides outstanding reception of channels 2 through 13 and FM stereo. Reinforced 160" cradle-boom, 34 elements. 15-1654**

**U-120 Corner Reflector Yagi—Up to 120 Miles* UHF. Delivers great pictures on previously hard-to-get channels 14-83. Heavy-duty 100" square boom resists high winds, 33 elements. 15-1662**

**U-100 Corner Reflector Yagi—Up to 100 Miles* UHF. Swept-wing design reflector concentrates signal to improve the long-range reception of channels 14-83. Has 25 elements, 80" square boom. 15-1661**

**U-75 Corner Reflector—Up to 75 Miles* UHF. Narrow pick-up pattern helps "tune-out" interference—ideal for urban and suburban reception of channels 14-83. Has 16 elements and 60" boom. 15-1660**

**Custom-Crafted VHF-TV/FM and UHF-TV Antennas Deliver Outstanding Reception**

- Specially Tuned for Precise Band Coverage
- Preassembled for Easy Do-It-Yourself Installation

**Convenient Window-Mount Antenna**

- For VHF/UHF-TV Channels 2-83 and FM Stereo
- NEW! Mounts to the window frame—perfect for apartments, condos and anyplace where a roof-mount antenna is not convenient or recommended. Factory preassembled, designed for easy installation and removal. 15-1656

**Compact Indoor/Outdoor TV Antenna**

- NEW! Highly efficient design delivers outstanding reception—boom is only 71" to fit attic or anywhere space is limited. For VHF/UHF/FM. 15-1655

**Portable Antenna**

- **NEW!** Built-in amplifier boosts TV and FM signals—perfect for pocket LCD TVs, portables. UL listed AC adapter. Amplifier requires 2 "AA" batteries for portable use. 15-1607

**Compact Amplified TV/FM Antenna**

- Pulls in Stations Up to 90 Miles* Away
  - Built-in preamp helps clean up weak signals and interference by boosting UHF gain up to 25 dB and VHF to 20 dB. Small enough for closet, attic or RV. With mounting hardware, instructions. UL listed AC adapter (or DC adapter, extra). 15-1611

**DC Adapter. 270-15345.79**

**Our Best Mobile VHF/UHF Antenna**

Sleek and aerodynamic, it's the ultimate mobile TV antenna. Mounts magnetically or permanently on roof or rear deck. Can be painted to match vehicle. With 14-ft. coax cable and 300-ohm matching transformer. 15-1608

**2**

**FM and FM Stereo Antennas**

- New Directional Outdoor—Up to 50 Miles*. For city or suburbs. Pulls in stations from all directions—360° pickup pattern. 15-1639
  - (2) Triple-Drive Directional—Up to 110 Miles*. High gain picks up distant stations clearly. Preassembled for easy installation. 15-1636

**Mobile VHF/UHF Antenna**

- Window/Gutter Mounting
  - Enjoy your favorite TV shows while traveling. Heavy-duty fiber glass dipoles outperform built-in antennas. For channels 2-83. Install/remove in seconds. With mounting hardware. 15-1609

**NEW!**

- Estimated ranges, based on reception over flat and open terrain / masts not included
WE MAKE ANTENNA INSTALLATION EASY!

Quality Antenna Hardware—Big Selection at Low Prices
Mast Mounts for Roof, Eave, Vent Pipe and Wall

(1) Base and Roof Mount. Mast locks into exclusive-design U-bolt. Swivel base will accommodate the slope of virtually any roof. Heavy-gauge steel construction assures a trouble-free installation. With instructions. 15-889 6.99

(2) Vent Pipe Mount. An excellent alternative to chimney mounting. Attach brackets to vent pipe, then clamp mast into place. Attaches to 2" to 5" vents. Heavy-duty steel construction. With instructions. 15-893 5.95

(3) Mast Anchor Universal Mount. The low-cost solution for many antenna installations. Heavy-duty U-bolt accepts mast up to 1 1/2" in diameter. (Mast must be guyed for roof and window installations.) 15-888 2.79

(4) 12" Wall Mounts. Secures a mast of up to 1 1/4" diameter at 12" from the side of building. Allows mast to clear eave or other obstruction. Galvanized steel. 15-885 Pair 11.99

(5) 8" Wall Mounts. Holds mast of up to 1 1/4" diameter at 8" from side of building. 15-886 Pair 9.95

(6) 4" Wall Mounts. Holds mast of up to 1 1/4" diameter at 4" from side of building. 15-883 Pair 4.49

(7) Eave Mount for Hanging Rafters or Trim Boards. Ingenious alternative to roof and chimney mounting. Fits virtually all medium-pitch roofs. Accepts mast up to 1 1/2" diameter. Installs with four included lag bolts. 15-891 9.95

Everything in Mast Mounts for Chimney and Roof

(1) Chimney Ratchet Mount. Provides a secure mounting to chimney. Tightens with screwdriver. Set includes two stainless steel straps, each 3/4" x 18 feet. Fits larger chimneys. Accepts antenna mast from 1" to 1 1/4" diameter. 15-839 17.95

(2) Corner Mounts. For chimney mounting. Two Y-mounts with 5/8" x 10-foot, rust-resistant galvanized straps. 15-527 10.95

(3) Strap Kit. Two 25-foot stainless straps for replacement or add-on use. Fits oversized chimneys. 15-801 12.95

(4) 3-Foot Tripod Mount. Super-sturdy mount is ideal for larger antennas and in areas subject to frequent strong winds. Fits slope of most roofs. Accepts mast up to 1 1/4" diameter. Preassembled for easy installation. 15-516 15.95

Antenna Guy Wire and Hardware

<table>
<thead>
<tr>
<th>Fig</th>
<th>Description</th>
<th>Cat. No.</th>
<th>Each</th>
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<tbody>
<tr>
<td>1</td>
<td>50-Feet Galvanized Wire</td>
<td>15-030</td>
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<td>1</td>
<td>100-Feet Galvanized Wire</td>
<td>15-031</td>
<td>2.70</td>
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<td>2</td>
<td>Guy Wire Anchors</td>
<td>15-825</td>
<td>1.19</td>
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<tr>
<td>3</td>
<td>Guy Wire Turnbuckles: 6&quot; open, 4&quot; closed</td>
<td>15-829</td>
<td>1.60</td>
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<tr>
<td>4</td>
<td>U-Bolt and Clamp</td>
<td>15-828</td>
<td>1.19</td>
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<tr>
<td>5</td>
<td>Guy Wire Clamps</td>
<td>15-850</td>
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<td>6</td>
<td>2 U-Bolts With Nuts</td>
<td>15-830</td>
<td>1.19</td>
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<tr>
<td>7</td>
<td>1 1/4&quot; Guy Ring and Collar</td>
<td>15-835</td>
<td>1.49</td>
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<td>8</td>
<td>Set of 4 Hex Lag Bolts: 1/4&quot; x 2 1/2&quot; for Heavy-Duty Mounting</td>
<td>15-833</td>
<td>.99</td>
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<td>9</td>
<td>Guy Wire Mast Clamp With Bolts</td>
<td>15-827</td>
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Standoff Insulators

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<tr>
<td>1</td>
<td>4 Wood Screw, 3 1/2&quot;</td>
<td>15-853</td>
<td>.99</td>
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<tr>
<td>2</td>
<td>4 Wood Screw, 6 1/2&quot;</td>
<td>15-854</td>
<td>1.19</td>
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<td>3</td>
<td>Masonry Type</td>
<td>15-820</td>
<td>1.19</td>
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<tr>
<td>4</td>
<td>2 Snap-Grip Type</td>
<td>15-822</td>
<td>.99</td>
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<tr>
<td>5</td>
<td>2 Strap-On Type</td>
<td>15-823</td>
<td>.99</td>
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Heavy-Duty Masts

5-Foot. 18-gauge steel, enamel finish. Swaged (tapered) end. 1 1/4" dia. 15-842 5.95

10-Foot Heavy-Duty Mast. 15-843 10.49

Light-Duty Mast

5-Foot. 20-gauge steel. Enamel finish. For attic or smaller antennas. 15-844 4.68

SHOP YOUR NEARBY RADIO SHACK FOR EVERYTHING IN TV AND VIDEO ACCESSORIES
CHOOSE ARCHER FOR A BETTER PICTURE

Lead-In Cable, Grounding Equipment and Hardware for Your Antenna Installation

(1) **VHF/UHF 300-Ohm Foam Cable.** Our best! Low loss, excellent for all reception areas. Has 20-gauge copper conductors and a dense polyethylene jacket. 50 Feet: 15-1174 $5.29 100 Feet: 15-1175 $9.49

(2) **Economy VHF/UHF 300-Ohm Cable.** Indoor use. 40 Feet: Brown, 15-004 $2.29 40 Feet: Clear, 15-1158 $2.29

(3) **50 Feet Standard 300-Ohm Twin-Lead.** Seven-strand, 22-gauge conductors. Indoor/attic use. 15-1153 $3.59

(4) **8-Foot Twin-Lead Cable.** 15-1532 $2.29

(5) **Antenna Discharge Unit.** For outdoor antennas using 300-ohm lead-in. UL listed. 15-910 $3.49

(6) **Grounding Block.** Prevents equipment-damaging static buildup in 75-ohm lead-ins. 15-909 $2.59

(7) **"Wall-Thru" Lead-In Tube.** Grommet seals out weather. For walls up to 13" thick. 15-1200 $2.79

(8) **Aluminum Ground Wire.** Protects against static buildup in rooftop antennas. 40 feet: 8 gauge. Use with ground rod (Fig. 9). 15-035 $3.59

(9) **UL Listed 8-Foot Ground Rod and Clamp.** Copper plated for high conductivity. Meets all applicable electrical codes. 15-529 $15.95

(10) **Economy Ground Rod.** 4 feet long. 15-530, $3.89

(11) **TV/FM Antenna Clips.** For instant, solderless connection and disconnection of 300-ohm lead-in cable at back of set. Excellent for temporary connections or service work. Insulating plastic handles. Screw terminal connectors. 15-832 $1.49

(12) **Coax Nail-In Clips.** For a neat, professional installation. Weather-resistant clips secure 75-ohm coax cable. Ideal for fastening coax cables along outside trim or interior baseboards. 20-192 $0.99

(13) **Coax Feed-Through Bushing.** For a neat installation of coax cable through walls. For RG59 Cable. 278-1643 $0.99

Archer® Replacement AC Power Cords, TV/FM Wall Plates, Plugs and Connectors

(1) **TV AC Power Cord.** Six feet long. 15-011 $1.39
(2) **Polarized AC Power Cord.** 15-012 $1.39

(3) **Private TV Listener.** Fits 3/8" jack. With earphone, remote volume control, 15-ft. cord. 15-587 $4.29

(4) **Wall Plate for 75-Ohm Coax.** 15-1180 $4.29

(5) **Wall Plate for 75-Ohm Coax and Rotator.** 5-wire rotator outlet. Includes plugs. 15-1181 $4.99

(6) **Wall Plate for 75-Ohm Coax and Phone.** Has standard modular phone jack and a gold-plated 75-ohm coax connector. 15-1185 $5.95

(7) **Baseboard-Mount 75-Ohm Coax Connector.** With installation hardware. 15-1182 $3.29

(8) **Woodgrain 75-Ohm Wall Plate.** 15-1183 $4.49

(9) **75-Ohm Dual-Outlet Wall Plate.** 15-1184, $4.69

(10) **Flush-Mount TV Wall Plate.** For one 300-ohm lead-in. With mounting bracket and plugs. 15-1186 $2.39

(11) **TV/Wall-Socket Plugs.** For 300-ohm lead-in plate. Fit Fig. 9. 15-1178 $0.99

Archer Selector Switches for TV Video Games

(1) **300-Ohm TV Switch.** Lets you use a video game with your TV without reconnecting each time. Accepts 300-ohm TV antenna lead-in. Has 300-ohm TV output. 15-1255 $4.29

(2) **300/75-Ohm Antenna Input Switch.** Switch easily between TV antenna and video game. Has 300-ohm TV output. Accepts 75-ohm or 300-ohm antenna lead-in. 15-1265 $4.29

(3) **300/75-Ohm Signal Splitter/Switch.** Built-in signal splitter. Provides 300-ohm output for UHF, 75-ohm output for VHF. 15-1268 $6.29

(4) **Automatic TV/Game Switch.** With 75-ohm TV antenna input, 75-ohm TV output. Ideal for use with Nintendo® TV game (TM Nintendo of America Inc.) 15-1267 $8.99

(1) **TV/FM Antenna Clips.** For instant, solderless connection and disconnection of 300-ohm lead-in cable at back of set. Excellent for temporary connections or service work. Insulating plastic handles. Screw terminal connectors. 15-832 $1.49

(12) **Coax Nail-In Clips.** For a neat, professional installation. Weather-resistant clips secure 75-ohm coax cable. Ideal for fastening coax cables along outside trim or interior baseboards. 20-192 $0.99

(13) **Coax Feed-Through Bushing.** For a neat installation of coax cable through walls. For RG59 Cable. 278-1643 $0.99

Archer 300-Ohm Splitters and Couplers

(1) **Two-Set Indoor/Outdoor Splitter/Coupler.** Splits 300-ohm lead-in to drive two TVs or couples two antennas to one 300-ohm lead-in. 15-1135 $3.99

(2) **Two-Set VHF/UHF Combiner/Splitter.** 300 ohms. 15-1137 $3.99

(11) **Plug and Socket.** For 300-ohm lead-in connections. Ideal for splicing and extending a 300-ohm cable indoors. 15-1198 $1.39

RADIO SHACK IS AMERICA'S LARGEST CONSUMER ELECTRONICS CHAIN—7000 LOCATIONS NATIONWIDE
### Distribution Amplifier
- Drives Up to Four Sets
- Delivers Typical Gain of 14 dB VHF, 13 dB UHF

Cuts VHF/UHF/FM signal loss caused by sharing signal among several TV sets or by long antenna cable runs. Switchable trap cuts FM interference. 75-ohm input/output. Adjustable from 10 to 20 dB gain. UL listed AC. **$31.95**

### TV/FM Hi-Gain Signal Amp
- Delivers Typical Gain of 25 dB VHF, 20 dB UHF

Outdoor amp mounts on mast near antenna for purest, strongest signal. Remotely controlled FM trap cuts interference. Gain adjustable over 10 to 20 dB range. 75-ohm output and F-connectors. UL listed AC. **$35.95**

### Cable TV Amplifier
- 70 Channels
- Drives Up to Four Sets

Perfect for strengthening signal on installations with long cable runs. Adjustable 10-20 dB gain. Can be used with hybrid splitters (see #15-1142 below) to drive up to four TVs or VCRs. UL listed AC. **$24.95**

### TV/FM Filters, Attenuator and Coaxial FM Trap
1. **VCR/TV/FM Hi-Gain Signal Amp**
   - Delivers Typical Gain of 25 dB VHF, 20 dB UHF
   - Outdoor amp mounts on mast for purest, strongest signal.
   - Remotely controlled FM trap cuts interference.
   - Gain adjustable over 10 to 20 dB range.
   - 75-ohm output and F-connectors. UL listed AC. **$35.95**

2. **TV/FM Filters, Attenuator and Coaxial FM Trap**
   - **VCR/TV/FM** Cuts CB/Ham interference. Hi-pass LC (inductive capacitive) filter at 75-ohm coaxial input of VCR, TV or FM, 54-900 MHz. **$4.29**
   - **Coaxial Inline FM Trap** For 75-ohm line. Cuts interference from strong FM radio stations on TV or VCR to reduce "herringbone" pattern. **$3.69**
   - **75-Ohm Attenuator** Reduces strong signal overload on TV or VCR. Connects inline to coaxial cable. **$6.39**
   - **TV Static/Noise Filter** Reduces or eliminates appliance, motor or neon light interference. Attaches to 300-ohm terminals. **$4.29**

### Splitters/Combiners and Matching Transformers
1. **VCR/TV Splitter/Combiner** 300/75-ohm inputs, 75-ohm output. **$3.79**
2. **300-Ohm Splitter** As above, but only 300-ohm inputs. **$3.79**
3. **Hybrid Splitter/Combiner** Splits 75-ohm coax cable to two VHF/UHF outputs. F-connectors. Reversible. **$4.99**
4. **Four-Set Splitter** As above, but with four outputs. **$6.95**
5. **Transformer/Splitter** 75-ohm input for coax from antenna or VCR. Three 300-ohm outputs to VHF, UHF, FM. Indoor use only. **$4.99**
6. **Matching Transformer** 75-ohm to 300-ohm. **$2.99**
7. **Indoor/Outdoor Matching Transformer** Matches 300-ohm antenna to 75-ohm coax downlead. Reverse for back-of-set use. Weather-resistant boot. **$2.79**
8. **Antenna-Mounted Matching Transformer** As above, with special clip for attaching to antenna boom. Weather-resistant boot. **$3.99**

### Coax Cable, Connectors and Adapters
- **Mini-Tv Antenna Cable**, 6 Ft. **$4.95**
- **75-Ohm Coax**
  - 16 Ft., White **$6.19**
  - 8 Ft. **$3.59**
  - 4 Ft. **$2.79**
- **F-81 Coupler** Female F/Female F **$1.99**
- **Right Angle Coupler** Female F/Male F **$1.29**
- **Adapter** Female F/Male F **$2.79**

** Prices apply at participating Radio Shack stores and dealers. **
(1) VCR/TV Signal Splitter. One 75-ohm input. One 75-ohm output for VHF, 300-ohm outputs for UHF and FM. 15-1525 .......................... 4.99
(2) VCR/TV Signal Splitter With 6-Foot Cable. 75-ohm input, 300-ohm outputs for UHF, VHF and FM. F-type connectors. 15-1524 .......................... 6.19
(3) VCR/TV Signal Splitter. 300-ohm output. One 75-ohm input. Outputs for 300-ohms and 75 ohms. F-type connectors. 15-1298 .......................... 4.99
(4) VCR/TV Signal Splitter. 75-ohm input. 75-ohm VHF and FM. 15-1251 .......................... 4.99
(5) VCR/TV Signal Splitter With 6-Foot Cable. One 75-ohm input. Outputs for 300 ohms and 75 ohms. F-type connectors. 15-1522 .......................... 4.99
(6) Terminating Resistor. F-type, 1-2 watt, 75 ohms. Terminates unused outputs of splitters, coax wall plates and distribution amps to prevent interference and ghosts. 15-1144 .......................... Pkg. 2/1.19
(7) 75-Ohm DC Block. Protects your video equipment against DC voltages from line-powered equipment. 15-1259 .......................... 1.49
(8) Inline 6 dB Attenuator. 75-ohm. With female F-connector on each end. Works to reduce or eliminate interference caused by excessive signal strength. 15-1258 .......................... 2.29
(9) Inline 6 dB Attenuator. As above, but with male F to female F-connector. 15-1257 .......................... 2.29
(10) Mini A/B Video Switch. Two 75-ohm inputs, one 75-ohm output. Switches TV set between any two of antenna, cable, VCR, laser disc, satellite. Reversible. 15-1247 .......................... 4.99
(12) A/B High-Isolation Video Switch. Helps prevent strong input signals from interfering with each other. Works to reduce or eliminate interference caused by excessive signal strength. 15-1247 .......................... 6.99

Cables, Connectors and Adapters
For Audio and Video Hook-Ups

<table>
<thead>
<tr>
<th>Fig.</th>
<th>Description</th>
<th>Cat. No.</th>
<th>Each</th>
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<tr>
<td>1</td>
<td>2-Foot Coax Cable, Male Push-On Connectors</td>
<td>15-1531</td>
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<td>2</td>
<td>2-Foot VCR A/V Cable, Phono Connectors</td>
<td>15-1532</td>
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<td>6-Foot VCR A/V Cable, Phono Connectors</td>
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<td>14-Foot VCR A/V Cable, Phono Connectors</td>
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<td>6-Foot Stereo A/V Cable, 3 Phono at Each End</td>
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<td>12-Foot Stereo A/V Cable, 3 Phono at Each End</td>
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<td>Dual 24-Foot A/V Cables, Phono Connectors</td>
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<td>Adapter, Male F-Connector to Phono Plug</td>
<td>278-253</td>
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<td>Adapter, Male F-Connector to Female Phono Jack</td>
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<td>10</td>
<td>Adapter, Female F-Connector to Phono Plug</td>
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Gold-Plated Plugs

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<td>6</td>
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<td>RCA Plug (Video Dubbing Cable Set—Stereo to Mono)</td>
<td>15-1521</td>
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</table>

Premium-Quality Gold-Plated A/V Dubbing Kit

True, accurate dubs. Includes four adapters and 6-foot cable with phono plugs on ends. 15-1523 .......................... 12.95

Kit With Chromium-Plated Plugs. 15-1525 .......................... 6.95

SHOP YOUR NEARBY RADIO SHACK FOR EVERYTHING IN TV AND VIDEO ACCESSORIES
Stop Juggling Remotes! Get a Universal Remote to Control Your Entire System

Preprogrammed 4-in-1 Remote. No complicated setup—just enter the 3-digit code for your particular component from the included list. Replaces lost or broken remote controls for all of Radio Shack's audio and video components and many other brands. Lets you control up to four audio, video or satellite components in any combination. It's the easy way to take command of your audio/video system—get yours today! Requires 4 "AAA" batteries. (TSP available) 15-1904  $39.95

Programmable 8-in-1 Remote. Controls eight components, works with almost any IR-remote equipment. You can simplify operation by combining steps from existing remotes into a single key—up to 48 steps for each of 38 command keys—and even program 16 sequences to auto-activate on a daily, weekly or one-time basis. Stores 32 channels per component, shows time, day, date. Requires 4 "AA" batteries. (TSP available) 15-1903, Low As $15 Per Month  $99.95

Realistic® Model 150. Ends clutter and confusion, and is perfect for smaller A/V systems. Learns and reproduces the commands of up to four separate IR remotes. Just place it in "learn" mode, align it with your component's existing remote, press the matching buttons, and it's ready to control any combination of VCR, TV, cable box, satellite system and stereo system or CD player. Has nine VCR function keys, plus up/down volume and channel scan. Requires 4 "AAA" batteries. (TSP available) 15-1902  $49.95

Video Signal Amplifiers For Clearer Pictures

(1) Video Amplifier/Enhancer. Boosts base-band video signal for better picture from VCR, laser disc, satellite receiver or other video output. UL listed AC. 15-1102  $19.95

(2) Three-Set Audio/Video Distribution Amplifier. Amplifies and splits video signals for a stronger signal to each set—helps prevent loss from long cable runs. Drives up to three audio/video components. UL listed AC. 15-1103  $29.95

Remote Video A-B Switch

NEW! Archer® IR Remote Video Switch. Lets you plug in two 75-ohm video sources, then switch between them without getting up from your chair. Switch between any two of VCR, laser disc, satellite, cable or broadcast TV—no swapping cables, keying in long remote sequences or messing up current settings on either unit. High-isolation design prevents interference between sources. UL listed AC. (TSP available) 15-1957  $39.95

UNIVERSAL REMOTES AND REMOTE CONTROL SYSTEMS ARE COMPATIBLE WITH RADIO SHACK EQUIPMENT AND MOST OTHER BRANDS
MULTIPLY YOUR VIDEO ENTERTAINMENT

Video Distributor Beams VCR or Cable Signal to TV in Any Room

- No Wires to Run—Transmits Through Walls

NEW!
Watch what you want—where you want! Wireless system lets you watch a program from your VCR, laser disc, cable box or satellite receiver—or even monitor a security camera—on a TV in another room. Transmitter installs between video source and main TV, sends signal to main TV and to receiver unit plugged into a TV in another room. Has two transmitting frequencies for best possible results, plus antenna pass-through and switchable base-band/RF inputs. Extra receivers available on special order (CMC). UL listed AC. (TSP available) 15-1958 . . . . . . Low As $15 Per Month

Archer® Whole-House Wired Video Distribution System

Sends signals from your cable box, VCR and satellite system or antenna to every TV in the house—and every viewer can choose the source and program they want using the TV's tuner. A single coaxial cable runs from the system to up to three TV sets, and you can add splitters to hook up even more TVs. Each of the three outputs is amplified for best reception, even in far-away rooms. Works with all standard TV receivers. Quick, easy hookup with coax cable, or use existing coax in prewired homes. UL listed AC. (TSP available) 15-1290

Archer VCR Multiplier—Use One VCR for Two TVs

Inexpensive system lets you share a single VCR with a second TV, or use VCR on one set while viewing TV on the other. There's no hassle of moving or reconnecting your VCR, and you can even use your existing IR remote to control your VCR from any room that has an Archer multiplier receiver. System includes transmitter, receiver, cables and ultrathin connecting wire for easy hookup in minutes. Extra receivers available on special order (CMC). UL listed AC. (TSP available) 15-1953

70-Channel Cable-TV Converter Box With Full-Function Wireless IR Remote Control

Don't rent a cable company box—buy your own. Our converter works with all cable systems, and can pay for itself in installation and rental fees in no time. Scan or direct-entry tuning, last-channel flashback and 90-minute sleep timer. Channel 3 or 4 output. With patch cable and splitter. Remote requires 9V battery. (TSP available) 15-1287 . . . Low As $15 Per Month
Our Best Amplified Antenna

NEW! Color Supreme® 200. Built-in amp boosts weak TV and FM stereo signals up to 20 dB, adjusts for strong or weak signals. UL listed AC. 15-1831 59.95

Amplified TV/FM Antenna

Color Supreme V. Strengthens VHF/UHF and FM stereo signals up to 12 dB. Adjustable elements. Normal boost switch prevents signal overload. UL listed AC. 15-1830 45.95

TV/FM With Phasing Control

Color Supreme III. Cuts ghosts and snow, improves FM stereo—even in poor signal areas. Phasing control sharpens VHF/UHF picture, 12-position fine-tuning. 15-1824 29.95

VHF/UHF/FM With Rotating Elements

Color Supreme II. Rotary control orients UHF elements without turning the entire assembly, for clearest reception on channels 14-83. Twelve-position fine-tuning control for optimizing each channel. Greatly improves VHF and FM reception, too. 15-1816 24.95

Amplified FM Stereo Antenna

Connect to your receiver for dramatically improved FM stereo reception. Boosts signal up to 6 dB. Fine-tuning control helps pull in hard-to-get stations. Hi/lo-gain switch to avoid overload. LED power-on indicator. Includes matching transformer for connection to 300-ohm terminals. UL listed AC. 15-1828 24.95

VHF/UHF/FM Budget Antenna

Color Eagle® 100. Pulls in better color and black and white than built-ins. Has adjustable UHF elements for more precise signal tuning, plus 12-position rotary fine-tuning control for optimum VHF/FM reception. May be wall-mounted. 15-1808 19.95

VHF/UHF/FM Indoor

NEW! Color Eagle. Adjustable UHF reflector dish. Twelve-position fine-tuning assures best VHF/FM reception. 15-1807 15.95

Deluxe VHF/UHF

Features a multiposition fine-tuning control for improved color and B&W TV reception. Installs quickly with screwdriver. 15-1818 10.95

Budget VHF/UHF

Sharpen your TV signal reception at low cost. Has telescoping dipoles, UHF loop and 12-position fine-tuning knob. Easy hookup. 15-628 8.95

UHF Bow Tie

Twin gold-colored elements deliver superior reception on channels 14-83. Sits upright on TV set. With no-mar vinyl feet. 15-623 14.95

UHF Antennas

Loop. Improves channels 14-83. 15-233 1.19
Bow Tie. Snaps on a VHF rod antenna for better UHF reception. 15-234 2.19

Back-of-Set VHF

Mounts Out-of-Sight Behind TV Set
Replace your TV's built-in antenna and start enjoying better reception today. Installs easily in minutes with just a screwdriver. Improves reception of TV channels 2 through 13. Telescoping 30° dipoles with swivel adjustment. Complete with VHF leads. 15-1804 9.95

Indoor FM Antenna

Stereo Supreme™. Enhances FM stereo, cuts drift and noise, pulls in weak stations, improves selectivity and channel separation. Fine-tuning control assures best possible signal pickup. Telescoping dipoles. 15-1822 12.95

Indoor VHF/UHF/FM Antenna Amplifier

Converts any indoor antenna to an amplified antenna. Gain, 10 dB. Separate VHF/UHF in/output leads. Power-on LED. UL listed AC. 15-1104 19.95

RADIO SHACK IS AMERICA'S BEST AND BIGGEST ELECTRONICS CHAIN—NOBODY COMPARES
Infrared Motion Alarm System
Sensitive alarm detects motion and body heat within a 20 x 30-foot "cone of protection." Walk-test LED helps define protection area. Alarm resets after 5 minutes. Has entry/exit delay. Terminals for adding external alarm, remote arm/disarm switch and security dialer. 3 7/8 x 10 1/2 x 8 1/4". Automatic backup requires 8 "C" batteries. UL listed AC. (TSP available) 49-308 Low As $15 Per Month 99.95

Infrared Photorelay Alarm/Announcer
Receiver/transmitter fires an invisible beam of light to reflector (up to 50 feet away). Buzzer sounds if beam is interrupted to serve as an alarm or as an announcer. LED test alignment indicator and sensitivity control. Easily add a battery backup (requires 12V lantern type), strobe light, siren or auto-dialer. May be used with a central alarm system. 4 7/8 x 3 x 7 3/4". UL listed AC. (TSP available) 49-310 69.95

Door Alarm and Entry Chime
Built-In Security Code
Armed With Keyboard Code
Timed Entry/Exit Delay
No Wiring Required
Provides an inexpensive alarm protection for your home or office. Has a built-in loud, piercing alarm to warn against intruders, plus a pleasant-sounding chime that announces a visitor's entry. Change three-digit security code as needed. Simple do-it-yourself installation. Magnetic trigger for alarm switch and all mounting hardware included. 6 7/8 x 2 1/4 x 1 1/4". Requires 9V alkaline battery. 49-422 24.95

Home Smoke Alarm
Keeps your home and family safe. Sensitive detector responds to any smoke or invisible products of combustion by sounding built-in alarm. Pushing "test" button silences alarm. If smoke or fire is still present, unit will beep every minute. Heavy smoke overrides the reset to sound continuously. Use several for maximum safety. 5 1/4" dia. x 2". With hardware. Includes 9V battery. UL listed. 49-458 15.95

Personal/Home Security Devices
(1) Electronic Door or Window Alarm. Mounts quickly with screws or double-sided tape. Key-operated on/off switch. Entry/exit delay. 5/8 x 2 1/4 x 1 1/4". Requires 9V alkaline battery. 49-421 11.95
(2) Motion-Sensing Alarm. Auto-resets after one minute. 4 7/8 x 2 1/4 x 1 1/4". Requires 9V alkaline battery. 49-419 11.95
(3) Powerhorn Jr. Alarm for Window/Door. Protect yourself and your home! Loud built-in alarm. Complete with mounting hardware and 2-sided tape. Requires 2 "AA" batteries. 49-494 36.95
(4) Drawer/Cabinet Alarm. Light-sensitive. Alarm beeps whenever drawer is opened. Requires 9V battery. 49-615 6.95

SATISFACTION GUARANTEED AT RADIO SHACK—NOBODY COMPARES
Burglar and Fire Alarm Control Center

Protect yourself and your home with this easy-to-install perimeter/interior alarm and fire detection system. The control center's four independently operated trigger "loops" permit selectable zones of protection. A supervised, 24-hour alarm protection loop alerts you of smoke or fire instantly. An additional around-the-clock protection loop can be connected to alert you of entryway tampering. The control panel has LED indicators for battery strength, individual loop status, full system armed/disarmed report and for AC power on. Or hook up a panic button to sound alarm whether system is armed or not. Variable entry delay up to 40 seconds and exit delay up to 45 seconds. Magnetic switches, smoke, temperature, motion and other sensors may be added anytime. The system can activate an emergency phone auto-dialer. Transformer reduces 120VAC to 12VDC for safety. 13 x 9½ x 3¾". UL listed AC. Backup requires two 6V batteries. (TSP available) 49-470

6V Rechargeable Battery. For above. 23-181 Each 10.95

Burglar Alarm Control Center

"Pro" perimeter protection! Add key locks, magnetic contacts, vibration and glass-breakage detectors, motion sensors, sirens and strobes to custom-design your security system. Two alarm "loops"—one instant, one with adjustable 0-45 second entry/exit delays. Accepts up to 10 arm/disarm key switches. 24-hour panic switch circuit. Transformer plugs into 120VAC, steps down to 12VDC for safety. Automatic battery backup in case of power failure. Front-panel LED loop status indicators. Power-on and arm/memory LEDs assure system is armed and ready. Loop indicator shows if any window or door is unprotected. Includes battery and bell-test buttons. 117½ x 8½ x 3¾". UL listed AC. Backup system requires two 6V batteries. (TSP available) 49-450

6V Rechargeable Battery. For above. 23-181 Each 10.95

Smoke and Heat Detectors

(1) Smoke Sensor. Monitors for smoke or combustion particles. Simple four-wire hook-up. Powered by either Control Center, above. Built-in alarm. 5½" diameter x 2". UL listed. 49-481

(2) 135° Heat Sensor. For use in areas not suited for smoke sensor. 49-482

These sensors work only with 49-470 or similar system

Infrared Motion Sensor

NEW! Infrared sensor detects intruders by sensing body heat—instantly alerts Control Center. Dual-element design extends coverage zones and helps prevent false alarms. Gimbal mounting allows wall or ceiling installation. Programmable pulse counter. High-immunity to RF disturbance fields from 30 to 1000 MHz. LED on/off switch. Gain adjusts from 1/2-1. With mounting hardware. Requires 12VDC at 20mA. UL listed. 49-550

Infrared Photorelay Sensor

One-piece receiver/transmitter is an important part of any customized home security system. Projects an Invisible, pulsed beam of infrared light to the reflector which you can place up to 30 feet away, such as across a doorway, garage door or other entranceway. When beam is broken, the sensor instantly alerts your alarm system. Includes all mounting hardware and easy-to-follow instructions. Requires 12VDC at 60mA from your alarm system. UL listed. 49-551

120

RADIO SHACK—OVER 71 YEARS OF VALUE, SERVICE AND RELIABILITY—NOBODY COMPARES!
YOU CAN CUSTOMIZE YOUR ALARM SYSTEM

Security Auto-Dialer

Protect your loved ones. Dialer can be triggered by an alarm system or by the touch of a button. Automatically dials up to three phone numbers in sequence and plays your pre-recorded message to alert police, fire, physician or anyone you choose in an emergency. Large, easy-to-find “panic” button. Monitor switch, built-in mike, message-is-playing and battery-check LEDs. Battery backup system in case AC power fails. Works on any pulse or tone line. UL listed AC. Backup requires 3 “AA” and 4 “C” batteries. FCC registered. 2¾ x 9 x 6¾”! 49-433, Low As $15 Per Month

Use may be regulated by state or local law

Door and Window Contacts

<table>
<thead>
<tr>
<th>Fig.</th>
<th>Description</th>
<th>Cat. No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Door/Window Switch (N.C.)</td>
<td>49-495</td>
<td>3.59</td>
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<tr>
<td>2</td>
<td>Door/Window Switch (N.O.)</td>
<td>49-512</td>
<td>5.19</td>
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<td>3</td>
<td>Spacers (for above)</td>
<td>49-519</td>
<td>3.99</td>
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<td>4</td>
<td>Press-Fit Switch (N.C.)</td>
<td>49-505</td>
<td>5.99</td>
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<tr>
<td>5</td>
<td>Concealed Magnetic Switch</td>
<td>49-496</td>
<td>3.99</td>
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<tr>
<td>6</td>
<td>Wide-Gap Switch (N.C.)</td>
<td>49-499</td>
<td>6.29</td>
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<tr>
<td>7</td>
<td>Threaded Magnet Switch</td>
<td>49-503</td>
<td>6.99</td>
</tr>
</tbody>
</table>

Foil, Contacts and More

(1) Foil. Connects to alarm and glass. Self-adhesive 120-foot x ¾ inch roll. 49-502
(2) Self-Adhesive Foil Connectors. Ideal for professional-type installation. UL listed. 49-504
(3) Foil/Vibration Sliding Window/Door Contact. Mount half on door or window, other half on frame. Allows normal door/window use. UL listed. 49-518
(4) Glass Breakage Detector. Protects up to 32 square feet of glass. For use with open or closed circuits. Easy hookup. UL listed. 49-516

Alarm System Accessories

(1) Panic Switch. Normally open (unpressed). UL listed. 49-517
(2) Contact Switch. For window or door frame. Normally closed (pressed). With hardware. UL listed. 49-513
(3) Tamper Switch. Normally open (pressed). UL listed. 49-528
(4) Jumper Cord. Perfect for adding protection to doors with decorative glass. 49-548
(5) Vibration Detector. Adjustable sensitivity. For normally closed loops. UL listed. 49-521

Strobe Light, Decals, Wire and Interface

(1) Strobe Light. Helps emergency vehicles find your home. Requires 12VDC at 0.2 amp. 49-527
(2) 2-Conductor Stranded Alarm Wire. 22-gauge. UL listed. 7.99
(3) 300 Feet, 278-863
(4) Warning Decals. Vinyl adhesive. 49-507
(5) Universal Plug 'n Power® Interface. Expands the capability of your alarm system (see pages 122-123). UL listed AC. Available by special order (CMC) 61-2687

SALE AND/OR USE OF MOBILE SIRENS IS PROHIBITED IN CALIFORNIA AND CERTAIN OTHER STATES
LET PLUG 'N POWER MAKE LIFE EASIER

Wireless Remote Control
And Light Dimmer System

Use the remote to turn lights on/off and dim/brighten them—even turn on house lights as you enter your driveway. Plug-in receiver has one 15A outlet for lamp or appliance. Add plug-in modules, shown on next page, to remote-control up to 16 sets of devices. Remote requires 4 "AAA" batteries. (TSP available) 61-2676

Extra Remote. (CMC) .................. 19.99

Supervised Security/Remote Control System

(1) Incredible Value—Actually Two Systems in One! You get pro-quality supervised security and convenient remote control—all with fast no-tools installation. Operation couldn’t be easier. Press one button on the handheld remote to arm and disarm the security system. Press another to turn lamps on and off. You can use the remote anywhere in or around your home.

Helps Keep Burglars Out. When an intruder opens a protected door or window, this system responds with a super-loud 85 dB siren. But that’s not all. The lamp you’ve plugged into the included module flashes on and off to attract attention. The combination of pulsing light and screaming siren will frighten away the most determined intruder! You can add modules to flash more inside and outside lights and extra sirens.

Professional-Quality Supervised Protection at Low Cost. Door/window sensors are supervised. They check themselves automatically and report to the receiver. LEDs tell you if a battery is weak or if you’ve left a window or door open. For whole-house perimeter protection, you can add door/window entry sensors and motion detectors wherever you need them.

The Basic System Includes remote, receiver/siren, one door/window sensor and one plug-in lamp module. You can expand anytime with accessories, below, and modules shown on the next page. Remote, door/window sensor and receiver memory backup each require 9V battery. (TSP available) 61-2611

Extra Door/Window Sensor. Add up to 15 to protect entry points. No wiring or tools are needed to install. Requires 9V alkaline battery. 61-2612 Each 14.99

Extra Wireless Handheld Remote. 61-2615 (CMC) 24.99

(2) POWERHORN® Remote Siren. 110 dB. Four times louder than most smoke alarms! No wiring—just plug in at any indoor AC outlet. 61-2613 (CMC) ... 49.99

(3) Infrared Motion Detector. Triggers alarm system when it detects heat and motion. Wireless—move it to protect another room anytime. 61-2614 (CMC) . . . 59.99

(4) Miniature Keychain Remote Control. Lets you arm/disarm system and turn lights on/off as you enter and leave. Works as a "panic" button, too. 61-2618 (CMC) . . 24.99

OUR AC-CONNECTED CONTROLLERS, TIMERS AND MODULES MEET SAFETY STANDARDS SET BY UNDERWRITERS LABORATORIES
**YOU’LL SAVE TIME AND STEPS EVERY DAY**

**Plug ‘n Power® Motion-Sensing Dual Floodlight With Remote Switching**

Floodlights come on when sensor detects motion. Works independently or you can set it to turn on indoor lights at dusk and other lights when it detects motion—just add lamp modules, below. Plus, you can use any Command Center to control floodlights manually. Installs on standard electrical box. Bulbs not included. 61-2604 49.95

**Command Centers and Remote Controller/Timer**

1. Mini Command Center. Controls up to eight sets of remote modules, below. Perfect for bedside table. You can dim/brighten lights and turn appliances on/off all over home. All-lights-on/off control doubles as a panic alert. 61-2677 12.95

16-Button Controller. Controls up to 16 sets of modules. 61-2672 (CMC) 24.99

“Sundowner” Controller. Same functions as Fig. 1 plus a built-in photocell sensor. It automatically turns on up to four lights at dusk and switches them off at dawn. Requires remote modules, below. 61-2616 (CMC) 22.99

2. Remote Controller/Timer. Use with remote modules, below, to automate fans, air conditioners, lights, TV and more. You can program daily on/off times and operate devices manually. Also operates as a digital alarm clock and has varied-time security feature. Backup system requires 9V battery. (TSP available) 61-2670 29.95

**Plug ‘n Power Remote Modules and Wall Switches**

1. On/Off Appliance Module. Plugs into 2-prong AC outlet. Rated 15 amps (for coffee pots, etc.), 1/2 HP for motors, 500 watts for incandescent lamps. 61-2681 12.95

Universal Appliance Module. As above but with 3-prong plug and outlet. 61-2684 13.95

Lamp Dimmer Module. Rated 300W, incandescent lamps only. 61-2682 12.95

2. Wall Switch. On/off, dim/brighten. 500W, incandescent lamps only. 61-2683 12.95

3. Wall Outlet. Has one remote-control outlet and one standard outlet. 61-2686 15.95

4. 3-Way Wall Switch. For lights using two switches, such as garage or hall. Includes companion switch. On/off and brighten/dim by remote. Manual on/off, 61-2686 15.95

Extra Switch for 4-Way Installation. (CMC) 7.99

5. 15-Amp 220VAC Remote Module. Controls 220VAC appliances. 61-2686 24.99

Heavy-Duty 20-Amp 220VAC Module. 61-2689 24.99

6. Set-Back Thermostat Control Module. Controls your heating and/or air conditioning system by remote. Requires Appliance Module (Fig. 1), sold separately. 61-2689 (CMC) 19.99

7. Remote Chime/Beeper. Use with 61-2604 as remote door bell. 61-2656 (CMC) 24.99

8. Universal Interface. Connects to alarm system, contact switch or other sensor. Turns on or flashes lights connected to modules when alarm or sensor trips. 61-2687 (CMC) 19.99

9. Sounder/Actuator. Lets you switch a low-voltage load by remote. Great for auto-dialer, sprinkler, drapery closer. Momentary or sustained contact closure. 61-2688 (CMC) 18.99

**Plug ‘n Power Computer Interface With DeskMate® “Automatic House” Software**

- Use Your Tandy® or Other PC-Compatible Computer to Program The Interface Then Detach It—Doesn’t Tie Up Your Computer
- Set-Up is Incredibly Simple, Fast and Precise With the Included DeskMate “Automatic House” Software (Requires DeskMate 3.X)
- High Capacity—Handles Up to 128 Separate Timer Events and Controls Up to 256 Sets of Plug ‘n Power Modules

Plug ‘n Power Computer Interface. Now you can use the power of your computer to set up precise automatic control for household lights, appliances, heating and cooling. The new Automatic House software (supplied on disk) makes it fast and easy. The program starts with a brief introduction for first-time users. Then, it helps you make an on-screen floor plan, complete with icons (on-screen images) representing the devices you wish to control. You can schedule different on/off times for different days. You can even schedule lights to dim or brighten to precise levels at different times—a great crime deterrent when you’re away from home. After programming, the interface operates independently. Includes cable for hookup to computer’s serial port and software on both 5¼” and 3½” disks. Backup requires 9V battery. 61-2617 (CMC) 69.99

**Call Home and Control Lights And Appliances**

Telephone Responder. Lets you call home and control up to 10 lights or appliances by entering simple commands on any Touch-Tone keypad. When you’re home, you can use the Telephone Responder as a manual Plug ‘n Power control center and even set it to flash selected lights when your telephone rings. 61-2692 (CMC) 79.99

**ITEMS ON THESE TWO PAGES NOTED (CMC) NEXT TO CATALOG NUMBER AVAILABLE ON FAST SPECIAL-ORDER FROM OUR MAIN WAREHOUSE**

123
**Clocks & Timers Make Great Reminders and Handy Lamp/Appliance Controllers**

(1) **NEW!** LCD Clock With Dual Up/Down Timers. Time up or down to 99:59:59, even two events at once. Timer alarm, memory. With RS357A battery. 63-884... 14.95

(2) **Stick-On LCD Clock/Timer/Calendar.** Times to 15 min. With RS357A battery. 63-840... 3.99

(3) **Pocket/Magnet-Mount LCD Timer.** Times to 99:59. With RS357A battery. 63-879... 10.95

(4) **Pocket LCD Timer.** Fold-down stand for desk, plus pocket clip. Times to 99:59. With RS357A battery. 63-880... 14.95

(5) **NEW!** Grounded Heavy-Duty AC Timer. For air conditioners, heaters, computers and other high-current plug-in equipment. Two on/off settings per day, plus manual-override on/off switch. UL listed. 63-866... 14.95

(6) **Tabletop 24-Hour AC Timer.** For lamp or appliance, 12 on/off settings daily. Override. Rated 15A. UL listed. 63-865... 14.95

(7) **Plug-In AC Timer.** Twelve hourly on/off cycles. Override. 15A. UL listed. 63-864... 9.95

(8) **Mini Plug-In AC Timer.** Two on/off settings. Only 3 7/8 x 2 3/4 x 1 3/8". Rated to 15A. UL listed. 63-862... 7.95

(9) **Eight-Event, 24-Hour LCD AC Timer.** Digital timer gives you four on/four off times daily. 15A. UL listed. Requires "AA" battery for memory backup. 63-891... 22.95

(10) **NEW!** 7-Day, 14-Event LCD AC Timer. Up to seven on/seven off settings can apply daily or on specific day of the week. Rated 15A. UL listed. Includes memory backup battery. 63-892... 27.95

---

**Wireless Door Chime/Remote Pager**

**NEW!** (1) Mounts for use as a doorbell—no wiring required. Or, use as a pager or panic switch. A sick or elderly person can just push the button on transmitter to call the person with receiver. Even has contact switch terminals for use as an entry chime. Requires 9V and 3 "AA" batteries. 63-871... 19.95

**Battery-Powered Door Chime**

**NEW!** (2) Add a doorbell for back or side door. No AC is required—install it anywhere. Has an outside pushbutton and includes 6'/2 feet of hookup wire—enough for most installations. "Ding-dong" chime. Requires 9V battery. 63-870... 12.95

---

**BikeMate™ Bicycle Computer**

(3) Know the facts—not just "how you feel." Monitors speed, current time, elapsed time and trip/total mileage. Even keeps track of maximum speed on current trip. Calibrates to any wheel size. Switchable English/metric measurements. Weather resistant. Requires 2 "AAA" batteries. 63-644... 24.95

**Cordless Pencil Sharpeners**

(4) Super value! With spare blades. Requires 4 "C" batteries. 61-2795... 10.95

(5) No cords to tangle! Performs like AC-powered models. Requires 4 "AA" batteries. 61-2590... 3.99

---

**Halogen Table Lamp**

**NEW!** Stylish design and low power consumption make it ideal for home or office. Hi/lo light levels. Height and angle adjustable to 21" high. UL listed AC. 61-2552... 29.95

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NOW 7000 RADIO SHACK STORES AND DEALERS IN THE USA—WE'RE NEAR YOU
VoxClock® Talking Clocks Really Tell the Time

They Display the Time and Announce It, Too

(1) NEW! VoxClock Travel Alarm. Folds to go anywhere. LCD display, plus a built-in voice announces time at the touch of a button. Hi/lo voice volume, 12/24-hour modes, a.m./p.m. indicators. With CR2032 batteries. 63-905 29.95

(2) NEW LOW PRICE! VoxClock-2. Announces time hourly or at the touch of a button. LCD display plus voice for easy time-setting. Hi/lo voice volume, 12/24-hour modes. Requires 2 "AA" batteries. Was $39.95 in 1991 Catalog. 63-904, 34.95

(3) VoxClock-3 With Dual Alarms. Announces time when alarm sounds, or time, month and day when you tap the button. Two wakeup times make it perfect for couples. Switchable voice or chime alarms with a different melody for each alarm. Easy-to-see 0.9" LED display. Forward/reverse controls for easy time and alarm setting. UL listed AC. Backup requires 7 "AA" batteries. 63-906 49.95

Compact-Disc Table Clock

Quartz Accuracy, Cutting-Edge Style

NEW! Digital sound meets analog timekeeping! It's the perfect clock for your favorite discerning audiophile—adds a distinctive accent to den or office. Precision analog quartz movement with second hand. Includes clock stand for desk or table. Requires "AA" battery. 63-746 14.95

Stylish Wall Clocks

(1) Giant LED for Wall/Desk. Looks sensational in office or home. Huge 2½" display can be read from up to 50 feet or farther. Switchable 12/24-hour modes, hi/lo brightness and p.m. indicator. Detachable power cord. Built-in desk stand. UL listed AC. 63-808 29.95

(2) Digital LED for Wall or Desk. Jumbo 1.8" display can be read from across the room. Has switchable 12 or 24-hour display, p.m. indicator. Mount on wall or use the built-in desk stand. UL listed AC. 63-805 22.95

(3) NEW! Modern Wall Clock. Stylish update of a classic design. Battery-powered to mount almost anywhere. Requires "AA" battery. 63-810 12.95

Accurate Digital Alarm Clocks

(1) Jumbo LED Display. Huge 1.8" numerals are easy to see from anywhere in the room. Snooze control, 12/24-hour modes, p.m. indicator. 63-766 24.95

(2) NEW! Big LED Display & Alarm Volume Control. 0.9" numerals, p.m. indicator, snooze. 63-762 19.95

(3) Large Green LED Display. Built-in night light with hi/lo/off switch. Soothing, green 0.6" numerals. Snooze control and p.m. indicator. 63-759 19.95

(4) NEW! Fluorescent Display & Alarm Volume Control. Auto-dimmer adjusts brightness to room light level. Snooze control, 12/24-hour modes, p.m. indicator. 0.6" numerals. 63-764 19.95

(5) LED Display. Our lowest priced alarm. Snooze, p.m. indicator, 0.6" numerals. 63-758 9.95

(6) NEW! Oversize LED Display and Hi/Lo Dimmer. Easy-to-read oversize 1.4" numerals, plus snooze control and p.m. indicator. 63-763 17.95

(7) Green LED Display. Has 0.6" numerals, snooze control and p.m. indicator. 63-757 13.95

CLOCKS ABOVE ARE UL LISTED AC OPERATION

Exclusive Battery Backup/Battery Sentinel®: Our AC-powered clocks have backup which powers clock, without display, for up to eight hours and alarm for 10 minutes. LED warns of weak battery.

BATTERY BACKUP IN AC-POWERED CLOCKS, EXCEPT 63-906, REQUIRE 9V BATTERY (EXTRA)
Famous Micronta® Watches—There's a Style Just Right for Every Need and Budget

(1) **NEW!** Colored Graphic Display/Multifunction. Calendar, countdown timer, stopwatch, pacer. With RS2016H battery. 63-5031, 24.95
(2) **NEW!** VoxWatch®. Synthesized voice announces the time hourly or at the touch of a button. LCD displays time, month, date, day of week. Built-in stopwatch. With CR2025 battery. 63-5041, 49.95
(3) **NEW!** LCD Analog/Digital Display. Stopwatch, calendar, alarm. Water resistant to 100 feet. With RS391 battery. 63-5068, 17.95
(4) **NEW!** Dual-Display Chronograph. Graphic LCD shows date, day of week and time. Stopwatch stores 29 lap positions, measures split time. Water resistant to 100 ft. With CR2330 battery. 63-5069, 19.95
(5) **NEW!** Lady's Classic Analog. Quartz accuracy, attractive leather band, second hand. With RS371 battery. 63-5070, 19.95
(6) **NEW!** Stylish Analog/Digital Alarm. Calendar, 24-hour alarm, stopwatch. Water resistant to 100 ft. With SR927W battery. 63-5067, 27.95
(7) **NEW!** LCD Chronoalarm. Displays month/day/time or use as a stopwatch. Has 24-hour alarm, hourly chime and calendar. Water resistant to 100 feet. With RS399 battery. 63-5065, 19.95
(8) **NEW!** Extra-Large LCD Digits. Calendar, 24-hour alarm. Water resistant to 100 feet. With RS389 battery. 63-5064, 9.95
(9) **NEW!** LCD Calculator Watch. LCD shows time and date. Has 24-hour travel alarm. Features 4-function, 8-digit calculator for problem solving on-the-go. With RS389 battery. 63-5059, 12.95

**Desk Alarm Clocks**
- Battery Powered

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>LCD Full-Screen Calendar/Clock. Just a glance informs you of the time, date and day of week. Features snooze control button and 24-hour alarm. 3½ x 4⅜ x 2⅓&quot;. With RS357A battery. 63-761</td>
<td>24.95</td>
</tr>
<tr>
<td>Large LCD Display Clock. Big illuminated 0.7&quot; numerals can be read from across the room. Snooze and 24-hour alarm. 1⅞ x 4 x 2⅓/5&quot;. Requires &quot;AA&quot; battery. 63-745</td>
<td>12.95</td>
</tr>
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**LCD Stopwatches**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>9-Lap Memory. Times to 23 hrs., 59 min., 59 sec. and 99/100 sec. With neck cord, CR2016 battery. 63-5012</td>
<td>24.95</td>
</tr>
<tr>
<td>Professional. Times to 9 hrs., 59 min., 59 sec. and 99/100 sec. With neck cord, RS357A battery. 63-5010</td>
<td>19.95</td>
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</tbody>
</table>

**Time Travel—Battery-Powered Mini Clocks**

<table>
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<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>LCD World Time. Instantly know the time in any of 20 major cities around the globe. Switchable 12/24-hour mode. 24-hour alarm. 2½ x 3¼, folds to 3/4&quot;. Includes RS76 battery. 63-710</td>
<td>19.95</td>
</tr>
<tr>
<td>LCD Traveller Alarm With Extra-Large Numerals. Features snooze button, 24-hour alarm. 1⅜ x 4⅜ x 3/4&quot;. Requires 3 &quot;AA&quot; batteries. 63-709</td>
<td>13.95</td>
</tr>
<tr>
<td>Mini Analog Travel Alarm. Luminous hands, 24-hour alarm and a handy carry pouch. 2⅛ x 2⅛ x 7¼&quot;. Requires &quot;AA&quot; battery. 63-716</td>
<td>11.95</td>
</tr>
<tr>
<td>LCD Anywhere® Clock. Stick-on almost anywhere! Includes slide-in bracket. 1⅛ x 3¼ x 3/8&quot;. With RS357 battery. 63-836</td>
<td>10.95</td>
</tr>
<tr>
<td>Micro LCD Travel Alarm. Just the thing for your overnight bag. Backlight display, 24-hour alarm. Only 1⅛ x 3 x ⅝&quot;. With RS357A battery. 63-706</td>
<td>12.95</td>
</tr>
<tr>
<td>Deluxe LCD Travel Alarm. Perfect backup for wake-up calls. Snooze, backlight. 4 x 2½, folds in case to ½&quot; high. With LR43 battery. 63-708</td>
<td>17.95</td>
</tr>
</tbody>
</table>
ELECTRONICS FOR YOUR HEALTH & HOME

Micronta Brings You Better and Healthier Living Through Electronics

(1) 24-Hour Pillbox/Timer. Ends the worry of taking medication on time. Handy compartment safely stores your pills, and alarm alerts you when it's time to take them. Counts down from 23 hours and 59 minutes in 60 second increments. Set the time period once, then simply push a button to restart the time cycle. Recessed buttons prevent accidental resetting. With RS357A battery. 63-881 14.95

(2) Biofeedback Stress Monitor. Electronically detects internal body changes caused by tension—helps you to recognize and control harmful stress. Listen through either the speaker or earphone. A high-pitched tone indicates that you're feeling stress. A slow "popping" sound means you're calm, relaxed. Includes earphone. Requires 9V battery. 63-664 13.95

(3) LCD Blood Pressure Monitor. One-hand operation. Accurate display of diastolic and systolic pressure and pulse rate. Vinyl case. Requires 9V battery. 63-663 49.95

(4) LCD Fever Thermometer. Accurate readings (± 0.2°F) in one minute. Auto-shutoff. Sterilized covers (available at drugstores) slip onto the tip. With RS392 battery. 63-655 9.95

(5) Walk-Mate® Pedometer. Walk your way to fitness. Measures to 99,999 steps. Makes it easy to keep track of your progress. One-touch reset button. Includes RS386A battery. 63-671 14.95

(6) Walk-and-Jog Mate™ Pedometer. Distance meter accurately measures to 99,999 steps and to 999.99 miles. Large, easy-to-read LCD. Belt clip included. With RS386A battery. 63-682 24.95

Home/Auto Air Purifier

- Eliminates Airborne Odors, Pollen, Smoke

NEW! Electronic Ionizer. Enjoy breathing air with "after a rainstorm" freshness! Clears the air with a powerful flow of negative ions that attract and trap air pollutants like a magnet. Eliminates tobacco smoke, cooking odors and pet smells. Even works with allergy-causing pollen and particles too small to be trapped by air filters. Covers 250 square feet. Dual powered. Includes UL listed AC adapter and 12VDC lighter plug. 63-643 29.95

Indoor/Outdoor LCD Thermometers and Hygrometer

- Displays Either Fahrenheit or Celsius

(1) Dual-Display Thermometer. Shows both indoor and outdoor temperatures. Memorizes highs and lows—makes it easier to set heating/cooling system for smarter energy usage. 5"h x 3½"w x ⅛"d. Requires 2 "AA" batteries. 63-843 29.95

(2) In/Outdoor Thermometer. Check the temperature outside before you leave the house. Switchable in/outdoor display and backlight. 1½"w x 2½"h x ½"d. Complete with RS357A battery. 63-842 14.95

(3) Indoor Thermometer/Hygrometer. Feel itchy? Scratchy throat? One glance tells you if the room humidity isn't "right". Also helps protect sensitive equipment. Accurately measures from -58° to 158° Fahrenheit. Indoor hygrometer displays relative humidity from 25% to 95%. LCD indicates "wet" when humidity exceeds 65% and "dry" when under 45%. Indicates "comfort" when between 45%-65% and temperature is 64°-72° F. 7½"w x 3½"h x ⅛"d. Requires 2 "AA" batteries. 63-844 29.95

RADIO SHACK—FAMOUS FOR PERSONAL SERVICE AND QUALITY ELECTRONICS SINCE 1921—NOBODY COMPARES
**Super Selection of Power Adapters**

**Travel Helpers! Foreign AC Power Converters and Plug Adapters**

1. **Dual-Wattage Converter.** For use with foreign 240VAC power. Operates most 120VAC electronic and motorized appliances rated up to 50 watts, heating-type appliances rated up to 1600 watts. Use with recorders, radios, battery chargers, calculators, irons, hand-held hair dryers, curling irons, bottle warmers, lens sterilizers, immersion heaters. 12½ oz. 3 x 2 x 2½". 273-1410  
   
2. **50-Watt Converter/Transformer for Electronic Equipment.** Converts 240VAC to 120VAC to operate most small recorders, radios, photoflashes, chargers, calculators. 9½ oz. 1½ x 2¼ x 1½". 273-1401  
   
3. **Plug Adapters.** Connect converters, above, to almost any outlet, including recessed types. Must be used with a converter. 273-1405  
   
4. **U.S.-Outlet Plug Adapter.** Connects dual-voltage appliances with European plugs to U.S.-type 120VAC power outlet. 273-1406  
   
**Important Note:** These converters can NOT be used with clocks, TV sets, high-fidelity equipment, typewriters, computers, hooded hair dryers, slide projectors or permanently installed equipment. NOT for continuous use. WILL NOT work with DC (direct current). The 1500-watt and 2000-watt converters should NOT be used with transformer-operated equipment.

**Special AC-to-DC Adapters**

- **Include Adaptaplugs to Fit Most Portables**
- **Adapt battery-powered portables with DC jack to operate on AC power. All plug into AC outlet and are UL listed.**

1. **9VDC Adapter.** (Shown). Rated 500 mA output. Includes two Adaptaplugs. 273-1651  
   
2. **12VDC Adapter.** Rated 500 mA output. Includes four Adaptaplugs. 273-1652  
   
3. **High-CURRENT 12 VDC Adapter.** Delivers up to one amp. Includes three Adaptaplugs. 273-1653  
   
4. **Personal Portable Adapter.** Hum-free circuit designed for personal stereos. Selectable 1.5 or 3VDC output. Delivers up to 300 mA. With two Adaptaplugs. 273-1654  
   
**DC Extension Cable and Y-Adapter**

1. **5-Ft. DC Extension Cable.** Fits most AC adapters. Coaxial jack at one end, coaxial plug at the other. Popular 2.1mm O.D., 5.5mm I.D. connector size. 273-1648  
2. **DC Power Y-Cable.** Lets you power two devices with one adapter. 273-1649
   
**Hi-CURRENT AC-to-DC Adapters**

- **6/7.5VDC, 700 mA Output.** For many LCD TVs, portable CD players, handheld computers. With two Adaptaplugs. UL listed. 273-1655  
- **9VDC, 800 mA Output.** For musical keyboards, CDs, video games. 5.5mm O.D., 2.1mm I.D. coax plug. UL listed. 273-1656  
- **9V Battery Eliminator.** Plugs into AC outlet. Causes batteries. UL listed AC. 273-1552

**AC-to-AC Power Adapters**

- **With 5.5mm O.D., 2.1mm I.D. coax plug.** For Phone Answerers. Output: 13VAC, 800 mA. UL listed. 273-1610  
- **For Nintendo* Video Game.** Output: 9VAC, 1.3A. UL listed. 273-1611

Nintendo is a trademark of Nintendo of America, Inc.

**AC Adapters Designed for Use With Radio Shack Equipment**

All have a body similar to the adapter pictured at left and plug into an AC outlet. UL listed.

<table>
<thead>
<tr>
<th>Output</th>
<th>Connector</th>
<th>Cat. No.</th>
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<tr>
<td>3</td>
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<td>200</td>
<td>273-1434</td>
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<tr>
<td>3</td>
<td>200</td>
<td>273-1435</td>
<td>12.95</td>
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</table>

*For use with most STEREO-MATE® portables.

**Car/Boat DC-to-DC Adapter**

Plugs into lighter socket. Provides 6 or 9VDC for powering many small portable electronic devices. 12VDC neg. gnd. 14-844  

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Each</th>
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<tbody>
<tr>
<td>273-1402</td>
<td>16.95</td>
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<tr>
<td>273-1403</td>
<td>17.95</td>
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</table>

**120VAC-to-12VDC Power Supplies**

- **Regulated 12VDC Supply.** Ideal for powering most mobile CBs, car stereos, radios and other 12VDC car accessories from AC. Useful in troubleshooting as well as powering electronics and science projects. Features push-to-reset circuit breaker, on/off switch, LED "on" indicator, massive heat sink for cool operation. Rated 2.5 amps continuous. 2¼" x 6¾" x 6⅞". UL listed AC. 22-1220  
- **12V Battery Eliminator.** Plugs into AC outlet. Connector is a snap-type as on 9V rectangular batteries. UL listed AC. 273-1552  

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>273-1552</td>
<td>5.95</td>
</tr>
</tbody>
</table>

**Radio Shack—America's Electronic Parts Place Since 1921**
Spike Protectors Shield Your Equipment From Electrical Damage

Archer® spike protectors have features many other brands leave out: fuse protection in case of varistor failure, neon indicator that goes out when protection is gone, special tests for dielectric breakdown. Higher standards mean you get better protection with the Archer brand!

Wireless AC Switch
So easy! Just plug receiver module into AC, then plug a TV, stereo, lamp or appliance into module. Turn device on/off with the remote. System handles 15-amp resistive load, 500 watts incandescent lamps, 400-watt TV. Remote requires 9V battery.

Auto and Manual Light Controls
(1) Automatic Controller for Outdoor Lamp Post. On at dusk, off at dawn. Fits 3" or 4" knockouts. 61-2777 ........... 7.49
(2) Automatic Outdoor. On at dusk, off at dawn. For incandescent bulb up to 150W. Fits PAR socket. 61-2775 .... 9.95
(3) Automatic In/Outdoor. Fits most lamps and fixtures. Same rating as Fig. 2. 61-2776 ........... 7.95
(4) Manual Lighted Toggle Dimmer Switch. 61-2693 .... 4.95
(5) Plug-In Automatic Night Light. Brightens as darkness increases. Shuts off at dawn. 61-2646 .... 4.95

Power Strips With AC Spike Protection
(1) Automatic Power Controller. Lets you power-up or turn off your entire audio/video system by turning one component on and off. Great for use with remote-control VCR, cable box, TV, CD player. Has one sensed, four switched, one unswitched outlets. Built-in spike protection in case of varistor failure. neon indicator that goes out when protection is gone, special tests for dielectric breakdown. Higher standards mean you get better protection with the Archer brand!

Easy to-Use AC Circuit and Outlet Testers
(1) AC Voltage Sensor. Indicative of presence of AC voltages from 70 to 440VAC without direct electrical connection. Easy and safe to check for broken connections, blown fuses, defective grounds, more. With instructions and replaceable battery. 22-103 ........... 11.99
(2) Grounded Outlet Analyzer. Color-coded neon lamps indicate faults. 22-101 .......... 5.95
(3) Neon Circuit Tester. 50 to 300 volts AC/DC. 22-102 .......... 1.99

Quality Extension Cords and Remote On/Off Switch
Heavy-gauge metal housings, industrial-type square outlets, 6-ft. cord with 3-prong plug. Six-Outlet. Lighted on/off switch, circuit breaker. Rated 15A. 61-2619 .... 21.95
Four-Outlet. As above with four outlets and without switch. 61-2620 .... 15.95

ALL AC-COMMION PRODUCTS ON THIS PAGE ARE UL LISTED
**ARCHER® TOOLS MAKE EVERY JOB EASIER**

**Electronic Tape Measure**

NEW! Just aim at a wall or ceiling to measure distances. Readings are shown on LCD display in feet or meters. Uses ultrasonic sound waves to quickly and accurately measure straight lines, room volume and area. Three-key memory recalls stored figures for adding and subtracting measurements. Includes belt clip. 5 x 2½ x 1". Requires 4 "AAA" batteries. 63-645 **39.95**

**Electronic STUDFINDER**

No more guesswork! Measures changes in wall density to accurately locate wooden studs or metal frames. Finds exact center for secure hanging of shelves, clocks and pictures, even spots ceiling joists for hanging lights and fans. Locates pipes, wiring and conduit. Automatically recalibrates! Requires 9V battery. 64-2825 **21.95**

**Microscope and Magnifiers**

(1) 30-Power Lighted Hand Microscope. Magnifier with 8X power, light, focus and case. Requires 2 "AA" batteries. 63-851 **9.95**

(2) Lighted Magnifier. Ideal for hobbyists. Dual magnification—powerful 2½" lens and inset 1" lens. Requires 2 "AA" batteries. 63-848 **5.95**

(3) Pocket Magnifier. Just right for studying stamps, maps, schematics—hundreds of uses! Only 2½" square. 63-852 **1.39**

**Screwdriver, Nutdriver, Crimping Tool Sets and Mini-Vise**

(1) Deluxe 7-Piece Screwdriver Set. Includes ¼ x 1½" stubby, ¼ x ¼" midget, ⅜ x ⅜" mechanics' screwdriver, ⅜ x 4" and ⅜ x 6" cabinet, #1-2 Phillips. 64-1823, 6.49

(2) Reversible Screwdriver. Driver bar has a Phillips on one end and a standard head on the other. 64-1950, 2.99


Six-Piece Nutdriver Set. Tempered steel. Easy-grip molded handles. ½" to 7½" sizes. 64-1821 **4.49**

(4) Hex Key Set. Has 18 steel hex-nut keys. Complete range of short and long arm sizes. 64-1849 **3.99**

(5) Nibbling Tool. Neatly cuts up to 18-gauge steel, ⅛" copper, aluminum and plastic. 64-823 **10.95**

(6) Locking Long-Nose Pliers. Doubles as a wrench. 6" long. 64-1864 **5.99**

(7) 6" Locking SS Forceps. 64-1866 **4.95**

(8) Strong Mini-Vise With Vacuum Base. 64-2094, 4.49

(9) Deluxe Crimping Set. With terminals. 64-409, 10.95

**Enervac® Cordless Vacuum Cleaner**

Easiest way to keep equipment clean! Brush attachment vacuums dust and lint from work areas. Nozzle attachment reaches cracks. Goes anywhere and fits comfortably in your hand—only 9½" long. Easy-to-clean filter. Sliding on/off switch. Requires 4 "AA" alkaline batteries. 61-2504 **9.95**

**Prices Apply at Participating Radio Shack Stores and Dealers**
Hand Tools for Special Applications

(1) Pro-Quality 5½" Long-Nose Pliers. Spring-action. 64-1812. 6.99
(2) 4½" Long-Nose Pliers. Insulated grips. 64-1843. 4.49
(3) 6½" Long-Nose Pliers. Insulated grips. 64-1844. 3.49
(4) Pro-Quality 4½" Diagonal Cutters. Spring-action. 64-1801. 5.99
(5) 4½" Diagonal Cutters. Insulated grips. 64-1841. 4.49
(6) 6" Diagonal Cutters. Comfortable, insulated grips. 64-1845. 3.49
(7) 5" Nippy Cutters. Flush-cutting. Spring-action. 64-1833. 1.79
(8) Professional-Quality Phone Installation Tool. 64-3010. 7.79
(9) Crimping Tool. Strips/cuts 10 to 22-gauge wire. 64-1830. 5.79
(10) Pro-Quality Stripper. For 8 to 22-gauge wire. 64-1819. 11.95
(11) "Dial" Wire Stripper. With insulated grips. 64-1952. 4.29
(12) 4-in-1 Long-Nose Pliers. Insulated grips. 64-1812. 6.99
(13) Spring-Action Stripper/Cutter. 24-1 gauge. 64-2129. 2.79

Convenient "See-Thru" Hardware Handy-Paks 1.99 Each

<table>
<thead>
<tr>
<th>Fig.</th>
<th>Description</th>
<th>QTY</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Round-Head Machine Screws. 2-56</td>
<td>42</td>
<td>64-3010</td>
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<tr>
<td>2</td>
<td>Pan-Head Sheet Metal Screws. 5 ea.: #4 x 3/4&quot;, #6 and #8 x 1/4&quot;, #10</td>
<td>35</td>
<td>64-3016</td>
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<td>5</td>
<td>Grommets. 7 ea.: 3/16&quot;, 5/32&quot;, 1/8&quot;, 5 ea.: 5/64&quot;, 1/16&quot;</td>
<td>31</td>
<td>64-3025</td>
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<tr>
<td>6</td>
<td>Solderless Ring Tongue</td>
<td>24</td>
<td>64-3030</td>
</tr>
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<td>7</td>
<td>Solderless Spade Tongue</td>
<td>24</td>
<td>64-3031</td>
</tr>
<tr>
<td>8</td>
<td>Solderless Insulated Ring Tongue. 4 ea.: #6 (22-18), 2 ea.: #6 (22-18), #8 and #10 (16-14)</td>
<td>10</td>
<td>64-3032</td>
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<td>9</td>
<td>Solderless Insulated Spade Tongues</td>
<td>10</td>
<td>64-3033</td>
</tr>
<tr>
<td>10</td>
<td>Solderless #10 Spade Tongues. 12 each: (22-18), (16-14)</td>
<td>24</td>
<td>64-3034</td>
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<tr>
<td>11</td>
<td>Male Quick-Disconnects</td>
<td>8</td>
<td>64-3038</td>
</tr>
<tr>
<td>12</td>
<td>Female Quick-Disconnects</td>
<td>8</td>
<td>64-3039</td>
</tr>
</tbody>
</table>

Precision Tool Sets And Instruments

(1) Deluxe 16-Piece Precision Tool Set. With case. 64-1861. 10.95
(2) Two Phillips and Four Standard-Head Screwdrivers. 64-1948. 4.29
(3) Six Crosspoints. 64-1962. 4.29
(4) Three Minidrivers. 64-1822. 1.49
(5) Straight 5" Stainless Steel Mini Forceps. 64-1910. 1.79
(6) Eight-Piece Precision Ball-End Hexdrivers. Enter a hex screw at 25°. Sizes .05 to .16". 64-1815. 6.99
(7) Five-Piece Needle File Set. Use with hobby kits, models, PC boards and more. 64-1895. 5.99
(8) Knife Set. Ten interchangeable steel blades. 64-1801. 4.79
(9) Multipurpose Hobby Knife. Surgically sharp. 64-1805. 1.39
(10) Anti-Static Television Alignment Kit. 64-2230. 4.39
(11) Project Holder. 64-2093. 8.19
(12) Two-Piece Television Color Alignment Kit. 64-2223. 9.99
(13) Five-Piece Television Color Alignment Kit. 64-2220. 2.99

Parts for Wiring

<table>
<thead>
<tr>
<th>Fig.</th>
<th>Description</th>
<th>Cat. No.</th>
<th>Price</th>
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<tbody>
<tr>
<td>1</td>
<td>Insulation Piercing Phone Spade Lugs</td>
<td>64-3070</td>
<td>24.19</td>
</tr>
<tr>
<td>2</td>
<td>Phone Butt Connector</td>
<td>64-3073</td>
<td>24.19</td>
</tr>
<tr>
<td>3</td>
<td>Standard Wire Staples</td>
<td>64-2875</td>
<td>48.99</td>
</tr>
<tr>
<td>4</td>
<td>Mini Wire Staples</td>
<td>64-2876</td>
<td>58.99</td>
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<tr>
<td>5</td>
<td>Phone/Alarm Wire Splice</td>
<td>64-3080</td>
<td>4.99</td>
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<td>6</td>
<td>Phone UG Tap Connector</td>
<td>64-3081</td>
<td>4.89</td>
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Terminals & Connectors

<table>
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<th>Fig.</th>
<th>Description</th>
<th>Cat. No.</th>
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<tbody>
<tr>
<td>7</td>
<td>Small Gold-Plated Terminals*</td>
<td>64-401</td>
<td>8.19</td>
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<tr>
<td>8</td>
<td>Large Gold-Plated Terminals*</td>
<td>64-402</td>
<td>8.59</td>
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<td>9</td>
<td>Solderless Crimp Lugs 7/16&quot;</td>
<td>64-404</td>
<td>100.99</td>
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<tr>
<td>10</td>
<td>Insulated Crimp Lugs</td>
<td>64-405</td>
<td>75.99</td>
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<tr>
<td>11</td>
<td>Gold Pin Connectors*</td>
<td>64-403</td>
<td>4.99</td>
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<tr>
<td>12</td>
<td>Wire Tap-Ins., 14-18 gauge</td>
<td>64-3052</td>
<td>10.19</td>
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<tr>
<td>13</td>
<td>Low-Voltage Tap-Ins., 18-22 gauge</td>
<td>64-3053</td>
<td>7.19</td>
</tr>
</tbody>
</table>

*For use with MEGACABLE

SEE PAGE 96 FOR INFORMATION ON LARGE-QUANTITY DISCOUNTS
**Dual-Wattage Pencil Iron**

Versatile! When you need more power, just flip the switch to go from 15 to 30 watts. 64-2055 .................................................. 9.49 Replacement Tip: 64-2055 .................................................. 1.19

**Versatile!** When you need more power, just flip the switch to go from 15 to 30 watts.

**Replacement Tip.** 64-2055 ........................ 1.19

**Replacement Chisel Tip.** 64-2056 ........................ 1.19

**Top-Quality AC and Mobile Soldering Irons**

- **(1) 15-Watt Pencil.** Grounded tip. Ideal for IC work. 64-2051 ........................................ 7.49 Replacement Tip: 64-2052 ........................................ 9.95
- **(2) 40-Watt Pencil.** Just right for larger jobs. Produces 600-640°F. Has 1/4" screw-in tip. Includes safety stand. 64-2071 ........................................ 7.49 Replacement Tip: 64-2072 ........................................ 1.29
- **(3) 25-Watt Pencil.** Similar to Fig 2, but with 5/8"2" tip. 64-2070 ........................................ 6.49 Replacement Tip: 64-2073 ........................................ 1.19
- **(4) 30-Watt Pencil.** Lightweight, cool-grip handle. 64-2067 ........................................ 4.79 Replacement Tip: 64-2065 ........................................ 1.19
- **(5) Mobile 30-Watt Pencil.** 12VDC. Plugs into car lighter socket. Ideal for automotive accessory and stereo wiring jobs. 64-2105 ........................................ 5.79 Replacement Tip: 64-2072 ........................................ 1.29
- **(6) 30-Watt Cool-Grip Gun.** Comfortable grip. 64-2066 ........................................ 5.49 Replacement Tip: 64-2065 ........................................ 1.19

**Build Your Own Iron**

Select From These Quality Components

<table>
<thead>
<tr>
<th>Fig.</th>
<th>Description</th>
<th>Cat. No.</th>
<th>Each</th>
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</thead>
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<tr>
<td>1</td>
<td>Cool-Grip Handle</td>
<td>64-2080</td>
<td>5.49</td>
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<tr>
<td>2</td>
<td>Grounded Handle (CMC)</td>
<td>64-2077</td>
<td>10.96</td>
</tr>
<tr>
<td>3</td>
<td>700° F Heating Unit (23W)</td>
<td>64-2081</td>
<td>5.99</td>
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<tr>
<td>4</td>
<td>800° F Heating Unit (33W)</td>
<td>64-2082</td>
<td>7.99</td>
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<tr>
<td>5</td>
<td>900° F &quot; (45W) (CMC)</td>
<td>64-2083</td>
<td>10.95</td>
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<td>6</td>
<td>Iron-Clad Lt. Duty Tips (2)</td>
<td>64-2089</td>
<td>4.99</td>
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<tr>
<td>7</td>
<td>Surface-Mount Tips (2)(CMC)</td>
<td>64-2074</td>
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<td>8</td>
<td>Lt., Med., H-D Tips (3)</td>
<td>64-2084</td>
<td>4.49</td>
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</tbody>
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**100-Watt Soldering Gun**

What a value! Pull the trigger and the tip reaches full temperature in seconds. Built-in light illuminates work. 64-2193 ........................................ 11.95

**Extra Tips for Use With**

<table>
<thead>
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<th>Cat. No.</th>
<th>Pkg. of 2</th>
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<tr>
<td>64-239</td>
<td>1.89</td>
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<tr>
<td>64-238</td>
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<td>64-237</td>
<td>1.89</td>
</tr>
<tr>
<td>64-234</td>
<td>1.89</td>
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</table>

**Portable Gas-Powered Iron**

Solder anywhere! Provides up to 60 minutes of heating and it refills in seconds with standard butane lighter fuel. Adjust-able output, equivalent to 10-60 watts. 64-2161 ........................................ 31.95 Replacement Solder Tips. Two sizes available. (1) 2.4mm, 64-2162 (CMC). (2) 1mm, 64-2163 ........................................ Each 9.95

**Desoldering Accessories**

<table>
<thead>
<tr>
<th>Fig.</th>
<th>Description</th>
<th>Cat. No.</th>
<th>Each</th>
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<tbody>
<tr>
<td>1</td>
<td>Soldering Iron Holder/Cleaner</td>
<td>64-2078</td>
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<tr>
<td>2</td>
<td>Tip Tinner/Cleaner</td>
<td>64-2020</td>
<td>4.99</td>
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<td>3</td>
<td>Desoldering Bulb</td>
<td>64-2086</td>
<td>2.99</td>
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<tr>
<td>4</td>
<td>Desoldering Tool</td>
<td>64-2120</td>
<td>6.95</td>
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<td>5</td>
<td>Vacuum Desoldering Tool</td>
<td>64-2098</td>
<td>5.96</td>
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<td>6</td>
<td>Desoldering Braid</td>
<td>64-2090</td>
<td>1.89</td>
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<td>7</td>
<td>4-Piece Set: Heat Sink, Brush/Scraper, Two Probes</td>
<td>64-2227</td>
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<td>8</td>
<td>Straight Mini Forceps</td>
<td>64-1910</td>
<td>1.79</td>
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**Pocket-Size Gas Torches**

(1) Soldering/Brazing Torch. Our mighty midget produces up to 5000°F in an adjustable pinpoint flame. Includes one butane and two micronox cylinders, two tips, storage tray. 64-2165 ........................................ 25.95 Extra Butane Cylinders. 64-2166, Pkg. of 2/3.79 Extra Micronox Cyl. 64-2167 ........................................ Pkg. of 2/2.59

(2) Butane Torch. Heats to 2500°F. Excellent for soldering, heating, removing paint. Includes one refill cylinder. 64-2164 ........................................ 11.95

**ALL AC-OPERATED EQUIPMENT ON THIS PAGE IS UL LISTED**
SOLDER, ADHESIVES, CHEMICALS AND TAPE

**Cleaning And Servicing Chemicals**

1. Cleaner/Degreaser. Sprays away dirt from circuits and components. 6 oz. 64-3315
2. TV Tuner Cleaner. Cleans contacts in mechanical color TV mechanical tuners. 6 oz. 64-3320
3. Color TV Tuner Cleaner. Our special formula for color TV mechanical tuners. Also effective on "scratchy" volume and tone controls. 6 oz. 64-3315
4. Cleaner/Degreaser. Sprays away dirt from circuits and components. 8 oz. 64-3322
5. Precision Lubricator. Needle tip. Great for toy repair! 3/4 oz. 64-2326
6. Rosin Flux Remover. Removes soldering flux deposits from circuit boards. 6 oz. 64-3324
7. Rosin Soldering Flux. 1 oz. 64-021
8. Lead-Free Solder. 0.032" diameter. 6 oz. 64-006
9. Hi-Tech Solder. 0.050" diameter. 1.5 oz. 64-013
10. Silver Solder. 0.022" diameter. 1.5 oz. 64-029

**We Have the Solder You Need**

1. Lead-Free Solder. 95% tin/4% silver. 0.032" diameter. Size: 0.25 oz. 64-025
2. Rosin Soldering Flux. 1 oz. 64-021
3. Solder-Weld. Silver-bearing paste. Use with lighter or iron. Ideal for RF hookups. 7.1 grams. 64-026
4. Solder Tape. Solder with a match! Great for outdoor projects. From circuit boards. 6 oz. 64-3324
5. Component C3oler. Spray on components to spot thermal defects. 6 oz. 64-3325
6. Dust Remover. The easy, effective way to clean dust and dirt from circuit boards, cameras, copiers and more. 6 oz. 64-3324
7. Rosin Flux Remover. Removes soldering flux deposits from circuit boards. 6 oz. 64-3324
8. Rosin Core Solder. Standard 60/40 formula. Pkg. of 100 steps. 64-010
9. Hi-Tech Solder. 63/37% formula. 0.050" diameter. 1.5 oz. 64-013
10. Silver Solder. 62/36/2% formula. 0.022" diameter. 1.5 oz. 64-029

**Adhesives for Almost Every Job**

1. All-Purpose Adhesive. Bonds wood, glass, china, metal, leather, paper. No-clog applicator. 1 oz. 64-2305
2. High-Tech Bonding Gel/Accelerator. Bonds almost anything! With 1 oz. accelerator. 64-2307
3. Instant-Bonding Glue. Bonds most nonporous materials in seconds. 0.11 oz. 64-2308
4. Twin- Tube Epoxy. No mixing! Meters out correct ratio of resin and hardener simultaneously. 1 oz. net. wt. 64-2313
6. Plastic Bonder. Great for toy repair! 1 oz. 64-2305
7. Lead-Free Solder. 0.032" diameter. 8 oz. 64-006
8. Hi-Tech Solder. 0.050" diameter. 2.5 oz. 64-013
9. Silver Solder. 0.022" diameter. 1.5 oz. 64-029

**Magnets & Magnet Tape**

1. Horseshoe Magnet. Powerful 1/4-pound pull. 64-1887
2. Super-Strong Rare-Earth Magnet. Only 1/4" diameter. 64-1895
3. Magnetic Tape. Holds tools, more! Adhesive backed. 30" long. 64-1890
4. Hi-Energy Ceramic Magnet. Amazing strength. 1/4" x 1/4" x 1/4". 64-1877
5. Ceramic Magnets. Each 234
6. Ceramic Magnets. Each 234
7. Ceramic Magnets. Each 234
8. Ceramic Magnets. Each 234
9. Ceramic Magnets. Each 234
10. Ceramic Magnets. Each 234

**Electrical, Packaging and Sealing Tape**

1. Electrical Tape Assortment. Five 1/4" x 12-foot rolls. Five different colors—ideal for color-coding your hookups. 64-2340
2. Packing Tape. High-strength tape seals out moisture. Big 2" x 165-foot roll. 64-2339
3. All-Purpose Tape. 2" x 30-foot roll. 64-2347
4. 1/2" x 12/16-Foot Roll PVC Electrical Tape. 64-2348
5. 1/4" x 20-Foot Roll. PVC Electrical Tape. 64-2349
6. 1/4" x 60-Foot Roll. PVC Electrical Tape. 64-2350
7. 6 Utility Knife. Many household and workshop uses. Snap off blade end for a fresh edge. 64-1868
8. PVC Electrical Tape. 64-2347
9. PVC Electrical Tape. 64-2348
10. PVC Electrical Tape. 64-2349

**Fasteners, Tape, Protective Feet**

1. Super-Lock Fasteners. Five times the holding power of standard hook-and-loop fasteners. Two pairs. 64-2360
2. Two-Sided Tape. 1 x 3" strips. 64-2344
3. Super-Mount Tape Strips. Three times the holding power of std. foam tape! Four 1 x 3" strips. 64-2361
4. Silicone Tape. Easier-to-use substitute for heat shrink tubing and tape. 1" x 3-foot roll. 64-2369
5. Hook-and-Loop Fasteners. Great for attaching accessories. 3" strips. Four pairs. 64-2345
6. Two-Sided Foam Tape. Handy! 40". 64-2343
7. Self-Sticking Cushion Feet. Add to equipment bottom. Protects finish of furniture or shelf from scratching. 64-2346
9. Clear Feet. Round plastic. 64-2365

**Lube Gel & Precision Oilier**

1. Lube Gel. Perfect for hinges, sliding doors, tools. 3 oz. 64-2326
2. Precision Lubricator. Needle tip applicator. 1/4 oz. 64-2301

†Improved With Teflon™
BRINGING YOU THE BEST AND BRIGHTEST

Powerful Rechargeable Plug-In Safety Lantern
- Two Lights in One
- Swivel Head

It's a safety light that comes on automatically when AC fails. Remove it, and it becomes a powerful lantern. Charge lasts up to two hours. Stores in wall socket. Swivel head puts light where you need it. Built-in charger and nickel-cadmium batteries. 61-2741

Handheld Plug-In Rechargeable Flashlight
- Over an Hour of Light Per Charge

Always charged and ready to work anytime! It's a small, handheld flashlight that plugs directly into an AC outlet and comes on during a power failure. Built-in charger, nickel-cadmium batteries, retractable AC prongs. With wrist strap and belt clip for easy carrying. 61-2545

The Best! Brilliant Buys in Searchlights, Flashlights and Lanterns for Every Purpose

<table>
<thead>
<tr>
<th>Fig.</th>
<th>Description</th>
<th>Batteries Required</th>
<th>Cat. No.</th>
<th>Each</th>
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<tbody>
<tr>
<td>1</td>
<td>Halogen Searchlight</td>
<td>12VDC Plug-In</td>
<td>61-2505</td>
<td>29.95</td>
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<tr>
<td>2</td>
<td>Krypton Enerlite® Flashlight</td>
<td>3 &quot;D&quot;</td>
<td>61-2537</td>
<td>24.95</td>
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<tr>
<td>3</td>
<td>Halogen-Bulb Flashlight</td>
<td>2 &quot;D&quot; Included</td>
<td>61-2737</td>
<td>12.88</td>
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<td>4</td>
<td>&quot;D&quot; Cell with Krypton Bulb</td>
<td>2 &quot;D&quot;</td>
<td>61-2540</td>
<td>4.99</td>
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<td>5</td>
<td>Aluminum Pocket Krypton</td>
<td>2 &quot;AA&quot;</td>
<td>61-2736</td>
<td>9.95</td>
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<td>6</td>
<td>Adjustable Focus Safety Lantern with Krypton Bulb</td>
<td>3 &quot;D&quot;</td>
<td>61-2541</td>
<td>5.99</td>
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</table>

<table>
<thead>
<tr>
<th>Fig.</th>
<th>Description</th>
<th>Batteries Required</th>
<th>Cat. No.</th>
<th>Each</th>
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<tr>
<td>7</td>
<td>Penlite with Krypton Bulb</td>
<td>2 &quot;AAA&quot;</td>
<td>61-2536</td>
<td>8.99</td>
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<tr>
<td>8</td>
<td>Flasher with Krypton Bulb</td>
<td>4 &quot;AA&quot;</td>
<td>61-2535</td>
<td>7.99</td>
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<td>9</td>
<td>3-in-1 Fluorescent Search/Area/Warning Lamp with 12VDC Cord</td>
<td>4 &quot;D&quot;</td>
<td>61-2739</td>
<td>14.95</td>
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<td>10</td>
<td>Mini 2-in-1 Fluorescent Flashlight</td>
<td>3 &quot;C&quot;</td>
<td>61-2734</td>
<td>7.95</td>
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<td>11</td>
<td>Rugged Halogen Lantern</td>
<td>4 &quot;D&quot;</td>
<td>61-2525</td>
<td>9.99</td>
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Why Pay More? Sturdy and Durable Flashlights

<table>
<thead>
<tr>
<th>Fig.</th>
<th>Description</th>
<th>Batteries Required</th>
<th>Cat. No.</th>
<th>Each</th>
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<tbody>
<tr>
<td>1</td>
<td>Hands-Free Headlight</td>
<td>2 &quot;AA&quot;</td>
<td>61-2510</td>
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<td>2</td>
<td>Disposable Clip Light</td>
<td>&quot;Built-In&quot;</td>
<td>61-2625</td>
<td>1.99</td>
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<tr>
<td>3</td>
<td>Pocket Penlight</td>
<td>2 &quot;AA&quot;</td>
<td>61-2625</td>
<td>2.39</td>
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<tr>
<td>4</td>
<td>Heavy Duty &quot;D&quot; Cell</td>
<td>2 &quot;D&quot;</td>
<td>61-2639</td>
<td>2.29</td>
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<td>5</td>
<td>Heavy Duty &quot;C&quot; Cell</td>
<td>2 &quot;C&quot;</td>
<td>61-2641</td>
<td>2.29</td>
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<td>6</td>
<td>Lantern w/Krypton Bulb</td>
<td>6V Lantern</td>
<td>61-2521</td>
<td>5.99</td>
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<tr>
<td>7</td>
<td>Four-Cell Worklight</td>
<td>4 &quot;C&quot;</td>
<td>68-1040</td>
<td>1.98</td>
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<tr>
<td>8</td>
<td>Five-Cell Worklight</td>
<td>5 &quot;D&quot;</td>
<td>68-1022</td>
<td>1.98</td>
</tr>
</tbody>
</table>

Pocket Penlight
- Elegantly styled with 24-karat gold accents. Twist end to turn on/off. Includes 2 "AAAA" batteries. 61-2538
- Extra batteries available from CMC.

NEW! Safety Wand Flashlight
- Great for signaling or directing traffic. "Pop" cone off to use as flashlight. Requires 2 "D" batteries. 61-2516

USE DEPENDABLE ENERCELL BATTERIES FOR ALL YOUR FLASHLIGHTS
Low-Cost Cordless Phone Batteries

Most popular rechargeable battery packs. Why pay more for factory replacements?

Replace-A-Cell™ Ni-Cd Batteries

For cordless devices. Solder tabs for easy hookup—make your own packs. Ask about our “Hotline” order service if you don’t find the exact battery you need.

HI-CAPACITY™ Ni-Cds

Heavy-duty rechargeable batteries for high-current drain equipment such as cordless tools. Designed to last longer than regular nickel-cadmium batteries between charges.

Nickel-Cadmium Batteries—Use Them Over and Over Again

ENERCELL batteries recharge to their full strength for just pennies a charge—they actually cost much less in the long run! See table below for our great selection of nickel-cadmium battery chargers.

<table>
<thead>
<tr>
<th>Cell Type</th>
<th>Volts</th>
<th>Amp-Hour</th>
<th>Cat. No.</th>
<th>Each</th>
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<tr>
<td>&quot;D&quot;</td>
<td>1.25</td>
<td>1.80</td>
<td>NC13</td>
<td>5</td>
</tr>
<tr>
<td>&quot;C&quot;</td>
<td>1.25</td>
<td>1.80</td>
<td>NC14</td>
<td>5</td>
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<tr>
<td>9V</td>
<td>7.2</td>
<td>0.065</td>
<td>NC1604</td>
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<tr>
<td>&quot;AA&quot;</td>
<td>1.25</td>
<td>0.650</td>
<td>NC15</td>
<td>5</td>
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<tr>
<td>&quot;AAA&quot;</td>
<td>1.25</td>
<td>0.180</td>
<td>NC24</td>
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<tr>
<td>&quot;N&quot;</td>
<td>1.25</td>
<td>0.150</td>
<td>CH2</td>
<td>5</td>
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</tbody>
</table>

Battery Chargers to Fit Any Budget or Application

(1) Quick Charger
(2) "AA" Battery Charger
(3) Deluxe "AA" Charger
(4) Standard Charger
(5) Transistor Charger
(6) Standard "AA" Charger
(7) Deluxe Charger

Radio Control Racing Batteries and Archer® Chargers

(1) Battery Pack Charger. Recharges 7.2V Ni-Cd racing pack in four to five hours. UL listed AC. 23-231
(2) Rechargeable 7.2V RC Ni-Cd Battery Pack. Six-cell construction is lightweight—only 320 grams. 23-230
(3) Portable DC Fast-Charger. Connects to 12VDC automotive battery. Recharges 7.2V Ni-Cd pack in 20 minutes LED charging indicator. 23-232
(4) ENERCELL 9.6V Ni-Cd Turbo Racing Battery Pack. Juice up for hard racing power. Six-cell short pack rated 9.6 volts at 600mAh. 23-234
(5) Portable AC/DC Fast-Charger. Use standard 120V house current or 12VDC car or truck battery to charge 7.2 or 8.4-volt RC Ni-Cd battery pack. Recharges battery to full power in 30 minutes or less. LED charging indicator. 23-235
OUR LONG-LASTING ENERCELL® BATTERIES

Premium ENERCELL Super Alkalines
- Higher Output Even at Low Temperatures
- Long Storage Life

<table>
<thead>
<tr>
<th>ENERCELL</th>
<th>Replacement for</th>
<th>Cat. No.</th>
<th>Price</th>
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<td>&quot;D&quot;</td>
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<td>&quot;AAA&quot;</td>
<td>S22</td>
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<td>E91</td>
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<td>&quot;D&quot;</td>
<td>&quot;D&quot;</td>
<td>E90</td>
<td>81C</td>
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</tbody>
</table>

Battery Checker

Know the true condition of your batteries. This meter shows you when it's time to replace "D", "C", "AA", "AAA", "N" and 9V rectangular batteries. Tests standard, alkaline, mercury, charged Ni-Cds. 6\textsuperscript{95}

Get Your FREE Battery Card

Up to $7.08 Value!

Join our Battery-A-Month Club and receive one General-Purpose "D", "C", "AA" or 9V ENERCELL each month for a year. Nothing to buy—it's just our way of encouraging you to visit Radio Shack!

Our "Hotline" Service for Special Batteries

Radio Shack can supply almost every consumer-type battery—for cordless phones, computer memory, camcorders, walkie-talkies, pagers and more. We send your order from our main warehouse to the Radio Shack near you. No postage charge for this service!

ENERCELL Lithium Batteries
- Actually Outperform Alkalines
- For Many Watches and Calculators
- High Energy
- Long Service Life
- Superior Leakage Resistance

<table>
<thead>
<tr>
<th>ENERCELL</th>
<th>Replaces</th>
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<tr>
<td>CR2025</td>
<td>DL2025</td>
<td>BL1025</td>
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<td>23-162</td>
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<td>CR2430</td>
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<td>BR2325</td>
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</tbody>
</table>

Special-Formula ENERCELL Extra-Life Heavy-Duty Batteries
- "Miracle-Seal" Leak Protection
- Up to Three Years Storage Life
- High Output at Low Temperatures

A specially processed electrolyte core provides longer service life.

Economical ENERCELL General-Purpose Standard Batteries
- One of America's Favorites
- Cost Much Less Than Most Brands
- Fresh! We Sell Millions Every Year

Because we sell so many, so quickly, they are always fresh when you buy them. Compare our quality and prices!

<table>
<thead>
<tr>
<th>ENERCELL</th>
<th>Replacement for</th>
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<td>&quot;D&quot;</td>
<td>&quot;D&quot;</td>
<td>E92</td>
<td>824</td>
</tr>
</tbody>
</table>

QUANTITY PRICES ARE AVAILABLE ON BATTERIES—SEE PAGE 96
Rechargeable Battery Packs For Camcorders and Phones

Top-quality rechargeable nickel-cadmium battery packs for many video camcorders and transportable cellular telephones.

1. NEW! 12-Volt. For use with Tandy Cellular Transportable Phone CT-1033 and many camcorders. 12V, 1500mAh. 23-183. 39.95

2. For VHS. For Radio Shack Model 100 MovieCorder and many other popular camcorders. 12V, 1500mAh. 23-186. 39.95

3. For VHS. For Radio Shack Models 101/125 and many others. 9.6V, 1500mAh. 23-183. 39.95

4. For 8mm. For many popular 8mm camcorders. 6V, 1500mAh. 23-184. 19.95

ENERCELL Long-Life Hearing Aid Batteries

- We have all the popular sizes

1.4V Air-Activated Packs. Lightweight, yet have about twice the capacity of other types.

1.4V Mercury Packs. Don't miss a word just because of a bad battery. We have the replacement you need.

ENERCELL Alkalines for Calculators and Games

Greatly outperform standard carbon-zinc batteries—even under high-current-drain conditions. Stock up at our low prices!

Why Pay More? Our Famous ENERCELL Brand is Your Best Value in Batteries!

We design every ENERCELL to give you long life at a low price. No fancy tops, no bunny ads. What you get with ENERCELL is more value! And, since we sell so many, you can be sure that every ENERCELL is fresh when you buy it. ENERCELL was rated best by a respected magazine. It's the only brand we know of you can try for FREE! See Battery Card offer on page 136.
MULTITESTERS, AC AMMETER & TEST LEADS

10-Megohm FET Input

10-Meg Input. Works like a VTVM. 5" scale, continuity sounder. Measures to 1000 VDC (7 ranges) and 1000 VAC, 10 amps DC, 100 megohms, -20 to +62 dB (5 ranges, each). Fuse protected. 7¼ x 5½ x 2½". Requires 9V and "C" batts. 22-220 $49.95

Range Doubler

Extra V/A Ranges. 50,000 Q/volt, 125 mV, 25 µA ranges, Cont. sounder. Measures to 1000 VDC (12 ranges), 1000 VAC, -20 to +62 dB (8 ranges each), 10A DC (10 ranges), 20 megohms (4 ranges). 6¹/8 x 4¹/8 x 2¹/8". Requires 9V and "AA" batts. 22-214 $39.95

Folds Up for Travel

20,000 Ohms/Volt. Shunt protected when shut. Display angle adjusts. Measures to 1200 VDC (7 ranges), 1200 VAC, -20 to +62 dB (6 ranges each), 300 mA DC (4 ranges), 2 megohms (4 ranges). Open: 7¼ x 4¹/8 x 1¼". Requires "AA" battery. 22-211 $29.95

Clamp-On AC Ammeter

Great for Testing HVAC. Measures up to 300 amps AC without direct hookup (5 ranges). Measures up to 600 volts AC with its probes (2 rgs.). Lockable pointer lets you remove meter for easy reading. Includes inductive pickup/multiplier. 4 x 2½". 22-161 $49.95

Reliable Multitesters and Battery Tester

(1) 18-Range Compact. 20,000 ohm-volt DC sensitivity. 3" meter with mirrored scale. Measures to 1000 VAC in five ranges, 1000 VAC in four ranges, 250 mA DC current in two ranges, 2 megohms resistance in three ranges. 5¼ x 3½ x 1¼". Requires "AA" battery. 22-201 $19.95

(2) Pocket-Size. One of America's most popular testers! 2000 Q/volt volt DC sensitivity. Measures to 1000 volts AC/DC in six ranges, 150 mA DC current and 100,000 ohms resistance. 3½ x 2¼ x 1¼". Requires "AA" battery. 22-212 $12.95

(3) Deluxe Electronics Battery Tester. Accurate! Tests under load condition. For carbon-zinc, alkaline, mercury, silver-oxide, lithium, nickel-cadmiums. Ranges: 1.5 volts (1/50/150 mA), 3, 6, 9, 12, and 22.5 volts. 1¾ x 3½ x 5¼". For battery tests only. 22-032 $12.95

Tester Companions

Soft Carrying Case. Perfect for larger testers. Provides plenty of room for tester, leads, manual, extra fuses and batteries. 22-149 $7.95

Using Your Meter. The "whats, whys and hows" of testing. Helps you get the most from your meter. 128 pages. 62-2039 $4.95

Test Leads, Probe Adapters and Jumpers

(1) NEW! Wire-Piercing Probe Adapters. Fast "no cut" measurements! Slip over probe tips. Extra-sharp recessed tip pierces insulation to make contact with wire. 278-715 Pair/2.99

(2) Gator Clip Adapters. Slip over probe tips. 270-354 Pair/1.99

(3) Mini-Hook Adapters. Slip over probe tips. 270-334 Pair/2.59

(4) Mini-Clip Jumper Wires. 20" long. 278-016 Pair/3.99

(5) Micro-Clip Jumper Wires. 20" long. 278-017 Pair/3.49

(6) Mini-Clip Test Leads. 48" long. Mini clip at one end. Banana plug at the other end. Includes pin-tip plug adapters. 278-1160 Pair/4.19

(7) Colled 6-Foot Banana-Plug Test Leads. 278-750 Pair/4.99

(8) Test Leads With 90° Pin Tips. 36" long. 278-712 Pair/2.49

(9) Banana-Plug Test Leads. 36" long. 278-704 Pair/3.19

(10) Leads With 90° Banana Plugs. 36" long. 278-713 Pair/3.19

(11) Pin-Tip Leads. 36" long. 278-705 Pair/1.99

138 MICRONTA MULTITESTERS INCLUDE TEST LEADS AND CLEAR OWNER'S MANUALS / PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS
MICRONTA® LCD-DIGITAL MULTIMETERS

The Meter That Speaks!

Speech Output. Press a button on the probe and this meter calls out the reading in clear English while displaying it. Features full autoranging and autopolarity for easy operation, continuity sounder, diode-check function for checking semiconductor junctions, LCD display with low-battery indicator. Measures to 1000 VDC, 750 VAC, 300 mA DC and 30 megohms. Fold-out stand doubles as a hanger. 61/8 x 31/8 x 1⅜". Requires 4 “AA” batteries. 22-164 . . . . . . Low As $15 Per Month

99.95

Capacitance and hFE

30 Ranges. Capacitance and Transistor Gain Functions. 10 megohm input. Front-panel transistor and capacitor sockets with special low-resistance contacts. Continuity sounder, diode-check function. Measures to 1000 VDC, 750 VAC, (4 ranges each), 10 amps AC/DC (4 ranges each), 20 megohms (6 ranges), 20 µF capacitance (5 ranges) and NPN/PNP transistor hFE. Fold-out stand doubles as a hanger. 71/16 x 31/16 x 1½". Requires 9 V battery. 22-194

79.95

Auto-Shutoff and Holster

NEW! Data Hold, Expanded Current Ranges and 33-Dot Analog Bar Graph. Rubber holster helps reduce chance of accidental damage. Autoranging operation with manual override, high-speed sampling. Handy 200 µA low-current range and continuity sounder, fold-out stand/hanger. Measures to 1000 VDC, 700 VAC, 10A AC/DC, 30 megohms. 71/8 x 31/8 x 1¾" (in holster). Requires 2 “AA” batteries. 22-167

69.95

Autoranging/Data Hold

NEW! Autoranging/Manual Override and 31-Dot Analog Bar Graph. Data hold instantly freezes display. Fast-response bar graph is excellent for critical “peaking” and “dipping” circuit adjustments. Features easy-to-read ½” digits, autopolarity, continuity sounder, diode-check function. Measures to 1000 VDC, 750 VAC, 10A AC/DC, 30 megohms. Fold-out stand/hanger. 61/8 x 31/8 x 1⅜". Requires 4 “AA” batteries. 22-186

69.95

Precision, Compact Digital Multimeters

NEW! (1) Autoranging/Manual. Has full autopolarity, over-range and low-battery indicators, diode-check function and continuity sounder. Measures to 1000 volts DC, 750 volts AC, 10A AC/DC current and 2 megohms resistance. Fused/overload protected. Fold-out stand/hanger. 61/8 x 31/8 x 1⅛". Requires 4 “AA” batteries. 22-184

59.95

(2) 23-Range. Has 10-meg input, autopolarity, diode-check function, continuity sounder, over-range and low-battery indicators. Measures to 1000 VDC (5 ranges), 750 VAC (4 ranges), 10 amps AC/DC (4 ranges each), 30 megohms (6 ranges). Stand/hanger. 61/8 x 31/16 x 1¼". Requires 4 “AA” batteries. 22-185

59.95

(3) Autoranging and Autopolarity. So easy to use. You select the function and the meter sets range automatically. Has 10-megohm input and diode-check mode for testing semiconductor junctions. Measures to 1000 VDC, 500 VAC, 200 mA DC and 2 megohms. 4¼ x 2¾ x 1¾". Requires 2 “AA” batteries. 22-188

36.95

Rugged, Reliable Digital Testers You Can Take Anywhere!

Pocket-Size Testers With Autoranging

(4) Probe-Style With Data Hold. There’s nothing better for use in tight spaces. Data-hold button freezes the display and lets you remove this tester for easier reading. Features full autopolarity, continuity sounder, low-battery indicator. Measures to 400 volts AC/DC and resistance. Overload protected. 1¾ x 6¼ x ¾". Includes batteries and carrying case. 22-165

39.95

NEW! (5) Autoranging With Manual Override. Fits a shirt pocket. Features recessed controls, continuity sounder, low-battery and over-range indicators. Overload protected. Measures to 400 volts AC/DC, resistance. 4¼ x 2¾ x ¾". With vinyl case and batteries. 22-169

27.95

NEW LOW PRICE! (6) Shirt Pocket-Size With Autoranging. Take it along! This meter folds, with its probes and case, to easily fit a shirt pocket. Easy-to-read LCD display, continuity sounder. Measures to 400 volts AC/DC, 2 megohms resistance, With vinyl case and batteries. 4⅛ x 2⅜ x ¾". Was $27.95 in 1991 Catalog. 22-171

24.95

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- TLC555. Low-power CMOS timer with 555 pinout. Operates to 2 MHz. 8-pin DIP. 276-1718 1.39
- 555 Timer IC. 8-pin DIP. 276-1723 1.19
- 556 Dual Timer IC. 14-pin DIP. 276-1728 1.49
- LM386 Audio Amp IC. Low-distortion, 400-milliwatt output for 8-ohm load. 4-12 VDC. 8-pin DIP. 276-1731 1.09
- 741. General purpose workhorse. Frequency compensated. 8-pin DIP. 276-007 0.79
- 1458 Dual Op Amp. 8-pin DIP. 276-038 0.99
- LM324 Quad Op Amp. 14-pin DIP. 276-1711 1.29
- TL082 Dual BIFET Op Amp. Low-noise, high-impedance inputs. 8-pin DIP. 276-1719 1.89
- LM339 Quad Comparator. Gives you four independent voltage comparators in one package. 14-pin DIP socket. 276-1712 0.99
- LM3909 LED Flasher, 8-pin DIP. 276-1705 1.69
- MC1488 RS232 Quad Line Driver. Connect computer terminals and remote peripherals. 14-pin DIP with data. 276-2520 1.29
- MC1489 RS232 Quad Line Receiver. Provides level translation, multiple outputs. 14-pin DIP with data information. For use with MC1488 quad line driver above. 276-2521 1.29

Harness the Sun! Silicon Solar Cell
First quality! Efficient 2 x 4 cm cell delivers about 0.3 amp at 0.55VDC in full sunlight. Use several to charge batteries or power projects. 276-124 3.95

Mini Audio Amplifier/Speaker
Super test amp. It's also ideal for computer voice/music uses, phone amp, projects and much more. High-gain IC circuit. 1/8" earphone and input jacks. 3/4 x 3/4 x 1/2. Requires 9V battery. 277-1008 11.95

Solar Energy Science Project Set
Ideal for Models
Great for science class, scouts or building projects. Includes solar cell prewired to DC motor, color wheels, propeller and informative data booklet. 277-1201 10.95
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Bold and Bright LEDs to Light Up Your Projects

(1) Jumbo 5000 mcd Red. Big, bright and cool. 276-086. 4.99
(2) 2000 mcd. Brilliant! 20 mA at 1.85VDC. 276-087. 1.69
(3) High-Brightness Red. 500 mcd at 20 mA, yet still runs cool. T-1¾ size. 276-088. 1.19
(4) Low-Current Red. Only 2 mA, T-13/4 size. 276-044. 0.99
(5) Blinking. 10 mm GaAlAs device. 1200 mcd. 276-020. 3.99
(6) Tombstone Red. 8 mm LED is easily stacked. 30 mA at 2VDC. 276-046. 0.99
(7) Dual-Color. 276-012. 1.19
(8) Jumbo Reds. Great for most projects. T-1¾ type case. 276-041. Pkg. of 2/69. 6.99
(11) Mini Reds. 276-026. Pkg. of 2/1. 1.29
(12) Red/Green. 276-012. 1.19
(13) TLR-107 Brilliant Reds. 276-033. Pkg. of 2/89. 8.99
(14) Blinking Red. Built-in IC driver. 276-036. 1.29
(15) Blinking Green. Built-in IC driver. 276-030. 1.29
(16) 10-Segment LED Bar-graph Display. 20-pin DIP. 276-081. 2.99
(17) 7-Segment LED Digital Display. 0.3", 14-pin DIP socket. 276-075. 1.79
(18) Snap-In Holders for T-1 LEDs. 276-078. Pkg. of 5/59. 5.99
(19) T-1¾ LED Holders. Snap into 1/4"-diameter panel holes. 276-079. Pkg. of 5/59. 5.99
(20) Chrome T-1¾ LED Holders. 276-080. Pkg. of 2/1. 1.99
(21) Chrome 10 mm LED Holder. 276-083. 1.49
(22) SY-R53L Infrared LED. High output with low power requirement. 276-143. 1.69
(23) SY32PT IR Phototransistor. High-speed NPN. Rated 50 mW. T-1¾ case. 276-145. 9.99
(24) IR Pair. Matched infrared LED transmitter and phototransistor detector. 276-142. Set 1.99
(25) IR Detector Module. Has IR detector, amp, limiter, bandpass filter, demodulator, integrator and comparator. Board-mountable, 1/4 x 1/2 x 1/4". 5VDC. With data. 276-137. 3.49
(26) MOC3010 Optocoupler. Ideal for IR control and interfacing. 6-pin DIP. 276-134. 1.99
(27) NEW! Infrared Sensor. Use to identify and locate near-Infrared radiation emanating from either an LED or laser source. 276-099. 5.95

Infrared LEDs, Accessories

(22) SY-R53L Infrared LED. High output with low power requirement. 276-143. 1.69
(23) SY32PT IR Phototransistor. High-speed NPN. Rated 50 mW. T-1¾ case. 276-145. 9.99
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(26) MOC3010 Optocoupler. Ideal for IR control and interfacing. 6-pin DIP. 276-134. 1.99
(27) NEW! Infrared Sensor. Use to identify and locate near-Infrared radiation emanating from either an LED or laser source. 276-099. 5.95

Solderless IC Breadboards and Accessories

(1) Universal Breadboard. Our finest! This 2½ x 6½" molded board is mounted on a 7 x 4½" "stay put" steel base with rubber feet. Accepts DIPs, discrete components and jumper wires (Fig. 5 recommended). Provides a total of 640 plug-in tie points and has three binding posts for external connections. Will provide many years of service. Excellent value! 276-169. 19.95
(2) 6" Modular IC Breadboard Socket. Silver-nickel low-resistance contacts. Features two bus strips, 550 indexed connection points. Modular—you can attach more sockets for complex designs. 2½ x 6½". 276-174. 11.95
(3) Matching Printed Circuit Board. Layout matches modular breadboard sockets shown in this section. Features a total of 550 pre-drilled, indexed connect points. 2½ x 6½". 276-175. 7.49
(4) Modular IC Breadboard Socket. Smaller version of Fig. 2 with 270 connection points. 2½ x 3½ x 1½". 276-176. 7.49
(5) Jumper Wire Kit. Speeds building! Includes 140 insulated, pre-stripped wires—10 of 14 different lengths—in a snap-shut plastic box. 276-173. Set 4.95

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Archer brand semiconductors are 100 percent manufacturer’s first-quality devices—NOT floor sweepings or rejects. (When we offer a special purchase, this fact is shown on the package and in our ads.) Most Archer items are factory-marked and date-coded, your assurance of getting the latest version. Whether for a younger’s project or replacement in an important business machine, you can depend on its quality. That’s a promise from Radio Shack—the company that has specialized in electronics for 71 years!
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Digital Logic Probe With Beeper
The fast way to "peek" inside TTL, LS and CMOS digital circuits, memory, microcomputer and peripheral ICs. LEDs indicate hi/low/pulsed logic states (up to 10 MHz). Simultaneous tone output frees eyes for faster testing. Switches for normal or pulsed modes. Input: 100,000 ohms. Minimum detectable pulse width: 50 ns. 4.7 to 15VDC. Powered by tested circuit. 22403 ... 16.95

Adjustable Voltage Regulator ICs
• Ideal for Variable Power Supplies
(1) LM723, Adjustable 2 to 37VDC output. 150 milliamps maximum. 14-pin DIP. Essential for safe soldering. 276-1740 ... 1.19
(2) LM317T. Adjustable from 1.2 to 27VDC output. Heat sink such as our #276-1363 is required for maximum current rating of 1.5 amps. TO-220 style case. 276-1778 ... 1.99

Fixed-Voltage Regulator ICs
Feature built-in overload protection and thermal shutdown. Maximum Input: 35VDC. Heat sink such as Radio Shack #276-1363 is required for full 1 amp current rating. TO-220 cases.
- 7805: +5V, ±1.5V, 276-1770 ... 1.19
- 7812: +12V, ±2.5V, 276-1771 ... 1.19

4000 Series Digital CMOS ICs

TTL Digital ICs

<table>
<thead>
<tr>
<th>Description</th>
<th>Type</th>
<th>Cat. No.</th>
<th>Each</th>
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<td>Quad 2-Input NOR Gate</td>
<td>4000</td>
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<td>Quad 2-Input NAND Gate</td>
<td>4011</td>
<td>276-2411</td>
<td>.99</td>
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<td>Dual Type-D Flip Flop</td>
<td>4013</td>
<td>276-2413</td>
<td>1.19</td>
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<td>Decade Counter/Divider</td>
<td>4017</td>
<td>276-2417</td>
<td>1.48</td>
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<td>Inverting Hex Buffer</td>
<td>4043</td>
<td>276-2449</td>
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PC Board-Mount IC Sockets

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<td>14-Pin</td>
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<td>28-Pin</td>
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<tr>
<td>40-Pin</td>
<td>276-1996</td>
<td>.99</td>
</tr>
</tbody>
</table>

Tools for Safe IC Handling

(1) IC Inserter/Extractor Set. Install and remove 6-pin to 40-pin DIPs without damage. Extractor works with LSI, MSI and DIP devices. Both tools are groundable. 276-1581 ... 6.95
(2) IC Pin Aligner. With just a squeeze bent pins become factory-straight. For 6-pin to 40-pin DIPs. Groundable. 276-1594 ... 3.49
(3) Static-Draining Wrist Strap. Has 24" ground lead with clip. 276-2397 ... 3.29
(4) Heat Sink for Soldering of semiconductors and low-power passive components. 276-1567 ... 1.39

Top-Quality Rectifier Diodes

<table>
<thead>
<tr>
<th>Type</th>
<th>Peak Inverse Voltage (PIV)</th>
<th>Cat. No.</th>
<th>Package of 2</th>
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<td>1N4004</td>
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<td>1N4005</td>
<td>600</td>
<td>276-1104</td>
<td>.79</td>
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(2) 3-Amp "Barrel" Diodes. Rated 200-amp surge.
<table>
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<th>PIV</th>
<th>Cat. No.</th>
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<td>1N5400</td>
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<td>1N5404</td>
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<td>276-1114</td>
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PTC205 2.5-Amp, 1000 PIV Silicon Diodes. Excellent for high-voltage, high-current power supplies. 276-1114 ... Pkg. of 3/1.49

1-Watt Zener Diodes

<table>
<thead>
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<th>Voltage</th>
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<td>1N4742</td>
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<td>1N4744</td>
<td>15.0</td>
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<td>2.69</td>
</tr>
</tbody>
</table>

Switching and Signal Diodes

(1) 1N914/4148. Popular silicon switching-type diodes. 75 PIV. 276-1123 ... Pkg. of 10/99c
(2) 1N34A. Hard-to-find general-purpose germanium signal diodes. 60 PIV. 276-1123 ... Pkg. of 10/99c
Radio Shack can supply a wide variety of switching, rectifier and signal diodes through our Special-Order Parts Hotline—see details on page 140.

SCRs and Triacs

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Type</th>
<th>Cat. No.</th>
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<td>600V</td>
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<td>1A</td>
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Full-Wave Bridge Rectifiers

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<td>100</td>
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<td>400</td>
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<tr>
<td>2A</td>
<td>276-1161</td>
<td>89c</td>
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</table>

(2) 1-Amp, 50 PIV. Two fit into a 14-pin DIP socket. 276-1161 ... 89c
(3) 25-Amp, 50 PIV. Metal case for maximum heat dissipation. Center mtg. hole. 276-1185 ... 2.69
(4) 8-Amp, 250 PIV. Mtg. hole. 276-1181 ... 2.19
(5) 1.5-Amp, 100 PIV. Compact. 276-1152 ... 1.19
Radio Shack Can Replace Over 60,000 Transistor Types

Each transistor includes data and pin-out. Refer to Semiconductor Reference Guide (described at left) for complete data and cross-reference list.

<table>
<thead>
<tr>
<th>Direct Commercial Equivalent</th>
<th>Replaces*</th>
<th>Pol.</th>
<th>Use</th>
<th>Diss.</th>
<th>Case</th>
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* N-channel Field-Effect Transistors (FETs)

- In most circuits. See product pack for exact device spec.
- D = Darlington
- P = Audio Amp, Switch
- GP = General Purpose
- SW = Switch

Heat Sinks and Mounting Hardware

(1) TO-220 Heat Sink. Designed for PC board-mounted power semiconductors. 276-1363 .89
(2) Mounting Hardware. For TO-3 case. With screws, insulating washers, solder lug, bushings. 276-1371 Set .99
(3) Heat Sink Grease. 3.5 grams. 276-1372 1.59

TV Horizontal Output Transistor

(1) 2SC1308. High-Voltage NPN-type transistor used as horizontal output in many final TV sets. Replaces ECG-238, GE-28 and SK-3115. TO-3 case. 276-2055 8.95
(2) IRF-511 Power MOSFET. Ideal for switching-type power supplies and power inverters, relay drivers and motor controllers. Also great for experimental designs—it has been successfully used in audio and RF power amplifiers. High immunity to thermal runaway. Easily paralleled. Handles up to 60VDC and 3 amps. "On" resistance only 0.8 ohm. 276-2072 1.99

Wire Wrapping for Faster Building

(1) Wire-Wrapping Tool. Makes solid wrap connections faster and easier than soldering. Strips, wraps, and wraps 30-gauge wire. 276-1570
(2) Wire-Wrapping Posts. Insert and securely lock into standard perf and PC boards. 0.025" square. 276-1999 Pkg. of 20/99c
(3) 30-Gauge Wire. 50 feet. Each 2.39
(4) Wire-Wrapping Sockets. Square 0.025" posts accept three levels of wire. Pkg. of 20/99c

---

**Engineer's Mini-Notebook Series by Forrest Mims III**

Explore the fascinating world of electronics! These "notebooks" feature the friendly style made famous by Mims—big diagrams, concise hand-lettered text plus safety tips and suggestions for further experiments.

- **Science Projects.** Build interesting projects using common household materials and Radio Shack parts. Construct simple batteries, capacitors, a super capacitor, light and moisture sensors, wind speed indicator, even a simple ground-motion "earthquake" detector. 48 pages. 276-5018
- **Timer ICs.** For 555/556 ICs. 32 pages. 276-5010
- **Op Amps.** Learn how to use these versatile ICs. 48 pages. 276-5011
- **Optoelectronics.** Subjects range from simple LEDs to lightwave communication systems. 48 pages. 276-5012
- **Basic Semiconductor Circuits.** Learn to use transistors, LEDs, FETs, diodes and more. 48 pages. 276-5013
- **Digital Logic Circuits.** Handy data on the use and operation of gates, TTL and CMOS devices, plus logic families. 48 pages. 276-5014
- **Communications Projects.** Build telegraphs, lightwave communication and radio receiver projects. 48 pages. 276-5015
- **Formulas, Tables and Basic Circuits.** Understand and use Ohm's law, parallel and series resistance formulas, more. 48 pages. 276-5016
- **Schematic Symbols.** Covers device packages, design and includes troubleshooting tips. 48 pages. 276-5017
PC PROJECT BOARDS AND ENCLOSURES

Plug-Ins and Perfboards

(1) NEW! PC/XT Plug-In Board. For breadboarding digital and analog circuits. Plated-through holes. 100 centers. Use with (2) and (3) below. 276-1598, 29.95
(2) 62-Position PC/XT Bus Card-Edge Connector. For short cards. 276-1453, 2.95
(3) NEW! DB25 Fem. Rt-Angle Connector. 276-1504, 2.69

Predrilled Boards

(1) Grid Boards. Solder-ringed holes accept DIPs, sockets, headers. Indexed for pin-out identification.

<table>
<thead>
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<th>Size</th>
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<td>1 1/16 x 2 1/16&quot;</td>
<td>356</td>
<td>276-149</td>
<td>1.29</td>
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</table>

Box and PC Board Combos

(1) Archer PERFBOX® Circuit Board. Just add your circuit includes predrilled 2 x 3 1/2" board. Molded enclosure is 3 1/2" x 2 1/4" x 1 1/4". With labels, protective feet, and hardware. 270-291, 29.95
(2) Project Box With PC Board. Handsome gray enclosure with aluminum cover. 3 1/4 x 2 1/4 x 1 1/4". With assembly hardware and protective feet. 270-293, 3.99

Metal Cabinet & "Beeper" Case

(1) Metal Cabinet. Attractive all-metal enclosure features a top-mounted PC board and component mounting. 3 x 5 1/8 x 5 5/8". 270-253, 6.79
(2) Transmitter Case. For RF or IR control, beeper, portable device. Durable case has removable end panel, 9V battery compartment. 3 1/4 x 2 1/4 x 1 1/4". 270-293, 3.99

Power Supply/Project Case

Well-ventilated top and top make it ideal for power supply or other heat-producing circuit. Inside has elevated mounting posts and a transformer, plus elevated drop-in mount for adding a 2 1/2 x 1 1/4" PC board for rectifiers, filters, caps and regulator. Predrilled power cable holes at ends and built-in strain relief. 2 1/2 x 4 1/8 x 3 1/4" with hardware. 270-287, 3.99

Metal Project Enclosures

(1) Metal P-Box® Enclosure. With assembly hardware.

<table>
<thead>
<tr>
<th>Fig.</th>
<th>Size</th>
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Experimenter Enclosures

With internal slots for mounting a PC board

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Metal Project Enclosures

(1) Metal P-Box® Enclosure. With assembly hardware.

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<th>Size</th>
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<th>Each</th>
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<tr>
<td>2-3</td>
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<tr>
<td>3-4</td>
<td>5 1/8 x 2 1/8 x 1 1/4&quot;</td>
<td>270-233</td>
<td>2.29</td>
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<tr>
<td>4-5</td>
<td>4 x 2 1/8 x 2 1/8&quot;</td>
<td>270-232</td>
<td>2.49</td>
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Heavy-Duty Construction

(1) Standoffs With Screws. These 1/8"-high metal studs simplify board mounting. 276-195, 4.49
(2) PC Board Wire Terminals. Two-pos. For reliable wire hookups. 276-1388, 4.99
(3) Circuit Symbols Template. This durable guide makes it easy to draw industry-standard schematics. 276-180, 3.95

Etch Your Own PC Boards

(1) PC Board Kit. Two 4 1/2 x 3" copper-clad boards. Resist-in-ink pen, solvent, etchant, layout strips and circles, tank, 1/2" drill bit, instructions. 276-1576, 9.95
(2) Extra Pen. 276-1830, 1.79
(3) Extra Etchant, 16 oz. 276-1535, 2.69
(4) Double-Sided PC Board. 4 1/8 x 6 1/4". 276-1499, 3.99
(5) Direct-Etch Dry Transfers. With rub-on circles, strips, IC pads. Make prototyping easy. 276-1577, 4.99
Peripheral Hookup Helpers

(2) Shielded Shunt Box. Wire the included PC board to suit your application. 276-1403 .......................... 9.95
(3) DIP Programming Shunts. 2-position. Used in many computer boards. 276-1512 .......................... 10.29

D-Sub Hoods

Fig. Description Cat. No. Each
1 9-Position Metal 276-1508 2.19
2 25-Position Metal 276-1510 2.79
2 9-Position Nonshielded 276-1539 7.95
2 25-Position Nonshielded 276-1549 8.95
3 9-Position Metalized 276-1513 1.49
3 25-Position Metalized 276-1536 1.99
(4) 25-Pos./Gender-Changer. 278-1520, 1.79

DIN Plugs

Fig. Positions Cat. No. Each
1 4 274-007 1.69
2 5 274-003 1.69
3 6 274-020 1.79
4 7 274-029 1.79
5 8 274-026 1.79

Solder-Type D-Subs

Quality gold-plated pins and terminals. Metal shell for shielding.

Position Type Cat. No. Each
9 Male 276-1537 1.99
9 Female 276-1536 1.29
25 Male 276-1547 1.49
25 Female 276-1546 1.99

Crimp-Style D-Subs


gold-plated contacts

Position Type Cat. No. Each
9 Male 276-1427 9.99
9 Female 276-1428 1.49
25 Male 276-1429 1.99
25 Female 276-1430 2.49

Twisted-Pair Networking

Adapters to let you use phone wire instead of more costly shielded cable in local area networks.

(1) RS-232 to Modular Adapter. Female D-sub 25 to RJ-45 (8-position) modular jack. 276-1406 .......................... 4.49
(2) Male D-Sub 25 Connector to RJ-11 (6-position) Modular Phone Jack. 276-1405 .......................... 2.99

Solderless IDC-Type Connectors

Fig. Description Cat. No. Each
1 25-Position D-Sub Male 276-1599 3.99
2 25-Position D-Sub Female 276-1565 3.99
3 34-Position Header 276-1525 4.99
4 36-Position Male Printer 276-1533 4.99
5 34-Position Card Edge 276-1564 1.99

Multiconductor Cable

(1) 4-Conductor Double-Shielded Cable. 30 feet. 278-7777 .......................... 7.95
(2) Nonshielded Ribbon Cable. For computer hookups. 25-conductor. 5 feet. 278-772 .......................... 3.59
36-Conductor. 6 feet. 278-774 .......................... 4.69

Grounded ■ UL Listed

(1) NEW! 12' CEE Cord. 278-1261, 5.99
(2) 6' CEE Cord. 278-1257. 3.99
(3) 6' Cord With Rt.-Angle CEE Connector. For tight spaces. 278-1260, 5.99
(4) 6' CEE Extension. 278-1259 . 4.99

Archer® Prewired, Panel-Mount Modules

(1) Thermometer/Controller. Use "as-is" for a thermometer or add simple circuits to control buzzer, LED, fan or heater at your preset temperatures. H/I/O activation temps, -40 to +122° F and -40 to +50° C ranges, 1/2" LCD display. 2 1/4 x 1 1/4 x 1/2". Requires "AA" battery. Draws only 10 microamps. Provide cord, data. 277-123 .......................... 19.95
(2) Electronic Counting Module. Counts to 99,999. Advanced by external switch closure or digital circuit. Use for event or traffic counter. Count rate up to 7 Hz. 1/2" LCD display. 2 1/4 x 1 1/4 x 1/2". Easily panel-mounted. Requires "AA" battery. Operating current is only 4 microamps. With data. 277-302 .......................... 16.95

Radio Shack — America's Electronics Store for Builders Since 1921

For 1992, Radio Shack continues its tradition of offering a wide selection of electronics for professionals, experimenters and students. We carry components and accessories to meet almost every need—all at reasonable prices and available at 7000 stores—including one near you.

SEE PAGE 96 FOR INFORMATION ON QUANTITY DISCOUNTS
### Inline Phone Jacks

- Ideal for Building Extension Cords

<table>
<thead>
<tr>
<th>Size/Cond.</th>
<th>Cat. No.</th>
<th>Price</th>
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<tr>
<td>1/8&quot; open circuit</td>
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<td>5/32&quot; closed circuit</td>
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### Open-Frame Jacks

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### Enclosed Jacks

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<tr>
<td>1/8&quot; open circuit</td>
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<tr>
<td>5/32&quot; closed circuit</td>
<td>274-252</td>
<td>2/1.79</td>
</tr>
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</table>

### Phono Plugs

- 1/8" phone plugs: 274-380 (2.49)
- 1/4" phone plugs: 274-381 (2.49)
- 5/32" phone plugs: 274-383 (2.49)
- 3/32" phone plugs: 274-384 (2.49)
- 1/4" shielded phone plugs: 274-385 (2.49)
- 1/8" Solderless 90°: 274-386 (1.69)
- 1/4" Solderless 90°: 274-387 (1.69)
- 1/8" with color-coded covers: 274-388 (1.69)
- 1/4" with color-coded covers: 274-389 (1.69)
- Shielded type: 274-390 (1.69)
- Strain relief: 274-391 (1.69)
- 1/8" shielded right-angle plugs: 274-392 (1.69)
- 1/4" shielded right-angle plugs: 274-393 (1.69)
- 3/32" shielded right-angle plugs: 274-394 (1.69)
- 5/32" shielded right-angle plugs: 274-395 (1.69)

### Phono Jacks and Jack Boards

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### XLR "Pro" Microphone Connectors

<table>
<thead>
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<th>Type</th>
<th>Price</th>
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<tr>
<td>Three-Pin Plug</td>
<td>274-010</td>
</tr>
<tr>
<td>Three-Pin Inline Socket</td>
<td>274-011</td>
</tr>
<tr>
<td>Three-Pin Panel Socket</td>
<td>274-012</td>
</tr>
<tr>
<td>Adapter/Transformer</td>
<td>274-013</td>
</tr>
<tr>
<td>Adapter/Transformer</td>
<td>274-014</td>
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### Gold-Plated Phone and Phone Connectors

<table>
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<tr>
<td>Phono Plug</td>
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<td>Two-Conductor (Mono) 1/4&quot; (6.35mm) Phone Plug</td>
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<tr>
<td>Three-Conductor 1/4&quot; Plug</td>
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### Shielded DIN

- 1 DIN plugs: 274-007 (1.69)
- 2 DIN plugs: 274-008 (1.69)
- 4 DIN plugs: 274-009 (1.69)
- 5 DIN plugs: 274-010 (1.69)
- 5 DIN plugs: 274-011 (1.69)
- 5 DIN plugs: 274-012 (1.69)
- 5 DIN plugs: 274-013 (1.69)
- 5 DIN plugs: 274-014 (1.69)

### Plug and Inline Jack Set

- Two-Conductor (Monaural) 1/4": 4-piece set | 274-823 | 4.20
### Audio Adapters — Hookups Made Easy!

#### These Plug Into 1/8” Monaural Jack
- **1** Accepts 1/8” Stereo Plug. Use your lightweight stereo headphones with TVs, radios, walkie-talkies, scanners. 274-368 1.19
- **2** Accepts Two 1/8” Monaural Plugs. 274-310 1.99
- **3** Accepts 1/8” Mono Plug. Adapts 1/8” earphone plug. 274-328 1.79
- **4** Accepts 1/8” Stereo Plug. Use full-size stereo headphones with TVs, radios, walkie-talkies, scanners. 274-361 1.99
- **5** Accepts 1/8” Monaural Plug. 274-047 1.29
- **6** Accepts Phono Plug. 274-330 1.69

#### These Plug Into 1/8” Stereo Jack
- **1** Accepts Phono Plug. 274-378 1.99
- **2** Accepts Two 1/8” Monaural Plugs. 274-375 3.39
- **3** Accepts Two 1/8” Stereo Plugs. Share your music! Use two stereo head-phones with one 1/8” stereo headphone jack. 274-313 3.29
- **4** Accepts 1/8” Stereo Plug. 274-366 1.79
- **5** Accepts 1/8” Monaural Plug. 274-374 1.69
- **6** Accepts Two Phono Plugs. 274-369 2.49
- **7** Accepts 1/8” Stereo Plug. 274-372 2.49

#### These Plug Into 1/4” Monaural Jack
- **1** Accepts 1/4” Stereo Plug. Use lightweight stereo headphones with TV:s, radios, walkie-talkies, scanners. 274-348 1.99
- **2** Accepts 1/4” Stereo Plug. Use full-size stereo headphones with CB, Ham and scanner radios, monaural recorders. 274-348 1.99
- **3** Accepts 1/4” Monaural Plug. 274-325 1.59
- **4** Accepts Two Phono Plugs. 274-303 1.99
- **5** Accepts Two 1/4” Plugs. 274-309 2.99
- **6** Accepts Phono Plug. 274-320 Pkg. of 2/2.79

#### These Plug Into 1/4” Stereo Jack
- **1** Accepts 1/4” Stereo Plug. Use "mini" headphones with a 1/4” stereo head-phone jack. Strain-reducing right-angle design. 274-371 2.99
- **2** Straight Version of Fig. 1. 274-367 1.79
- **3** Accepts Two Phono Plugs. 274-308 3.79
- **4** Accepts Two 1/4” Stereo Plugs. 274-302 3.99
- **5** Accepts 1/4” Monaural Plug. 274-1520 1.99
- **6** Accepts 1/4” Monaural Plug. 274-363 1.99
- **7** Accepts Phono Plug. 274-365 1.39

#### 3/32” Submini Adapters
- **1** Accepts 3/32” Stereo Plug. Plugs Into a 1/8” Stereo Jack. 274-373 2.99
- **2** Accepts 3/32” Stereo Plug. Plugs Into a 1/4” Mono Jack. Use stereo phones with Ham hand-talkies, scanners. 274-381, 1.99
- **3** Accepts 3/32” Mono Plug. Fits 1/8” Mono Jack. 274-327, 1.29

#### Gold-Plated Adapters
- **1** Accepts 1/4” Stereo Plug. Plugs Into a 1/8” Stereo Jack. Use full-size stereo headphones with a portable. 274-875, 2.99
- **2** Accepts 1/4” Stereo Plug. Plugs Into a 1/4” Stereo Jack. Use "mini" stereo phones with home stereo. 274-876, 2.99
- **3** NEW Phono Plug Coupler. 274-874 1.99

#### Recording Attenuator and Adapter Set
- **1** Recording Level Attenuator. Accepts phono plug. Plugs into 1/8” mono jack. Lets you connect line-level sources to a recorder's mike input. 274-300 2.79
- **2** Mono Adapter Set. Adapts phono plug, 1/4” phone plug and 3/32” submini plug to fit 1/8” mono jack. 274-359 Set 2.99

#### Microphone Connectors
- **1** Eight-Pin Amateur Radio Mike Plug. Fits many popular transceivers. It's just what you need for adapting mike plugs to fit your transceiver and connecting packet TNC and accessories. 274-025 2.19
- **2** Four-Pin Panel-Mount Socket. 274-002 1.29
- **3** Four-Pin Plug. 274-001 1.69

#### Handy Plug-to-Plug Couplers
- **1** Accepts Two 1/4” Stereo Plugs. 274-1556 2.39
- **2** Accepts Two 1/8” Stereo Plugs. 274-1555 1.59
- **3** Accepts Two Phono Plugs. 274-1553 Pkg. of 2/1.39
- **4** NEW Dual Phono Coupler. Each section accepts two phone plugs. Just the thing for adding on another stereo patch cable for longer length. Left and right color-coded. 274-1548 4.99

---

**SEE PAGE 102 FOR OUR BIG SELECTION OF AUDIO PATCH CORDS**
RF CONNECTORS, ADAPTERS AND TOOLS

75-Ohm TV/VCR/FM Connectors

<table>
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<th>Fig</th>
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<td>16</td>
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UHF Connectors and Adapters

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<tr>
<td>11</td>
<td>BNC Plug</td>
<td>278-239</td>
<td>2.99</td>
</tr>
<tr>
<td>12</td>
<td>Male F</td>
<td>278-236</td>
<td>2.99</td>
</tr>
<tr>
<td>13</td>
<td>Mini UHF Plug</td>
<td>278-237</td>
<td>3.49</td>
</tr>
</tbody>
</table>

Installation/Stripping Tools

<table>
<thead>
<tr>
<th>FIG.</th>
<th>Accepts</th>
<th>CAT. No.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Economy Crimping Tool</td>
<td>278-220</td>
<td>2.79</td>
</tr>
<tr>
<td>2</td>
<td>Medium-Duty Hex Crimping Tool</td>
<td>278-224</td>
<td>6.95</td>
</tr>
<tr>
<td>3</td>
<td>Precision Coax Cable Cutter</td>
<td>278-244</td>
<td>5.99</td>
</tr>
<tr>
<td>4</td>
<td>Coax Cable Stripper</td>
<td>278-240</td>
<td>12.95</td>
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</tbody>
</table>

MINI-UHF ADAPTERS

<table>
<thead>
<tr>
<th>FIG.</th>
<th>Accepts</th>
<th>MINI-UHF</th>
<th>CAT. No.</th>
<th>Each</th>
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<tbody>
<tr>
<td>1</td>
<td>Double-Female Adapter</td>
<td>PL-259</td>
<td>2.99</td>
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<tr>
<td>2</td>
<td>T Adapter</td>
<td>Female-Female Type Power Divider</td>
<td>2.99</td>
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TNC CONNECTORS

<table>
<thead>
<tr>
<th>FIG.</th>
<th>Accepts</th>
<th>TNC</th>
<th>CAT. No.</th>
<th>Each</th>
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<tbody>
<tr>
<td>1</td>
<td>No-Crimp Solderless Male TNC</td>
<td>278-184</td>
<td>5.99</td>
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<tr>
<td>2</td>
<td>Twist-On Male TNC Connector</td>
<td>278-140</td>
<td>1.99</td>
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<tr>
<td>3</td>
<td>Push-On Adapter</td>
<td>Converts a screw-on TNC male to push-on type</td>
<td>278-133</td>
<td>3.99</td>
</tr>
<tr>
<td>4</td>
<td>Double-Female TNC</td>
<td>278-142</td>
<td>1.99</td>
<td></td>
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<tr>
<td>5</td>
<td>TNC Female Connectors</td>
<td>278-137</td>
<td>3.99</td>
<td></td>
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<tr>
<td>6</td>
<td>Adapter, Accepts PL-259 Plug</td>
<td>PL-259</td>
<td>3.49</td>
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N CONNECTORS

<table>
<thead>
<tr>
<th>FIG.</th>
<th>Accepts</th>
<th>Cat. No.</th>
<th>Each</th>
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<tbody>
<tr>
<td>1</td>
<td>Male N</td>
<td>For RG-8 cable</td>
<td>278-149</td>
</tr>
<tr>
<td>2</td>
<td>Female N</td>
<td>For RG-59 cable</td>
<td>278-151</td>
</tr>
<tr>
<td>3</td>
<td>PL-259 Adapter</td>
<td>PL-259</td>
<td>3.99</td>
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GOLD-PLATED ADAPTERS

<table>
<thead>
<tr>
<th>FIG.</th>
<th>Accepts</th>
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<th>Each</th>
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<tbody>
<tr>
<td>1</td>
<td>F-81 Coupler</td>
<td>Female-Female Type</td>
<td>278-305</td>
</tr>
<tr>
<td>2</td>
<td>Male N</td>
<td>For RG-8 cable</td>
<td>278-201</td>
</tr>
<tr>
<td>3</td>
<td>Female N</td>
<td>For RG-59 cable</td>
<td>278-202</td>
</tr>
<tr>
<td>4</td>
<td>Male F</td>
<td>For RG-58 cable</td>
<td>278-203</td>
</tr>
</tbody>
</table>
Two-Conductor Speaker Wire


SPT-2. 16-gauge, 2-conductor stranded. UL listed. 100 feet 278-1430  ...  7.99

Black Probe Wire. 278-564 ... 2.99

Specialty Wire
(1) Magnet Wire Assortment. For coil winding. Includes 40 feet of 22-gauge, 25 feet of 26-gauge and 200 of 30-gauge. 278-1345 ... 4.99
(2) Solid Bus Wire. 24-gauge tinned copper. 50 feet 278-1341 ... 1.79
(3) NEW! Probe Wire. 20-ga. stranded. UL 25 feet. Red. 278-563 ... 2.99

(4) NEW! Intercom, Alarm Wire. 3-cond. stranded. UL listed. 50 feet. 278-871 ... 4.99

(2) Intercom Wire. 4-conductor solid. 24-gauge. UL 25 feet. 278-857, 3.99
Intercom Wire. 2-conductor solid. 24-gauge. UL 35 feet. 278-857, 3.99

(3) Alarm Wire. 2-conductor stranded. 22-gauge. UL 100 ft. 278-862, 7.99
Alarm Wire. 500 feet. 278-1509, 21.99

Lamp Cord
(1) SPT-1. 18-gauge, 2-conductor stranded. UL listed. 100 feet 278-1430 ... 14.99
SPT-2. 16-gauge, 2-conductor stranded. UL listed. 100 feet 278-1440 ... 21.99

Double-Shielded 4-Cond.
(1) For data and audio. Very high quality cable with 100% foil wrap plus 75% braided shield. 30 feet. 278-777, 7.95

Colled Mike Cable
(2) Premium quality at low cost! Ideal for replacing CB, Ham and marine radio mike cords. Four conductors (one is shielded). 5 feet. 278-356 ... 2.99

NEW! Coax Cable
Made in USA by Us
Now an even better value! Ideal for Amateur Radio, CB, scanner, TV and FM radio hookups. UL listed.

NEW! Telephone Cable and Cord
(1) Indoor-Outdoor. Rugged 4-conductor cable. 24-gauge solid. UL. 250 ft. 278-386 ... 34.99
(2) Four-Conductor. 24-gauge solid. UL listed. 50 ft. 278-872, 4.99
Bulk. 278-3130 ... 4.49

NEW! Hookup Wire
Type AWM
UL Recognized

Antenna Wire and Accessories
(1) Portable Shortwave Antenna. DX grabber! Clips over rod antenna. Wire extends to 23 feet and rolls up on compact travel/storage reel. 278-154 ... 3.99
(2) SW Antenna Kit. 75 ft. wire, 50 ft. lead-in, window feedthrough, insulators. 278-758 ... 8.49
(3) Antenna Wire. 70 ft. of extra-strong 14-gauge, 7-strand copper. 278-1329 ... 5.99
(4) Mini-Egg Insulators. 278-1335, Pkg. of 2/2.99
(5) "Dogbone" Insulator. 3/4". 278-1336 ... 1.99
(6) Outdoor RF Connector Sealant. Keeps moisture out of hookups. 60" roll. 278-1645 ... 2.49

NEW! Shielded Mike and Audio Cable
(1) Balanced Mike Cable. Two shielded conductors. 30 ft. 278-1281 ... 19.95
(2) Mini Mike Cable. UL listed. 30 feet. 278-510 ... 4.99

Heavy-Duty Wire

Ready-to-Use "52-Ohm" RF Cable Assemblies
(1) 6-Foot BNC to BNC. For test instrument and RF hookups. 278-964 ... 5.99
(2) 2-Foot Cellular Phone Extension. Male TNC to female TNC. 278-975 ... 4.99
(3) 2-Foot RG-58 Patch. PL-259 at each end. 278-986 ... 4.99
(5) 5-Foot RG-8 Patch. PL-259 at each end. 278-969 ... 6.49
(6) NEW! 50-Foot RG-8 Patch. PL-259 at each end. 278-980 ... 32.99
(7) 6-Foot RG-58 Extension. PL-259 to SO-239, 278-975 ... 5.29
(8) 20-Foot Mobile Antenna Harness. PL-259 to spades. 278-986 ... 6.99

*RG-59 is NOT RECOMMENDED FOR CATV USE
Wide Selection of Top-Quality Relays—All Include Data and Handy Pin-Out Diagram

Radio Shack has an Archer® relay for nearly every need. All are enclosed to prevent contamination by dust and moisture. Fig. 8 fits a 14-pin DIP socket.

<table>
<thead>
<tr>
<th>Fig.</th>
<th>Description</th>
<th>Coll</th>
<th>Contacts and Rating</th>
<th>Size</th>
<th>Cat. No.</th>
<th>Each</th>
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<tbody>
<tr>
<td>1</td>
<td>Plug-In With Socket</td>
<td>12VDC, 75mA, 150Ω</td>
<td>DPDT. 3A at 125VAC</td>
<td>1¾&quot;x 1¼&quot;</td>
<td>275-206</td>
<td>5.99</td>
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<tr>
<td>2</td>
<td>10-Amp Plug-In</td>
<td>12VDC, 130mA, 160Ω</td>
<td>DPDT. 10A at 125VAC</td>
<td>1¾&quot;x 1¼&quot;</td>
<td>275-218</td>
<td>5.99</td>
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<tr>
<td>3</td>
<td>Socket for Fig. 2</td>
<td>12VDC, 15 mA, 450ΩQ</td>
<td>DPDT. 1A at 125VAC</td>
<td>1¾&quot;x 1¼&quot;</td>
<td>275-217</td>
<td>5.99</td>
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<tr>
<td>4</td>
<td>2-Amp SPDT Mini</td>
<td>7-9VDC, 18 mA, 500ΩQ</td>
<td>SPDT. 2A at 120VAC</td>
<td>1¾&quot;x 1¼&quot;</td>
<td>275-200</td>
<td>1.79</td>
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<tr>
<td>5</td>
<td>10-Amp DPDT Mini</td>
<td>12VDC, 38 mA, 320ΩQ</td>
<td>DPDT. 10A at125VAC</td>
<td>1¾&quot;x 2¾&quot;x 1½&quot;</td>
<td>275-248</td>
<td>2.99</td>
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<td>6</td>
<td>1-Amp DPDT Mini</td>
<td>12VDC, 43 mA, 280ΩQ</td>
<td>DPDT. 1A at 120VAC</td>
<td>1¾&quot;x 2¾&quot;x 1½&quot;</td>
<td>275-249</td>
<td>2.99</td>
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<tr>
<td>7</td>
<td>2-Amp SPDT Dip</td>
<td>5VDC, 72 mA, 70Ω</td>
<td>SPDT. 2A at 125VAC</td>
<td>1¾&quot;x 2¾&quot;x 1½&quot;</td>
<td>275-243</td>
<td>2.99</td>
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<tr>
<td>8</td>
<td>1-Amp SPDT Micro</td>
<td>5VDC, 90 mA, 55Ω</td>
<td>SPDT. 1A at 125VAC</td>
<td>1¾&quot;x 2½&quot;x 1½&quot;</td>
<td>275-240</td>
<td>1.99</td>
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<tr>
<td>9</td>
<td>1-Amp SPST Reed</td>
<td>5VDC, 20 mA, 250ΩQ</td>
<td>SPST. 1A at 125VAC</td>
<td>1¾&quot;x 2½&quot;x 1½&quot;</td>
<td>275-232</td>
<td>1.89</td>
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<td></td>
<td>1-Amp SPST Reed</td>
<td>12VDC, 11 mA, 1.05kΩ</td>
<td>SPST. 1A at 125VAC</td>
<td>1¾&quot;x 2½&quot;x 1½&quot;</td>
<td>275-233</td>
<td>1.89</td>
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UL Recognized Power Transformers

- 120 VAC Primary
- CT Indicates Center Tap

<table>
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<tr>
<th>Type</th>
<th>Volts</th>
<th>Current</th>
<th>Size in Inches</th>
<th>Cat. No.</th>
<th>Each</th>
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<tr>
<td>Miniature</td>
<td>12.6</td>
<td>300 mA</td>
<td>2½&quot;x 1½&quot;x 1½&quot;</td>
<td>273-1385</td>
<td>3.49</td>
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<tr>
<td>Miniature</td>
<td>12.6 CT</td>
<td>450 mA</td>
<td>1½&quot;x 2½&quot;x 1½&quot;</td>
<td>273-1365</td>
<td>4.29</td>
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<tr>
<td>Miniature</td>
<td>25.2 CT</td>
<td>450 mA</td>
<td>1½&quot;x 2½&quot;x 1½&quot;</td>
<td>273-1366</td>
<td>4.99</td>
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<tr>
<td>Standard</td>
<td>12.6 CT</td>
<td>1.2 A</td>
<td>1¾&quot;x 2½&quot;x 1½&quot;</td>
<td>273-1352</td>
<td>5.99</td>
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<tr>
<td>Heavy-Duty</td>
<td>12.6 CT</td>
<td>3.0 A</td>
<td>2½&quot;x 2½&quot;x 2</td>
<td>273-1511</td>
<td>8.99</td>
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<td>Heavy-Duty</td>
<td>18.0 CT</td>
<td>2.0 A</td>
<td>2½&quot;x 2½&quot;x 2</td>
<td>273-1515</td>
<td>9.49</td>
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<td>Heavy-Duty</td>
<td>25.2 CT</td>
<td>2.0 A</td>
<td>2½&quot;x 2½&quot;x 2</td>
<td>273-1512</td>
<td>9.99</td>
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</tbody>
</table>

Fast and Effective Fixes for RFI Problems

1. Snap-Together Choke Ferrite. Reduces transmission and pickup of RFI (radio-frequency interference). No cutting! Snaps over keyboard or peripheral cables, AC line cords, audio leads, coax. 273-105 4.99
2. Snap-Together Toroid Choke Core. Simply wind cable through core and snap together. Opening: ½"x ½". Stackable. 273-104 Pkg. of 27/9.5

Electro-Tite Mike Elements

(1) PC-Mount Omnidirectional. Has 20-15,000 Hz response. Requires 2-10VDC. 270-090 1.79
(2) Omnidirectional. Ideal for repairing or upgrading older mikes. Has excellent 30-15,000 Hz response. With leads. Requires 4-10VDC. 270-092 2.99

DC Voltmeter

0 to 15VDC. Great for monitoring voltage of a car electrical system or a power supply. Has jeweled movement. Mounts in a 1¾"-diameter round panel hole. 270-1754 7.95

ArcherPak Assortments | Super-Bargains, Only $1.98 Each

(1) 50 Silicon Switching Diodes. 1N914/1N4148-type. 276-1620 1.98
(2) 15 NPN Transistors. Switching type. 600 mW. 276-1617 1.98
(3) 15 PNP Transistors. Similar to 2N3906. 350 mW. 276-1604 1.98
(4) 25 Rectifier Diodes. Ten 1N4001s, five 1N4002s, five 1N4004s and five others are included. 276-1653 1.98
(5) 10 Rectangular LEDs. May include red, green, yellow, regular and high-efficiency types. Light up your projects and models! 276-1655 1.98
(6) 20 Assorted LEDs. May include MV-series, green, red, amber and Infrared emitters. 276-1622 1.98
(7) 4 Rectifier Diodes. Rated 6 amps, 50 PIV. 276-1661 1.98
(8) 5 Voltage Regulators. Includes one 7805, one 7812 and three other types. For power supply projects and replacement. 276-1660 1.98
(9) 5 Photocells. Cds photocells. Various styles and ratings. 276-1657 1.98
(10) Inductor Assortment. 30 pieces! May include RF, IF, video peaking coils, chokes and transformers. 273-1601 1.98
(11) 12 Trimmer Resistors. Assorted styles and values. 271-1605 1.98
(12) 100 Disc Capacitors. May include NPO, Hi-Q, N-750, Mylar and ceramic types. Assorted values. 272-801 1.98
(13) 20 Electrolytic Capacitors. Assorted values and styles. 272-802 1.98

RADIO SHACK® — THE ELECTRONICS PARTS PLACE® IN YOUR NEIGHBORHOOD
FANS, TRANSFORMERS, MOTORS & CLIPS

Our Quiet Fans Help Preserve Equipment

- End Heat Problems in Computers, Audio and Ham Equipment

1. **12VDC Brushless Micro Fan.** Tiny, tough and efficient! Great for cooling mobile equipment and hum or AC-sensitive circuits. 3.5 CFM airflow. Rated 150 mA. 3/8" x 3/8" x 3/8". 273-244
2. **12VDC Brushless 3" Fan.** Good choice for cooling mobile audio power amps and boosters. Low sound level —34 dB maximum. 27 CFM. 3/8" x 3/8" x 3/8". 273-243
3. **120VAC 4" Fan.** Powerful 65 CFM airflow is ideal for heavy-duty cooling applications. Rated 22 watts. UL recognized. Approximately 4" x 4" x 1/4". 273-241
4. **120VAC 3" Fan.** 32 CFM. The perfect cooling fan for many personal computers. Rated 10 watts. Special low-noise design. UL recognized. 3/4" x 3/4" x 3/4". 273-242

Audio Transformers

1. **1:1 Audio Isolation Transformer.** For tele- phone interconnects, inter-stage coupling, remote broadcasts, more. 600 to 900 ohms impedance. 273-1374
2. **Audio Output Transformer.** With 1000-ohm center-tapped primary and 8-ohm secondary. 273-1380

Hobby Motors

1. **Low-Voltage DC.** Ideal for robotics and solar-power demonstrations. 8300 RPM max. About 1 1/2" long (including shaft) by 1" diameter. 273-223
2. **High-Speed 12VDC.** Approximately 15,200 RPM at no load, 11,500 RPM under load. About 2" long (including shaft) by 1" diameter. 273-255

Test Equipment Adapters

1. **NEW! Dual Binding Posts to BNC Male.** Standard 3/8" spacing. 50-ohms impedance. 274-716
2. **NEW! Binding Post to Banana Plug.** Stackable. Set of 2. 274-716
3. **NEW! Dual Inline Banana-Type.** Jacks accept test probes, probe wire and/or banana plugs. 274-717

Banana Plugs, Binding Posts and Clips

1. **Stackable Banana Plugs.** Built-in jack allows multiple "chain" connections. Solder type. One red, one black. 274-734
2. **Solderless Banana Plugs.** Red, black. 274-721
3. **Flex Banana Plugs.** Solder type. Flexible strain relief. Ideal for building or repairing test leads. One red, one black. 274-730
4. **Banana Jacks.** Mount in 1/4"-diameter panel hole. Includes one red and one black. 274-725
5. **Multipurpose Posts.** Versatile—accept banana plugs, spades, phone tips, wires. Two red, two black. 274-661
6. **Nylon Binding Posts.** For 1/8" mounting holes. Accept up to 14-ga. wire. One red and one black. 274-862
7. **Rainbow Pack of Micro-Hook Clips.** Four colors. 270-355
8. **Mini Hook Clips.** One red, one black. 270-372

Heavy-Duty Battery Clips

1. **50-Amp.** For big jobs like repairing jumper cables or battery chargers. 4 1/2" long. Open to 1 1/4". 270-342
2. **30-Amp.** Ideal for hookup to battery posts. 3 3/4" long. Open to 1/2". 270-343
3. **10-Amp.** 2 3/4" long. Open to 1/2". 270-344

Color-Coded Jumper Cables

1. **Set of 10.** 14" long. Five colors. 278-1156
2. **Set of Four.** 30" long. Four colors. 278-001
3. **Set of Eight.** 24" long. Four colors. 278-1157
4. **Set of Six Heavy-Duty.** 40" long. Six colors. With insulated claw-type clips. 278-002

Assorted Test and Hookup Clips

1. **1 1/8" Mini.** Includes six red and six black. 270-1545
2. **1 1/4" Mini.** Set includes three black, three red, green and two yellow. 270-378
3. **1 1/8" Brass-Plated Micro.** Four red, four black. 270-1540
4. **2 1/4" Alligator.** Screw terminal. Five red, five black. 270-375
5. **2 1/4" Heavy-Duty Claw.** Rated 10A. Two black, two red. 270-349
6. **1 1/8" Claw.** Rated 5A. Two black, two red. 270-359
7. **2 14" Alligator.** Screw terminals. Five red, five black. 270-347
8. **6" Mini Alligator.** Five red, five black. 270-374
9. **5" Alligator.** Screw terminals. Two black, two red. 270-356
10. **2.5" Alligator.** Screw terminals. 270-345
11. **2" Alligator.** Screw terminals. 270-346
12. **1" All-Purpose Micro.** Have copper-plated, non-serrated ends. 270-373
13. **1 1/4" Mini.** One amp. Solder type. 270-380

152

SEE OUR VALUE-PACKED LINE OF TEST EQUIPMENT AND ACCESSORIES ON PAGES 138-139.
Illuminated AC Switches

(1) Lighted 125VAC SPST Push On/Push Off. Heavy-duty 10-amp rating. For 125VAC use only. Button lights when switch is on. 3/8"-diameter stem. 275-671 .......................... 3.99

(2) Lighted 125VAC SPDT Push On/Push Off. Rated 3 amps at 125VAC. Replaceable lamp requires 12 volts, AC or DC. 3/8"-diameter stem. 275-676 ............... 4.99

Replacement Bulb for Fig. 2. "Bi-pin" type miniature 12-volt, 40 mA lamp designed for long life. 272-1154 ................. 1.29

Push On/Off and Momentary Switches

(3) SPST Push On/Push Off. 3 amps at 250VAC. 3/8"-diameter stem. 275-011 ................. 1.39

(4) SPST Push On/Push Off. 3 amps at 250VAC. 3/8"-diameter stem. 275-617 ............... 1.69

(5) SPST "Soft-Feel" Push On/Push Off. 3 amps at 125VAC. 3/8" stem. 275-1565 .......... 1.99

(6) SPST Momentary. N.O. 0.5A at 125VAC. 3/8" stem. 275-1566 .............. 1.89

(7) Mini SPDT Push On/Push Off. Rated 3A at 125VAC. 3/8"-diameter stem. 275-1555 ........ 2.49

(8) Mini SPDT Momentary Pushbutton. 3A at 125VAC. 3/8"-diameter stem. 275-1549 .... 2.59

(9) Mini SPDT Momentary. Rated 0.5A at 125VAC. 3/8" stem. Normally open. Solder lug terminals. 275-1548 ............... 2.89

(10) SPST Mini Momentary Pushbutton. 3A at 125VAC. 3/8"-diameter stem. 275-1556 .... 1.99

Wide Selection of DIP, Lever, Mercury, Knife, Rotary, Slide and Rocker Switches

(1) SPDT With 3/8" Roller Lever. Operating force: 5 grams. Rated 5 amps at 250VAC. 3/8"x3/16"x9/32". UL listed. 275-017 ................. 1.79

(2) SPDT With 3/8" Lever. Rated 5 amps at 250VAC. 275-016 .......... 1.69

(3) NEW! Mercury Bulb. Just the thing for motion detectors and science fair projects. Rated 2A at 12VDC. Compact T-1 1/2 envelope. 275-040 ............. 1.29

(4) DPDT Knife-Type. Screw terminals. 0.5A/200VDC. 1/8"x3/32x3/4". 275-1537 ........ 1.29

(5) Rotary 2-Pole, 6-Position. Nonshorting. 0.3A at 125VAC. 275-1386 ........ 1.39

(6) Rotary 1-Pole, 12-Position. Shorting. Rated as above. 275-1385 ........ 1.39

(7) SPST Submini Slides. 0.3A at 125VAC. 3/8" stem. 275-406 .............. 1.79

(8) SPDT Submini Slides. 0.3A at 125VAC. 3/8" stem. 275-407 .............. 2.59

(9) SPST Heavy-Duty Slides. 3A at 125VAC. 275-401 ................. 2.19

(10) SPDT Heavy-Duty Rocker. 6A at 125VAC. 3/8" stem. 275-690 ........... 1.99

LARGE-QUANTITY DISCOUNTS AVAILABLE AT PARTICIPATING STORES AND DEALERS—SEE PAGE 96
1/2-Watt, 10% Tolerance Carbon Resistors in Packs of 2

<table>
<thead>
<tr>
<th></th>
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<tr>
<td>10</td>
<td>271-001</td>
<td>10</td>
<td>271-014</td>
<td>1.2k</td>
<td>271-024</td>
<td>22k</td>
<td>271-038</td>
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1/4-Watt, 5% Carbon Resistors

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Thermistor

- Precision Sensor
- Surface-Mount 200-Piece Assortment
- Pocket Guide Color Codes
- Potentiometers for Panel or Chassis Mounting
- Control Knobs for 1/4"-Diameter Shafts
- Dial Cord Replacement Kit
- PC-Mount Pots
- Resistor Assortments
- Wirewound Resistors
- Metal-Oxide and Non-Inductive
- Fixed Resistors, Knobs, and Controls
**Electrolytics**

- **Axial Type**
  - µF | WVDC | Cat. No. | Each
  - 4.7 | 35 | 272-1012 | .49
  - 10 | 35 | 272-1013 | .59
  - 22 | 35 | 272-1014 | .99
  - 47 | 35 | 272-1015 | .99
  - 100 | 35 | 272-1016 | .79
  - 220 | 35 | 272-1017 | .99
  - 470 | 35 | 272-1018 | .99
  - 1000 | 35 | 272-1019 | 1.59
  - 2200 | 35 | 272-1020 | 2.49
  - 4700 | 35 | 272-1022 | 3.59
  - 10000 | 35 | 272-1047 | 1.39
  - 22000 | 50 | 272-1048 | 3.49

- **Radial Type**
  - µF | WVDC | Cat. No. | Each
  - 220 | 16 | 272-956 | .79
  - 470 | 16 | 272-957 | .99
  - 1000 | 16 | 272-958 | .99
  - 4.7 | 35 | 272-1024 | .49
  - 10 | 35 | 272-1025 | .59
  - 22 | 35 | 272-1026 | .89
  - 47 | 35 | 272-1027 | .69
  - 100 | 35 | 272-1028 | .79
  - 220 | 35 | 272-1029 | .99
  - 470 | 35 | 272-1030 | .99
  - 1000 | 50 | 272-1044 | .89

**Tantalums**

- 20% Tolerance. High capacity in a small package. IC pin spacing.
  - µF | WVDC | Cat. No. | Each
  - 0.1 | 35 | 272-1432 | .59
  - 0.47 | 35 | 272-1433 | .59
  - 1.0 | 35 | 272-1434 | .59
  - 2.2 | 35 | 272-1435 | .69
  - 10 | 16 | 272-1436 | .79
  - 16 | 18 | 272-1437 | .19

**Monolithic 5-Pack**

- 0.1 µF Monolithic Capacitors. Rated 50 WVDC. High capacity in a small size. Ideal for close-to-chip bypassing. 272-109

**PC Mounting**

- **Rated 50 WVDC**
  - µF | WVDC Cat. No. Pkg. of 2
  - .01 | 272-1065 | .59
  - .022 | 272-1066 | .69
  - .047 | 272-1068 | .69
  - .1 | 272-1069 | .79
  - .22 | 272-1070 | .89

**Hi-Q Ceramic Discs**

- Moistureproof Coating. With excellent temperature stability and high-Q design for low loss in RF circuits.
  - .01 µF, 2 kV Disc Ceramic Capacitor. Popular value with a "workhorse" voltage rating. Suitable for demanding jobs—noise bypass in appliances, RF power amps, TV and computer monitor circuits. 272-160

**Sound Off! Radio Shack Has Transducers, Buzzers and Alarms You Need—For Work or Good Chimes**

- **Piezo Transducers**
  - (1) Piezo Speaker. Only 1" x 1/8" dia. by 1/4" thick. This high-efficiency, 1200-ohm device can be directly driven by ICS. Range: 100 Hz to 20 kHz. 273-991
  - (2) 1500 to 3000 Hz. Up to 90 dB. 2-wire type requires driver circuit. 273-073
  - (3) Fixed-Frequency, 6.5 kHz. 3-wire type. Requires driver circuit. 273-064

- **12 VDC Buzzer**
  - Electromechanical

- Super-Loud, Rugged. This DC buzzer in a sturdy metal case is ideal for battery-powered alerters and alarm circuit projects. 3/4" x 1/4" dia. by 1/4" deep. 273-051

- **Piezo Buzzers**
  - (2) Electronic Buzzers. These are enough to hide and too loud to ignore. 1/4" mounting centers. With hookup leads. Each 2.49

- **Efficient Piezos**
  - 7 mA at 12 VDC
    - (1) PC-Mountable. 4.2 kHz at a surprising 70 dB. Mini size. 273-074
    - (2) Panel-Mount. Pulsing or continuous. 3.5 kHz. 95 dB. 273-075

- **"Ding-Dong" Chime**
  - Panel-Mount IC and Mini-Speaker Combo. Great for door and customer entry alarms. Operates 6 to 16 VDC. 80 dB output at 12 VDC. 5" hook up leads. 273-071

SHACK®—THE ELECTRONIC PARTS PLACE IN YOUR NEIGHBORHOOD
Quality Incandescent and Neon Lamps

Premium lamps for projects and replacements in flashlights, dials, pilot lights and panels. Fig. 2, #272-1124, is a prefocus type that replaces #222 used in penlights. Fig 7 is high-intensity. All are incandescent type, except Fig. 9, which is neon.

Lamp Bulbs, Holders and Assemblies

LED Indicators in Panel-Mount Holders

(1) 12-Volt Red Snap-In. For 1/4" mtg. hole. 5" hookup leads. 276-011 1.99
(2) Super-Bright Red Snap In. Rated 500 mod. Requires 2.23VDC at about 20mA. Snaps into 3/8" hole. 276-088 1.79
(3) Dual-Color. Red/green. Mounts in a 3/8"-diameter hole. 276-025 1.49
(4) 12V Red in Deluxe Chromed Holder. 1/4" mtg. 276-068 2.49
(5) Red Snap-In. 1/4" hole. 2.1VDC at 20 mA. 276-018 2.09

Halogen Lamps

HPR50. Replacement lamp for 4-cell flashlights and 6V lanterns. 272-1189 3.95
HPR52. Replacement lamp for 4-cell flashlights and 3V lanterns. 272-1190 3.95

Long-Life Strobe Tube

Really Bright

Xenon-type strobe element is perfect for photography replacement or lighting effects projects. Trigger 4 kV. Anode: 200 V min., 300 V max. Includes data. 272-1145 3.29

Miniature Lamps for Model Railroads & Projects

(1) Mini Lamps With 4" Leads, 25 mA. Each

<table>
<thead>
<tr>
<th>Volts</th>
<th>Cat. No.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
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<tr>
<td>12.0</td>
<td>272-1141</td>
<td>.99</td>
</tr>
</tbody>
</table>

(2) 12-Volt Flashing. Red, yellow, green. 272-1097 2.99
(3) 12-Volt Flashing. Red, yellow, green. 272-1098 3.99

(4) 12-Volt Microlamp. With leads. 60 mA. 272-1092 Pkg. of 2/1.39
(5) Hard-to-Find Lamps for Metal Mini-Flashlights. Replacement plug-in bulbs for popular all-metal flashlights with focusable lens. 2.5 volts at 300 mA. 272-1149 Pkg. of 2/2.99

Brilliant Krypton Flashlight Lamps

Standard flange-type base. Can be used to replace PR-type lamps. For example, K4 replaces type PR4.

<table>
<thead>
<tr>
<th>Type</th>
<th>Volts</th>
<th>mA</th>
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<td>K4</td>
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<td>K222</td>
<td>2.53</td>
<td>600</td>
<td>272-1175</td>
<td>.89</td>
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</table>

Lamp Assemblies

Each includes 12-Volt Bulb

(1) Jumbo Red. 105 mA. Mount in 1/4" hole. 272-336 Pkg. of 2/2.49
(2) Green Micro. 60 mA. 7/8" mtg. hole. 272-334 Pkg. of 2/1.99
(3) High-Brightness Red. 5/8" mtg. hole. 272-331 Pkg. of 2/1.99
(4) Green Snap-In. 1/2" mtg. hole. Leads. 272-337 Pkg. of 2/1.99
(5) Red Snap-In. 3/8" hole. 272-332 Pkg. of 2/1.99
(6) Blue Snap-In. 272-335 Pkg. of 2/1.99
(7) Jewel-Cut "Traditional" Lens. Eye-catching red lamp. 100 mA. 1/8" mtg. hole. 272-342 2.49

Neon Assemblies

For 120-Volt AC/DC Use

(1) Jumbo Red. A pilot light that can't be overlooked. Mounts in 1/4"-dia. hole. 272-710 Pkg. of 2/1.99
(2) Amber, 1/4" mtg. hole. With 3" leads. 272-707 Pkg. of 2/1.79
(3) Red. With leads. 1/4" mtg. hole. 272-712 Pkg. of 2/1.99
(4) Green Lens. With leads. 1/4" mtg. hole. 272-708 Pkg. of 2/1.99
(5) Square Lens. 1 amber, 1 red. 1/4" mtg. hole. 272-704 Pkg. of 2/1.79
(6) Round Lens. 1 amber, 1 red. 1/4" mtg. hole. 272-705 Pkg. of 2/1.79

Lamp Holders

Excellent selection, low prices. Bulbs not included. Use base style to select bulb from table, above left.

(1) E-10 Base. Wide holder with screw terminals. 272-357 1.79
(2) E-10 Base. Compact. Mounts on flat surface with screw terminals. 272-356 1.99
(3) Bayonet. 272-355 Pkg. of 6/99c
(4) Bayonet. Includes one red and one green lens. 272-325 Pkg. of 2/1.89
(5) E-5 (T-11/4) Base. For threaded bulbs. 272-326 Pkg. of 2/2.19
(6) E-5 Base. With 2 red and 2 white lenses. 272-340 Pkg. of 2/1.69
FUSES, BATTERY HOLDERS AND ANTENNAS

**Thermal Protector Fuses**

Protectors used in many coffee makers and heating-type appliances. Rated 240VAC, 10 amps maximum. Other values available by special order (CMC).

<table>
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<tr>
<th>Breaks Circuit at</th>
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<td>1.19</td>
</tr>
<tr>
<td>228°C</td>
<td>270-1231</td>
<td>1.19</td>
</tr>
</tbody>
</table>

**MOV Line-Surge Protectors**

Metal-Oxide Varistors. Divert power-line “spikes” to prevent damage to computers, VCRs and other sensitive equipment.

- Standard. 276-570
- Heavy-Duty. 276-568

**Panel-Mount Circuit Breaker**

- Easy Way to Add Extra Safety
- Rated 3 amps at 250VAC. Convenient alternative to fuses. Easy to install—snaps into ¼”-diameter panel hole. Trips in three seconds at 200% rated current. 270-1311

**Automotive Fuses**

- (1) Glass-Type Fuse Kit. Two SFE-20, one each of AGC-3, 10, 15, 25, 30; one each of SFE 7/16, 9, 14. 270-1282
- (2) SFE-type. 1/4” x 1/4”-dia. glass fuses.

**Fuses for TVs, VCRs, Hi-Fi, CBs, Appliances and Testers**

- (2) Microwave Fuses
- (3) Fast-Acting 5 x 20 mm

**Fuses, Battery Holders and Antennas**

- Holders for 1/4” x 1/4” and 5 x 20 mm Fuses
- Panel-Mount With Screwdriver Slot.
- For 1/4” x 1/4” fuses, 10A at 250VAC. 270-1235
- Four-Position Fuse Block. For 1/4” x 1/4” fuses. 270-1236
- Pigtail Fuse Adapter. A must for TV and appliance service. Reliably saves time—eliminates soldering and desoldering. Clips over blown pigtail-type fuse. Accepts standard 1/4” x 1/4” glass fuse. 270-1237

**Replacement Rod Antennas**

For cordless phones, radios, portable stereos and walkie-talkies. Restore original range and performance at low cost.

<table>
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LEARNING IS FUN WITH SCIENCE FAIR® KITS

200-in-1 Electronic Project Kit
- Handy Out-Front Controls, Meter and 2" Speaker
- Learn Basic Electronic and Computer Circuity

Our biggest and most versatile project kit quickly teaches you how to build a burglar alarm, telegraph, AM broadcast station, digital timer, electronic organ, radios and more. Also includes integrated circuits with "OR," "AND," "NOR" and "NAND" gates that help teach computer fundamentals. All parts are premounted in the molded case. Connect, disconnect and reconnect the circuits as often as you like using the spring-clip connectors—no soldering, never anything to clean up. Includes 108-page manual. Requires 6 "AA" batteries. 28-265

30-in-1 Electronic Lab Kit

Teaches youngsters the basics of electricity, physics, electronics. Build a radio, metal detector, other projects. Earphone. Solderless. Requires 4 "AA" batteries. 28-261

60-in-1 Project Lab Kit

NEW! Teaches youngsters the basics of electricity, physics, electronics. Build a radio, metal detector, other projects. Earphone. Solderless. Requires 4 "AA" batteries. 28-261

3-in-1 Electronic Lab Kit

Teaches the basics of electronics with no soldering required. Includes everything you need to build a radio, alarm, timer and more. Includes earphone. Requires 2 "AA" batteries. 28-161

Radio Kits With Earphones


2. AM/FM Project Kit. Hear local AM and FM radio stations. Preassembled tuner and volume control. Safe and easy solderless coil-spring assembly. Requires 2 "AA" batteries. 28-175

3. AM/Shortwave Project Kit. Listen to broadcasts from distant shortwave or to your local AM radio stations. Receives 520-1625 kHz, 5.5-10 and 9-16 MHz. Requires 2 "AA" batteries. 28-176

4. Crystal AM Radio Kit. Plays forever without tubes, transistors or batteries. Like the first radios, a crystal converts RF to audio. Covers 550-1600 kHz. 28-177

All Four Kits Above Are Solderless

280-Project Physics Lab Kit

Have fun learning about the laws of physics through experiments dealing with liquids, heat and sound. Projects include all necessary apparatus and instructions. Requires 2 "AA" batteries. 28-193

ArcherKit® Multitester

25 ranges, color-coded mirrored scale. 20,000 ohms/volt DC. Requires soldering and "AA" battery. 28-4013

USE LONG-LASTING RADIO SHACK ENERCELL® EXTRA-LIFE BATTERIES IN ALL YOUR SCIENCE FAIR KITS
130-in-1 Project Lab Kit

Includes Everything You Need to Discover Electronics

Build a radio, AM broadcast station, electronic organ, timer and more. Built-in speaker, 7-segment LED display, two integrated circuits and rotary controls. Safe, simple coil-spring connections. Illustrated manual. Requires 6 “AA” batteries. 29.95

Strike it Rich!

Metal Detectors

(1) Treasure Finder. Spots metal up to one-half foot underground. Easy-to-use tuning and fine-tuning controls. The shaft extends to 27”. Requires 9V battery. 60-3003 19.95

(2) Discriminator Detector. Spots “junk” to avoid needless digging! Has auto-tuning, meter, speaker, 1/4” headphone jack. Adjustable shaft extends to 24”. Requires 6 “AA” batteries. 63-3002 59.95

(3) “Standard” Detector. Water-resistant coil has a Faraday shield to cut false signals. Ferrous/nonferrous control, meter, 1/4” headphone jack. Extends to 24”. Requires 6 “AA” batteries. 63-3001 39.95

(4) Very-Low-Frequency. Our best VLF circuitry and 8” waterproof search coil spot valuables even in highly mineralized ground and shallow water. Auto-tune, sensitivity control, speaker, meter and 1/4” headphone jack. Shaft extends to 26½”. Requires three 9V batteries. 63-3003 89.95

Archer Space Patrol® Walkie-Talkies

Perfect for Adventures and Campouts 49 MHz

(1) Standard. Buy two or more and talk to your friends or send secret messages in Morse code with the built-in code key on the front panel. Includes flexible antenna, on/off switch and handy lock-on talk button. 5⅛ x 2⅛ x 4⅜”. Requires 9V battery. 60-4015 EACH 9.95 PAIR 18.88

(2) Micro-Thin. Less than 1” thin! So compact it can easily fit in a shirt pocket and is small enough to go anywhere. Ultrasensitive super-regenerative receiver circuit, 1½” speaker, push-to-talk button and telescoping antenna. 5⅛ x 1⅛ x 7⅛”. Get a pair for hours of fun and adventure. Each requires 9V battery. 60-4014 PAIR 19.95

(3) Headset With “Boom” Microphone. Leaves hands free—great for camping or on-the-go. Rotary on/off and volume control, headset-mounted antenna, belt-clip and push-to-talk button. 4 x 2⅜ x 1⅞”. Each requires 9V battery. 60-4016

The Winners! Competition-Performance Joysticks

(1) Joystick/Enhancer for Nintendo. Slip Nintendo controller inside docking port for rocket-aircraft style control. 270-1706 14.95

(2) Super-Deluxe Competition Joystick for Nintendo. Two “fire” buttons. “Autofire” releases a stream of “bullets”. 270-1704 17.95

(3) Jet Fighter-Style. For many Atari, Sears, NEC and Commodore games. 9-pin connector. 270-1701 10.95

ATARI, COMMODORE, IBM, NEC, NINTENDO AND SEARS ARE REGISTERED TRADEMARKS OF THE RESPECTIVE COMPANIES
RADIO-CONTROLLED FUN FOR EVERYONE

(1) 2-Function Aero Buggy. Play to win with this rugged on/off road buggy! Aerodynamic design with front and rear airfoils make it hug the road. 60-4081 995

(2) Euro Racer. Feel the excitement of professional racing with this European-styled road machine that's the speedway leader! 60-4082 1195

(3) Wild Runner™. Drive Baja style! High-traction, oversize studded tires grip terrain and roll over obstacles. Simulated winch and top lights. 60-4031 1795

(4) Red Blaster™. High-speed off-roader with oversize knobby traction tires, spring shock suspension and rear racing spoiler. 60-4083 1795

(5) RC Dinosaur. Step back in time and out of the way of this beast! Stands over two feet tall. 60-4042 1995

(6) Surf Truck™. Cruise the beach or your yard with small, light cargo. Handles rough terrain like a pro. 60-4043 1995

(7) NEW LOW PRICE! Racer 27. Get behind the "wheel" of a European-style sportster and burn up the track! Was $21.95 in 1991 Catalog. 60-4084 1995

(8) Turbo 27. Take charge of this exotic sport racer and you'll be taking a victory lap! "Turbo" mode for bursts of power. 60-4074 2995

(9) NEW LOW PRICE! Aero Buggy. Spring suspension soaks up bumps. Jack for charging Ni-Cd batteries. Was $34.95 in 1991 Catalog. 60-4073 2995

(10) Jumbo Van™. Turbo 4 x 4. Back door opens to reveal switch for hi/lo gears and jack for AC charging. 60-4044 3995

(11) Buggy Master™. Rough turbo turf machine! Hi/lo gear switch for speed or power and jack for AC charging. 60-4045 3995

(12) Fierce Warrior™. The ultimate four-wheeler! performer in high or low gear. AC charging jack. 60-4049 3995

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**Fig. Cat. No. Freq. (MHz) Remote Functions Length (Inches) Speed (MPH) Scale Speed Battery Requirement**

<table>
<thead>
<tr>
<th>Fig</th>
<th>Cat. No.</th>
<th>Freq. (MHz)</th>
<th>Remote Functions</th>
<th>Length (Inches)</th>
<th>Speed (MPH)</th>
<th>Scale Speed</th>
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<th>Speed (MPH)</th>
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#60-4044/4045 USE AC CHARGER #21-516, #60-4049 USES AC CHARGER #273-1652A, #60-4073 USES AC CHARGER #273-1455
NEW! (1) 4x4 Truck. Take the challenge of hills in low gear or switch to high for maximum racing speed! Oversize tough-tread tires and spoiler. Charging jack. 60-4046 47.95

NEW! (2) Turbo T™ Coupe. Dominate the drag strip! Turbo mode boosts racing speed. Tough spring shock suspension handles the bumps. Impact-absorbing front bumper, hi/lo gears, AC charging jack. 60-4085 49.95

NEW! (3) Wild Ranger™. Custom cab with 4-wheel-drive power to tame rough ground and crawl over obstacles! Place in low gear for incredible dirt-digging traction or switch to high gear for top speed. AC charging jack. 60-4086 49.95

NEW! (4) Turbo Sonic Off-Roader™. Ignition switch starts engine revving sound. You can even honk the horn by remote! Turbo boost mode, hi/lo gear switch. 60-4047 59.95

NEW! (5) Red Arrow™. Our fastest RC vehicle—up to 15.6 mph, over 155 mph scale speed. Digital-proportional steering for maximum control. Turbo boost mode. Spring shock front/rear suspension. Charging jack. 60-4077 69.95

NEW! (6) Off-Road Tiger™. You're off and racing at speeds up to 98 mph. Super-traction oversize rear tires tear up the track. Digital-proportional. AC charging jack. 60-4048, Low As $15 Per Month 99.95

(7) Golden Arrow™. Racing buggy with D-P accurate response steering and FET motor drive system. Spring shock front/rear suspension. AC charging jack. 60-4080, Low As $15 Per Month 119.95

(8) Black Phantom™. Our finest! Deluxe off-roader with twin motors and 4-wheel drive. Digital-proportional. Rugged spring shock front/rear suspension. AC charging jack. 60-4088, Low As $15 Per Month 149.95

(9) Racing Battery Pack Charger. Recharges pack below in 4-5 hours. UL listed AC. 23-231 9.95

(10) Rechargeable 7.2V Ni-Cd Battery Pack. Only 320 grams! 23-230 19.95

<table>
<thead>
<tr>
<th>Flg</th>
<th>Cat. No.</th>
<th>Frequency (MHz)</th>
<th>Remote Functions</th>
<th>Length (Inches)</th>
<th>Speed (MPH)</th>
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#60-4046/4086 USE AC CHARGER #273-1651A, #60-4085 USES AC CHARGER #273-1652A
**TOYS & GAMES TO TEST YOUR SKILLS**

**LCD Action Games for Kids of All Ages—Take 'Em Along to Play Anywhere**

1. **Pocket LCD Raceway**: Two levels to test your driving skills. Clock, sound effects. With RS357A battery. 60-2237 7.95
2. **NEW! Speedway**: Treacherous road racing! With RS357A battery. 60-2244 7.95
3. **Kung Fu**: Battle martial-art warriors! With RS357A battery. 60-2238 7.95
4. **Dino Wars**: Prehistoric fun! Built-in clock. With RS357A battery. 60-2236 7.95
5. **Pocket Repeat Game**: Play back the light and sound patterns in same order to win game. Requires 9V battery. 60-2152 10.95
6. **Turbo Raceway**: Turbo-powered competition! Requires 2 "AA" batteries. 60-2242 12.95
7. **NEW! Invasion Force**: Fight off invading aliens! With RS357A battery. 60-2246 12.95
8. **NEW! Sea Battle**: Action-packed naval adventure! Requires 2 "AA" batteries. 60-2245 12.95
9. **Tabletop Space Alien**: Galactic fun! Alarm. Requires 2 "AA" batteries. 60-2232 14.95
10. **NEW! Sonic Sea Battle**: Command your own attack-class submarine and fight off the enemy fleet. Requires 2 "AA" batteries. 60-2248 14.95

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**Play 'n Learn Games— "School" at Home, for Fun**

1. **Look 'n Learn**: Question-and-answer quiz game for hours of entertainment. Answer questions about states and cities, U.S. presidents, mathematics, more. 60-2335 4.95
2. **Fun 'n Calc**: Let's kids enjoy learning how to use a calculator. 8-digit LCD display. Requires 2 "AA" batteries. 60-2334 7.95
3. **Show 'n Learn**: The fun way to teach kids the basics. Quiz them on colors, shapes and more. Requires 2 "AA" batteries. 60-2328 12.95
4. **NEW! Electronic Look 'n Learn**: Children identify colors, fruits, shapes, objects, math and more. Requires 3 "C" batteries. 60-2401 19.95
5. **Spell 'n Math**: Two challenges in one! Teaches ABCs, numbers, spelling, more. Requires 2 "AA" batteries. 60-1093 26.95
6. **LCD Spell 'n Math Instructor**: Paperless typing and spelling exercises, games, math and more. Requires 2 "AA" batteries. 60-2333 31.95

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**For Talented Young Musicians**

1. **Rock Guitar**: Anyone can sound like a "pro"! Has 13 keys on the neck—no strings to tune or break. Twins in time to the beat. Includes handheld microphone. Requires 4 "AA" batteries. 60-2296 15.95
2. **Programmable Organ**: Choose piano or organ effect. Compose and record melodies of up to 19 notes, or auto-play eight preprogrammed tunes. Built-in speaker, high/low volume control and 32 mini keys. Requires 4 "C" batteries. 60-2337 15.95
3. **NEW! Electronic Sound Center**: Kids become the DJ of their own show! Slide controls, 9 special-effects sound buttons, built-in speaker, handheld microphone. Requires 4 "C" batteries. 60-2250 19.95

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**Prices apply at participating Radio Shack stores and dealers**

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162
MAKE THE PLAY FOR ELECTRONIC FUN

Challenge Your Skills and Improve Your Game With World-Class Computer Chess

NEW! Portable Sensory Chess Computer 1650L. Take it anywhere! Has 16 skill levels with handicap, fun and puzzle levels. Great for beginners to build confidence and skill. Memory retains game, allows take backs. Compact case closes for travel. Requires 3 "AA" batteries. 60-2252 $49.95

NEW! Super Sensory Chess 1680L. Fast-response 4 MHz processor with built-in 8K program. Contains 16 skill playing levels, including fun and puzzle levels. Take back and set up capabilities. Memory retains last game. Requires 4 "AA" batteries or AC adapter. 60-2253 $69.95

NEW! Chess Champion 2150L. Our best! Powerful 32K program, able to defeat 98% of all players. Shows time, depth of search, levels. LCD board display. Skill levels for beginners to masters. Requires 6 "C" batteries or AC adapter. 60-2254 Low As $15 Per Month $159.95

Casino and Arcade Games

(1) Draw Poker. Just like Vegas! Pull lever to spin choices, push buttons to show cards. Requires 2 "AA" batteries. 60-2351 $6.95
(2) Slot Machine. A handheld "one-armed bandit"! Pull lever to spin windows, press buttons to stop. Requires 2 "AA" batteries. 60-2352 $6.95
(3) Blackjack. Outsmart the dealer to win! Pull lever to "shuffle", press button to deal. Requires 2 "AA" batteries. 60-2353 $6.95
(4) Electronic Arcade. Play baseball, 12-note organ, casino roulette and more! Play with friend or alone. Requires 9V and 4 "C" batteries. 60-2159 $19.95
(5) Two-Player Baseball. Choose the pitch, send in a relief pitcher or pinch hitter—you're the coach and the team. Requires 2 "AA" batteries. 60-2241 $24.95

Games for Grown-Ups Who Love to Have Fun

(1) NEW! LCD Electronic Draw Poker®. Play at home or on the road! Gives you all the thrills of a Friday night poker game. Shuffles 80 times between hands. Board flashes/plays music for winners. Folding desktop stand. One or two players. Requires 2 "AAA" batteries. 60-2349 $29.95
(2) NEW! Stack Challenge®. Stack falling brick shapes into position to form a solid line to lower height of brick wall. Looks easy, but watch out, game is over when brick load reaches top. Ten skill levels. With sound effects. Requires 2 "AA" batteries. 60-2247 $19.95
(3) LCD Golf Game. An entire 18-hole golf course you can hold in your hand and play anywhere! Musical sound effects add to excitement. One or two players. Includes 2 RS357A batteries. 60-2239 $14.95
(4) NEW! Executive Consultant®. Press "ask" button and you'll hear a short "voice" answer. Great for those tough decisions. Requires 2 "AA" batteries. 60-2348 $9.95
(5) Stress Eliminator®. Blast away at stressful situations! Has six different sounds: zapper, rat-a-tat, laser shot, bombs away, quick-shot and blaster. Requires 2 "AA" batteries. 60-2214 $7.95

ALL RADIO SHACK CHESS GAMES ARE ENDORSED BY GARRY KASPAROV—THE WORLD CHESS CHAMPION
Pocket-Powerhouse! Data/Time Manager

NEW! Radio Shack EC-330. Packs a bundle of data/time-management power into a small package. Stores more than 600 uncut entries, each including name, number and address or notes. Entries may be recalled by scrolling, or instantly, by entering a key word. Scheduler alarm alerts you before an appointment, has space for up to 500 appointments. Memo pad with key-word and sequential search. Anniversary reminder tracks important annual events such as birthdays. Built-in clock, calendar and 10-digit calculator. Password protection. Communication link for sharing data with another EC-330 or an EC-329 through a connecting cable (extra, CMC). 3⅛ x 5½ x ⅜" (folded). With 2 CR2032 batteries and CR2032 backup battery. (TSP available) 65-947 .... Low As $15 Per Month 99.95

Directory Organizer Calculator Clock

NEW! Radio Shack EC-327. So convenient, so easy to use it will spoil you! Entries are filed and recalled for you automatically—just type in a name and all the information stored with that name appears instantly. With 34K memory, there's room for over 500 complete entries—name, address, phone number plus notes. Features scheduler with alarm, memo pad, 200-year calendar, 12/24-hour clock with alarm, word time, metric conversion. Links with another EC-327 to transfer data by cable (extra, CMC). 2⅛ x 5¾ x ⅜" (folded). Requires 2 "AAA" operating batteries. Includes CR1616 backup battery. (TSP available) 69.95

Pocket-Size Directory And Dates Organizer

NEW! Radio Shack EC-329. Three times bigger than your business and personal phone numbers separated. Scheduler gives warning beeps 10 minutes before appointment. Stores 250 names/numbers. Clock, calendar, calculator. Links to another EC-329 or EC-330 with cable (extra, CMC). 3¾ x 5¼ x ⅜" (folded). Includes CR2025 operating/backup batteries. (TSP avail.) 65-946 39.95

Calculator With Data Memory

NEW! Radio Shack EC-328. Full-function calculator plus an easy-to-use data directory. Items are automatically stored in alphabetical order, making it easy to find a name by scrolling. Or use search function to locate the item instantly. Built-in foreign-currency exchanger and metric conversion. 2⅜ x 3⅛ x ⅜". With CR2025 battery. 65-944 12.95

Electronic Data Organizer Scheduler

NEW! Radio Shack EC-331. This super value has phone directory, scheduler with alarm, memo file, count-up/down timer, 12-digit calculator and clock/calendar. Stores over 100 names/numbers. Included backup battery protects memory up to six years. 3½ x 2⅞ x ⅕. With 2 CR2016 batteries. 65-948 19.95

Data Organizer/Currency Converter

Radio Shack EC-324. Helps you manage time, money and information. Instant recall of stored names. Credit card and bank account manager handles up to six accounts with password protection. Foreign currency exchanger, countdown timer/stopwatch, 12-digit calculator and clock/calendar. 2⅜ x 4⅛ x ½. With 2 CR2016 batteries. (TSP available) 65-941 29.95

Directory Organizer Calculator Clock

NEW! Radio Shack EC-327. So convenient, so easy to use it will spoil you! Entries are filed and recalled for you automatically—just type in a name and all the information stored with that name appears instantly. With 34K memory, there's room for over 500 complete entries—name, address, phone number plus notes. Features scheduler with alarm, memo pad, 200-year calendar, 12/24-hour clock with alarm, word time, metric conversion. Links with another EC-327 to transfer data by cable (extra, CMC). 2⅛ x 5¾ x ⅜" (folded). Requires 2 "AAA" operating batteries. Includes CR1616 backup battery. (TSP available) 69.95

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MANAGE TIME AND DATA ELECTRONICALLY

Our Best Electronic Time & Data Organizer

NEW! Radio Shack EC-332. So sophisticated it's a cinch to use! Scheduler keeps you on time for appointments with alarm and displayed message. Directory stores 1000 complete entries - each including name, phone number, address and space for notes. Memo mode is perfect for reminder notes. Quick-search finds any word, part of a word or number stored anywhere in 64K memory. Built-in calendar, world-time clock, currency converter, metric conversions. Communication link lets you transfer data between two EC-332 organizers or between an EC-332 and PC compatible computer (requires interface cable, CMC). 3½ x 6¼ x 7/6" (folded). Requires 2 "AAA" batteries, includes CR2016 backup battery. (TSP available) 65-949

Low As $15 Per Month

Directory/ Organizer Telephone Dialer

NEW! Radio Shack EC-333. Incredibly efficient combination data manager and speed-dialer! Stores up to 1000 names and phone numbers - instantly recalls any entry then dials the number with just the touch of a button. Entries are automatically alphabetized and can be recalled by either the person's name or company name. Or quickly flip through names stored in memory, using one of two Rolodex knobs. Up to 30 lines per entry for adding an address, memo or other information. Reminder Notes file lets you write yourself memos which are tagged to appear on future dates - helps organize your "things-to-do" list. Built-in calendar, clock and calculator. Security code. 7¾ x 6⅛ x 4⅛". Requires 4 "AA" batteries. (TSP available) 65-950

Low As $15 Per Month

Electronic Rolodex® Systems Take the Work Out of Using Business Directories

Radio Shack Desktop Directory EC-340. This nifty organizer takes charge of and stores up to 64K of information alphabetically. Holds up to 500 records with up to 60 lines of information per record! Four filing categories with automatic data transfer between files for minimizing input time. To scroll through records, press reverse/forward buttons or manually turn one of the two Rolodex knobs. Or use the search function to find any record instantly. Extra-large (6 line x 24 character) screen is easy to read. Built-in calendar, foreign currency exchanger, and paperless calculator. On-screen prompts. Communication link for sharing data with PC compatible computer (requires interface cable, CMC). 10 x 9 x 9". Requires 4 "AA" batteries or AC adapter. (TSP available) 65-940

Low As $15 Per Month

Radio Shack Pocket Directory EC-339. Ideal traveling companion for business people. Data organizer has all the power and features of EC-340 above, including 64K memory, but without Rolodex knobs. 2½ x 4½ x ⅛" (folded). With CR2016 and 2 CR2430 batteries. (TSP available) 65-939

Low As $15 Per Month

Built-In Infrared Transmitter System Lets You Transfer Data Between Any Two EC-340 and EC-339 Directories In Seconds!

DIRECTORIES HAVE LCD DISPLAYS FOR LONGEST BATTERY LIFE / ROLODEX® IS A REGISTERED TRADEMARK OF ROLODEX CORPORATION 165
Shop Our Huge Selection of Calculators

(1) Radio Shack Dual-Powered EC-416. Extra-large display and keys. Convenient horizontal, folding style. Square-root and percent keys, auto-constant, auto-shutoff. 2 1/4 x 4 1/2 x 3/8" (folded). With RS389A battery. 65-561 $9.95

(2) Radio Shack Dual-Powered EC-445. GPM key for the rapid computation of desired markup. Four-key memory, percent and square-root keys. Auto-shutoff. 4 1/2 x 3 1/2 x 1/4". With billfold case, RS389A battery. 65-889 $8.95

(3) Radio Shack Dual-Powered EC-414. Display is tilted for convenient tabletop viewing. Percent, square-root and sign-change keys. Three-key memory. Auto-constant, auto-shutoff. 4 1/4 x 2 5/8 x 1/4". With RS389A battery. 65-560 $7.95

(4) Radio Shack Solar-Powered EC-419. Pressing any function key brings that symbol (+, -, x) to the display to remind you of the current mode. Three-key memory, square-root and percentage keys. Auto-shutoff. 4 1/4 x 2 1/4 x 1/4". With RS389A battery. 65-560 $5.95


Two Feature-Packed Specialty Calculators

Radio Shack EC-430. Checkbook organizer holds checks, register and pen. Features deposit, check, charge, payment and balance keys. Three memories store balance information. Dual powered. 2 1/4 x 6 1/8 x 3/8". Includes RS389A battery. 65-570 $15.95

Radio Shack Micro-Thin EC-413. Just slip it into your wallet or purse with your credit cards—only 2 1/8 x 3 5/8 x 1/4" thin. Features 3-key memory, square-root and percent keys. Auto-constant. Solar powered. Complete with handy protective case. 65-910 $7.95

Who Said Calculators Have to Look Alike?

NEW! Radio Shack EC-428. Uniquely styled in decorator colors. Big, easy-to-read digits, 3-key memory, percent and sign-change keys. 3 1/4 x 2 1/2 x 1/4". Dual powered. Comes complete with case and RS389A battery. 65-914 $9.95

Radio Shack EC-422. Nice to give or get! A colorful calculator in an elegant lady's "compact" case. Folds to just 2 1/4 x 2 1/2 x 1/2". Features 3-key memory, percent and sign-change keys and auto-constant. Snap clasp. Solar powered. 65-912 $9.95

Giant Jumbo Display

NEW! Radio Shack EC-447. Big-digit Adjusta-tilt display provides the most comfortable viewing angle. Four-key memory, percentage and markup keys. Dual powered. 5 1/4 x 3 x 3/8". With case and RS389A battery. 65-891 $11.95

A Great Value

NEW! Radio Shack EC-431. Set Adjusta-tilt display angle for your personal viewing comfort! Features 3-key memory, non-akid keys, percent and square-root keys. Dual powered. 4 1/4 x 2 1/2 x 1/4". Complete with billfold case and RS389A battery. 65-565 $9.99

12-Digit Display

NEW! Radio Shack EC-429. Adjusta-tilt display, auto 3-digit commas, last-digit correction, markup, grand-total key, percent, square-root and sign-change keys. Dual powered. 5 1/4 x 3 1/4 x 5/8". Includes RS389A battery. 65-915 $12.95

Extra-Large Keys

Radio Shack EC-426. Oversize keys for faster and easier operation. Horizontal, folding style. Has 3-key memory, sign-change key, double-size "+" and percent keys. Dual powered. 2 1/4 x 4 1/4 x 1/2" (folded). Complete with handy protective case. 65-813 $12.95

LCD Dual-Powered Calculators Auto-Switch From Solar to Battery Power in Dim Light
177-Function Scientific
Radio Shack EC-4025. A big favorite on college campuses. Functions for math, chemistry, physics, biology, health, more. Dual-action keyboard reveals only the appropriate functions. Handles complex numbers and 2-variable statistics. 10-digit mantissa, 2-digit exponent. With RS386A battery. (TSP available) 65-992 49.95

110-Function Electrical Engineering
Radio Shack EC-4035. Accepts input and displays output using popular electronic/electrical engineering symbols—1000Ω×5A = 500V. Alphanumeric display with contrast control. Functions for trig, statistics, fractions, base-n math and complex numbers. Has seven memory registers, engineering keys, auto-shutoff. 10-digit mantissa, 2-digit exponent. 5¾ x 3¼ x 7/8". With case and 2 CR2032 batteries. (TSP avail.) 65-983 39.95

1103-Step Programmable
Radio Shack EC-4026. One of the most powerful calculating tools available today. Two-line display lets you enter and execute formulas exactly as they are written, even integral and fraction calculations. Features 179 scientific functions and engineering symbol calculations. 5¼ x 2¾ x ¾". With CR2025 battery. (TSP available) 65-993 47.95

Math and Science Formula
Radio Shack EC-4024. Features 23 built-in formulas for math, statistics, physics, electronics/electricity. Add two of your own equations with a total of 29 steps. Large 10-digit display has alphabetic prompt for formula use. Performs base-n math. Has nine physical constants. Dual powered. 5¼ x 2½ x ¾". With lithium battery. (TSP available) 65-991 34.95

Business Calculator
Radio Shack EC-5010. The preferred choice of business majors. Functions for calculating amortization, simple and compound interest, rate conversions, lease/buy options, much more. Comprehensive manual includes 30 real-life applications. 5¼ x 2¾ x ¾". With case and 2 RS357 batteries. (TSP available) 65-870 24.95

For Business Analysis
Radio Shack EC-5100. Built-in formulas solve tough business and financial problems. Provides one-button solutions in mortgages, lease/buy options, investments, yield and many more. 5¼ x 2¾ x ¾". Manual with over 175 pages of business applications, pocket guide, case, 2 RS357 batteries. (TSP available) 65-875 34.95

For Metric Conversion
Radio Shack EC-318. Performs 22 conversions to and from metric. Includes conversion functions for weight, volume, distance and temperature. Calculator has 3-key memory, auto-constant, square root, sign-change and percent keys. Solar powered so it never needs batteries. 4¼ x 3 x ¾". With billfold case. 65-931 14.95

Yard/Foot/Inch Calc
Radio Shack EC-317. No need to convert yards, feet and inches to a single measurement! Just enter 30 feet, 8 inches; multiply by 18 feet 3¾ inches and get the answer—561.583 square feet. Switchable from decimal to fraction and reverse. Square and cube keys. Solar powered. With case. 5¼ x 2¼ x ¾". With lithium battery. (TSP available) 65-935 27.95

ALL CALCULATORS ON THESE TWO PAGES HAVE LCD DISPLAYS FOR LONGEST BATTERY LIFE
PRINTING CALCULATORS FOR HOME/OFFICE

12-Digit Fluorescent Desktop With Speedy 2-Color Printing

NEW! Radio Shack EC-3021. Wide, well-designed keyboard provides effortless operation—unerring choice for anyone using a calculator throughout the working day. Prints red for subtraction/negative amount. Item-count printing, auto 3-digit commas, "00" key, 4-key memory, mark up/down, percent and sign-change keys. Last-digit correction. 2 1/4 x 7 1/4 x 8 1/2. UL listed AC. (TSP available) 65-971 $69.95

Bright 10-Digit Fluorescent Display Desktop

NEW! Radio Shack EC-3022. This is a rugged workhorse you can count on! Sturdy "10-key" calculator features last-digit correction, 4-key memory, auto-constant, "00", delta, mark up/down, percentage, paper feed and sign-change keys. Especially designed for anyone who's paying attention to the bottom line. 6 1/2 x 9 x 2. UL listed AC. (TSP available) 65-972 $59.95

Portable Printing Desktop With Fluorescent 10-Digit Display

NEW! Radio Shack EC-3018. Perfect for office, school or home. Has features of calculators costing far more—last-digit correction, item-count printing, "00" key, double-size " + " and "CE" keys, four decimal-point positions plus floating, automatic 3-digit commas on display, 4-key memory, more. 2 x 6 1/2 x 8 1/8. Requires 4 "AA" batteries or AC adapter below. (TSP available) 65-968 $49.95

Slimline With Extra-Large 10-Digit LCD

Radio Shack EC-2014. Winning combination—full-sized keyboard and printing in a cordless portable. Big, easy-to-read digits. Adjusta-tilt LCD display. Four-key memory. Functions for mark-up, discount and round up/down. Percent, "00" and oversized " + " keys. A, 0, 2 and floating decimal point. Thin enough to travel easily in a briefcase—only 1 1/4 x 6 1/4 x 7 1/8. Requires 4 "AA" batteries or AC adapter below. (TSP available) 65-966 $49.95

Desk/Handheld 10-Digit LCD Printing Calculator

NEW! Radio Shack EC-3023. Compact size fits easily in briefcase—ideal for people on the go who need a permanent record of their calculations. Features a "10-key" design with oversize " + " key, display-only and display-print modes, 3-key memory, percent and margin keys, round off/down selection. 3 3/8 x 7. Requires 4 "AA" batteries or AC adapter. (TSP available) 65-956 $34.95

AC Adapter. UL listed. For 65-956/966/968. 273-1454 $7.95

ALL CALCULATORS ARE COVERED BY OUR ONE-YEAR LIMITED WARRANTY—SEE STORE FOR DETAILS
12-Digit Dual-Powered Desktop Calculator

NEW! Radio Shack EC-2018. Two memories come in handy for justifying your checkbook or anytime you need to run three totals simultaneously. Adjusta-tilt display—set angle of large-digit LCD to your personal viewing comfort. Auto-switches from solar to battery power in dim light. Full-size “10-key” keyboard. 1½ x 5½ x 7½”. With RS357A battery. (TSP available) 65-580

29.95

Dual Powered Desktop LCD

Auto-Switches to Battery in Dim Light

Radio Shack EC-2016. Compact—yet has full-sized keys and big easy-to-read digits. Tilted display for viewing comfort. “Ten-key” design, four-key memory. 1¼ x 4¼ x 5½”. Solar, with RS363A battery. 65-578

12.95

Printing-Calculator Paper

Plain Paper for All Radio Shack Models

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Books About Audio, Electronics, Communications and More

Recording Great Audio. Learn how to record, amplify, mix and copy audio signals while maintaining high fidelity, much more. 140 pages. 62-1089 ........... 4.95

Building Speaker Systems. A detailed look at speakers. Includes plans and parts lists for building four speakers. 128 pages. 62-1087 ................. 5.95

Home/Auto Security Guide. How to select and install anti-theft devices. 119 pages. 62-1086 .................... 5.95

Using Your Meter. Get the most from VOM and DVM multimeters. 128 pages. 62-2039 ...................... 4.95

Antennas—Selection and Installation. Everything you need to know to properly select and install your custom antenna system. 112 pages. 62-1083 .......... 3.95

Installing Your Own Telephone. 2nd edition. Illustrated instructions for telephone eqipment installation, plus troubleshooting tips. 168 pages. 62-1390 ........... 5.95

Electronic Life-Style. An exciting look at how new electronic products are changing our lives. 160 pages. 62-2340, 9.95

How to Hook Up High-Tech Electronics. Covers video, audio, telephone, car and more. 170 pages. 62-1088 ........... 3.95

Household and Automotive Electrical Testing Made Easy. How to test batteries, circuits, appliances, telephone wiring and more. 106 pages. 62-1090 .......... 3.95

ENERCELL® Battery Guidebook. Explains how batteries work, describes the different types and how to select the right battery, more. 232 pages. 62-1304, 5.95

MS-DOS Reference Books

MS-DOS: The Basics, Volume 1. Using MS-DOS® with applications software. By David Lien. 146 pages. 25-1506, 7.95

MS-DOS: Advanced Applications, Volume 2. Covers more advanced features—subdirectories, batch files, more. 396 pages. 25-1507 .......... 14.95

MS-DOS IS A REGISTERED TRADEMARK OF MICROSOFT CORPORATION
The Holy Bible in Two Electronic Editions

- Contains the Entire Text of Both The Old and New Testaments

**NEW!** Franklin® King James Bible KJ-21. Here's the world's best selling book now in easy-to-use electronic form. Turn it on and read it just as you would a printed Bible. Or use the "search" function to find selected passages at computer speed—type in a key word or phrase and, instantly, the screen displays the verse. "Bookmarks" help you return to favorite passages. With helpful built-in index and thesaurus. 5½ x 5½ x 1½". Requires 4 "AA" batteries. (TSP available) 63-680

New International Version NIV-20. 63-684

**Price:** $199.95

Electronic Thesaurus

- 487,000 Synonyms for Over 40,000 Entry Words
- Phonetic Spelling Correction for 83,000 Words

**NEW!** Franklin Wordmaster WM-1055. Shares all features of the LM-2200 above but without dictionary definitions. Using Wordmaster isn't a bit like digging through a printed thesaurus—the computer does all the hard work. There are 77,000 meaning cores to assist you in choosing the "right" word. And you get help with words that sound alike but have different spellings. A 3300 word list helps you to prepare for the SAT exam. 4 x 8½ x 1". Requires 4 "AAA" batteries. (TSP available) 63-692

**Price:** $49.95

Handheld Electronic Speller

- Phonetically Searches to Find the Correct Spelling for Any of 80,000 Words In Seconds

**NEW!** Franklin Spelling Ace SA-98. Advanced phonetic spelling correction—lets you input a word the way it sounds and get back the correctly spelled word almost instantly. Even works with the poorest of spellers. Only sure of the first letters of a word? Punch in the ones you know, and you'll get a complete list of words that start with those letters. Built-in crossword puzzle solver, and it's great for word games. 4 x 6½ x 1". Requires 4 "AAA" batteries. Was $39.95 in 1991 Catalog: 63-677

**Price:** $34.95

Pocket Spelling Corrector

- Phonetic Spelling Correction for 80,000 Words From Merriam-Webster's Dictionary

**NEW!** Franklin Spelling Ace SA-95. Punch in a word the way it sounds, and get the correct spelling in seconds. Gives help with over 1700 "sound-alikes", words that sound like others but have different spellings or meanings. Lets you enter a sequence of letters and get a list of words that have that sequence—type in "phy" and the display lists "physic", "physical", "physician" and more. Crossword puzzle solver and seven word games. 4½ x 4½ x 1¼". With CR2032 battery. (TSP available) 63-691

**Price:** $29.95

Five-Language Translator

**NEW!** Micronta®. Translates between any two of these languages—English, Spanish, Italian, French and German. Each language includes 4000 most-useful words. Converts US dollars into three foreign currencies. World clock displays time in 128 major cities. 3½ x 5½ x ¾". With 2 CR2032 batteries. (TSP available) 63-683

**Price:** $49.95

Pocket-Size Spell Checker

**NEW!** Micronta. Take it everywhere! Convenient size slips into pocket or purse—only 2½ x 4½ x ¾". Spelling correction for 88,000 words. Features help with finding "sound-alike" words and words with similar spelling. Built-in crossword puzzle solver. Auto-shutoff. With 2 CR2032 batteries. (TSP available) 63-674

**Price:** $29.95

Pick Lottery Numbers With A Computer

**NEW!** Micronta Personal Lottery Master. Electronically chooses the numbers for you—no more guesswork or agonizing decisional Selects random sets of numbers for lotteries in any state or country. Also handy for generating numbers for pari-mutuel games like Bingo. Auto-shutoff. ½ x 2½ x ¾". With leatherette case and two RS357A batteries. 63-642

**Price:** $24.95

Merriam-Webster is a registered trademark of Merriam-Webster, Inc. Spelling Ace, Wordmaster and Language Master are registered trademarks of Franklin Computer Corporation. The standard references used by all Franklin dictionaries and each thesaurus on this page are the Merriam-Webster Dictionary and Merriam-Webster Collegiate Thesaurus.
Type, Correct and Print Error-Free Documents

Tandy WP-100 Printing Wordprocessor. Produce letter-quality documents with one self-contained unit. Entering text is easy with the full-size keyboard. Before printing your work on the built-in daisywheel printer, you can revise your text line-by-line on the 80-character by 8-line "superlwist" liquid display. Move, copy and edit words and paragraphs with just a few keystrokes. The built-in 50,000-word spelling dictionary will even proof your text for you! Save your finished documents for updating at any time on 100,000-character 2.8" diskette. Built-in disk drive. With Courier 10 printwheel and 2.8" diskette. (TSP available) 26-3950, Low As $20 Per Month $599.95

Diskette and Ribbon Accessories for the WP-100

- 100,000-Character 2.8" Diskette. 26-3951
- Single-Strike Ribbon. 90K characters. 26-3952
- Lift-Off Correction Tape. For 26-3952, above. 26-3953
- Multi-Strike Ribbon. 150K characters. Special Order (CMC) 26-3954
- Cover-Up Correction Tape. For 26-3954. Special Order (CMC) 26-3955

WP-100 Printwheels Add Style! Only $16.95 Each

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<td>Letter Gothic 10/12</td>
<td>26-3959</td>
<td>Prestige Elite 12</td>
<td>26-3961</td>
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Powerful Word Processing in an Inch-Thin Notebook!

- Only 1" Thin and 3.1 Pounds Light—Slips Comfortably Into Briefcase or Backpack
- Write Letters, Reports and Memos—And Check Your Spelling—Wherever You Are
- Powered by 4 inexpensive "AA" Batteries for the Ultimate in Ease of Portability

Tandy WP-2 Portable Wordprocessor. From boardroom to classroom, from library to home office, you can take notes, prepare reports and write letters—all with the portability of pen and paper. You can even put in a full day's work—up to 12 hours!—without changing batteries. The full-size keyboard lets you cut, paste, search, replace, center and justify your text with just a few keystrokes. The jet-black case houses a 100,000-word spelling dictionary and a 200,000-word thesaurus—you're never at a loss for words. For hard copies of your work, the WP-2 easily connects to Tandy or other PC-compatible printers. You can even add an optional modem to transfer your files by phone from the airport, your motel room anywhere! Requires four "AA" batteries (not included) or AC adapter (sold below). FCC Class B. (TSP available) 26-3930

Internal 32K RAM Expansion. Increases productivity by allowing you to store up to 32,000 additional characters for a total of 54K RAM. Installation recommended (not included). (TSP available) 26-3932

"IC Card" 32K RAM Expansion. Plugs into the WP-2. Saves 32K of battery-protected RAM even after the card is removed. (TSP available) 26-3931

AC Adapter. UL listed. 26-3804 $11.95

Powerful Handheld Computer for Field Calculations

Tandy PC-6 Pocket Scientific Computer. The ideal field or classroom tool for engineers and students. Performs up to 65 preprogrammed scientific calculations. Or write your own calculating programs in BASIC or assembly language. With 8K RAM and a 24-character liquid crystal display. Folds up to a pocket-sized ¾ x 2¾ x 5¾". Battery included. (TSP available) 26-3872

8K RAM Extension Module. For 16K total RAM. 26-3874 $19.95

PC-4/5/6 Printer. Requires 26-3671 cable, below. (TSP available) 26-3852 $99.95

PC-5/6 Cable. 26-3671 $16.95

Cassette Interface. Requires 26-3671 cable, above. 26-3651 $39.95

PROTECT YOUR INVESTMENT WITH A TANDY SERVICE PLAN—SEE PAGE 97
ORGANIZE WITH SYSTEM SPACE-SAVERS

Workcenter Desk
(1) The functional workcenter for your whole system. Keyboard shelf slides under desktop when not in use—locks when extended. Also has convenient supply drawer. Simulated oak vinyl veneer. Somewhat assembly required. 26-150

Printer Stand
(2) Perfect companion for the Workcenter Desk (above). Holds all 80- and 132-column printers. Features bottom-feed paper slot and extra-deep paper shelf. 26-242

Keyboard Flip Stand
NEW! Stores your keyboard on its side so it's out of the way when you need extra desk space for working. 26-1335

Printer Supports
The economical and space-saving way to elevate your printer. Creates extra room for fanfold paper storage underneath. Made of durable plastic. 26-236

Monitor Platform
Holds monitor and external disk drive for the Color Computer 3 or Tandy 1000 HX. 4½ x 20½ x 12" molded plastic, beige finish. Easy to assemble. 26-1329

80-Column Printer Stand
Lets you store up to four inches of paper under your printer. Features a bottom-feed paper slot and skid-resistant feet. 26-146

Copy Hinge
Friction-grip rollers hold copy at eye level. Mounts to either side of any monitor. Swings back smoothly when not in use. 26-124

Computer Security System
A low-cost theft deterrent. Three mounting plates attach firmly to monitor, CPU and wall or desk. System comes complete with cable and combination lock. 26-1375

Rolling System Cart
This space-saving organizer has room for a complete computer system. It's ideal if you're short on work space! Four shelves are vertically stacked, plus the keyboard and printer shelves slide out and lock in place. Will accommodate a printer up to 20" wide. The simulated oak veneer cart is mounted on four wheels and is completely mobile. 30½ x 22 x 15½". Some assembly required. 26-118

Extension Cords
(1) 6' Computer/Printer Power Extension Cord. UL listed. 278-1257
(2) 6' Safety Cord Cover. AC power cord not included. Beige. 26-1379

Extension Cables
6' Shielded Keyboard or Mouse Cable, Mini-DIN plugs. 26-149
5' Shielded Keyboard Cable, 5-pin DIN. 26-256
6' Shielded VGA Monitor Cable, DB15. 26-255
6' Shielded CGA Monitor Cable, DB9. 26-257

Dust Covers
Universal System Cover. Large tailored cover protects your CPU, monitor, and keyboard. 26-541
Universal Color Monitor Cover. Keep your monitor screen free of irritating dust and smudges. 26-548
Printer Dust Cover. For Tandy DMP 107/133/134/135/137 printers. 26-549
Printer Dust Cover. For Tandy DMP 136/240/300/302 printers. 26-550

* MAY BE SPECIAL ORDER IN SOME STORES / ITEMS SHOWN WITH OPTIONAL COMPUTER COMPONENTS (SOLD SEPARATELY)
Quality Tandy® Diskettes — No Better Value for Your Computer!
- Certified Error Free
- Highest Quality Materials for Best Backup Performance

Unformatted, Soft Sectored
3½" and 5¼" 10-Packs Come In Protective Storage Boxes

### Double-Sided 3½" Disks

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### Double-Sided 5¼" Disks

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### Colorful Diskette Labels
- 3½" Replacement Labels. 25 each of four different colors. 25-244 Pkg. 100/2.95
- 5¼" Replacement Labels. 25 each of four different colors. 25-245 Pkg. 100/2.95

### Protect Your Valuable Diskettes
- Deluxe Library Boxes. 3½": Holds 5. 26-1380 2/2.95
- Economy Tote Boxes. 3½": Holds 3. 26-213 1.99
- Diskette Storage Boxes. NEW! 3½": Holds 35. 26-140 11.95
- NEW! 5¼": Holds 50. 26-141 13.95

### 3½" and 5¼" Disk Drive Cleaning Kit
NEW! Kit contains both 3½" and 5¼" diskettes and one ounce of cleaning fluid — enough for 15 cleanings each! Loads like an ordinary diskette to safely remove harmful data-destroying oxide buildup from single or double-sided drives. The disk-perfecting cleaning takes only seconds. 26-295 795
- 3½" Disposable Kit. Same as above, only in a handy two-cleanings size for your 3½" drive. 26-271 3.29
- 5¼" Disposable Kit. Two cleanings. 26-239 2.39

### Computer Care System
NEW! Get everything you need to keep your computer, monitor and disk drives clean — outside and in! This complete Computer Care System contains the 15-application Disk Drive Cleaner Kit (see 26-295, at left), plus one four-ounce pump spray bottle each of video display cleaner, case and cabinet cleaner, and anti-static solution. The system also includes 25 lint-free, non-residual cleaning wipes for those quick monitor display touchups. 26-296 19.95

### Power Switching System
Control your CPU and four peripherals from the front panel. 3-way spike protection and filtration. Rated 15A. UL listed. 26-203 99.95

### Power Center and Controller
6-Outlet Auto Power Controller. Turns on peripherals when CPU powers up. Full common and differential-mode transient spike protection and 3-way filtration. 6' power cord. UL listed AC. 26-1396 69.95

- 4-Outlet Power Center. Three-way transient spike protection, one-way filtration. 15-amp circuit breaker and 6' power cord. UL listed AC. 26-1365 39.95

* *MAY BE SPECIAL ORDER IN SOME STORES / 7000 RADIO SHACK STORES AND DEALERS NATIONWIDE—WE'RE NEAR YOU*
INSIST ON GENUINE TANDY ACCESSORIES

Modems for Tandy® Laptop Computers

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Precision Cursor Controllers

1. Pistol Grip Joystick. Our best game stick provides a better grip for faster, more accurate response. Self-centering with two buttons on the base. For Tandy 1000-series and the Color Computer 3. 26-3123 29.95
3. NEW LOW PRICE! Mouse Pad. Provides excellent contact and a smooth tracking surface. 9½ x 7½". Was $6.95 in 1991 Catalog. 26-275 4.95
4. Two-Button Mouse. PS/2® and Microsoft® compatible. For Tandy computers with PS/2-style mini-DIN port. 25-1042 39.95
5. Mouse Pad. Provides excellent contact and a smooth tracking surface. Was $6.95 in 1991 Catalog. 26-277 4.95

Easy-to-Use Internal PC Modem

2400-bps Half-Card Modem. Access online information with this powerful internal modem for Tandy and other PC compatibles that have an 8-bit slot. You get a full Hayes® command set, auto-dial/answer, monitor speaker and telephone cord. At 1200 bps, the modem is compatible with Bell 212A, and with Bell 103 at 300 bps. Also features CCITT V.22 bis. FCC registered. Was $149.95 in 1991 Catalog. (TSP available) 25-1037

Make the Right Connection with Our Serial RS-232C Cables and Connectors

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<tr>
<td>1 50’ round shielded</td>
<td>DB25 male/DB25 male</td>
<td>26-293</td>
<td>46.95</td>
</tr>
<tr>
<td>1 100’ round shielded</td>
<td>DB25 male/DB25 male</td>
<td>26-294</td>
<td>69.95</td>
</tr>
<tr>
<td>2 6’ round shielded</td>
<td>DB25 male/DB9 female</td>
<td>26-240</td>
<td>16.95</td>
</tr>
<tr>
<td>3 6’ round shielded</td>
<td>DB25 male/DB9 female</td>
<td>26-269</td>
<td>17.95</td>
</tr>
<tr>
<td>4 6’ round shielded</td>
<td>DB9 male/DB9 male</td>
<td>26-116</td>
<td>9.95</td>
</tr>
<tr>
<td>5 6’ round shielded</td>
<td>DB9 male/DB9 male</td>
<td>26-117</td>
<td>9.95</td>
</tr>
<tr>
<td>6 Null Modem Adapter</td>
<td>DB25 male/DB25 female</td>
<td>26-1496</td>
<td>4.95</td>
</tr>
<tr>
<td>7 Null Modem Adapter</td>
<td>DB9 male/DB9 male</td>
<td>26-264</td>
<td>3.95</td>
</tr>
</tbody>
</table>

Many other hard-to-find cables, connectors and computer supplies are available by special order through our exclusive Consumer Mail service. If the item you need is not currently in stock at one of our 7000 participating Radio Shack stores or dealers, we will order it for you at no extra charge.

* MAY BE SPECIAL ORDER IN SOME STORES

Use modems only with Bell-compatible equipment. Direct-connect modems require controller for multilime use.

Hayes/Reg. TM Hayes Microcomputer Products, Inc.
### ENHANCE YOUR TANDY PC COMPATIBLE

#### Top Your System with a Quality Tandy Monitor

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Compatibility</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>VGM-440</td>
<td>Color Monitor</td>
<td>XT Compatible</td>
<td>399.95</td>
</tr>
<tr>
<td>VGM-200</td>
<td>Color Monitor</td>
<td>XT Compatible</td>
<td>199.95</td>
</tr>
<tr>
<td>VGM-100 14&quot; Monochrome VGA Monitor</td>
<td>320 x 200 graphics</td>
<td>XT Compatible</td>
<td>199.95</td>
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<tr>
<td>CM-11 High-Resolution CGA Color Monitor</td>
<td>320 x 200 graphics</td>
<td>XT Compatible</td>
<td>199.95</td>
</tr>
</tbody>
</table>

#### Plug-In SmartDrive™ IDE 3½" Hard Drives

- NEW! 20MB SmartDrive
- NEW! 40MB AT-XT Switch
- NEW! SmartDrive Adapter
- NEW! 20MB AT-XT Switch
- NEW! 52MB 1" Height
- NEW! 105MB 1" Height
- NEW! 40MB AT-XT Switch
- NEW! 160MB 1.6" Height

#### Memory Expansion Kits

- 128K Memory Kit: Upgrades Tandy 1000 TX/TL series from 640K to 788K RAM. Requires 2 DRAMs. 25-1078
- 256K Memory Kit: Adds 256K to Memory PLUS Expansion Adapter. 25-1062
- 512K Zip Memory Kit: Adds 512K RAM to Tandy 1000 RLX. Requires 4 zip chips. 25-1063

#### Tandy 1000 EX/HX Expansion Options

- Memory PLUS Expansion Adapter
- PLUS Upgrade Adapter Board
- External 3½" Floppy Drive

#### System Upgrades and Accessories

- Enhanced 101-Key Keyboard
- Tandy FaxMate
- Memory Expansion Kits
- Memory PLUS Expansion Adapter
- PLUS Upgrade Adapter Board

### Tandy FaxMate™

- NEW! Reduce glare-induced fatigue and eyestrain with this durable, optically coated glass filter that cuts glare by 95%.
- NEW! 8-bit VGA Adapter
- NEW! Dual Serial Port/Parallel Printer Adapter

### Floppy Disk Drives

- NEW! 3½" 720K Internal Disk Drive
- NEW! 5½" 1.2MB External Disk Drive
- NEW! 5½" 360K Internal Disk Drive

### System Upgrades and Accessories

- Enhanced 101-Key Keyboard
- Tandy FaxMate
- Memory Expansion Kits
- Memory PLUS Expansion Adapter
- PLUS Upgrade Adapter Board

---

*May be special order for some stores/there's a Radio Shack store near you—wherever you are*
TANDY® PRINTERS FOR YOUR EVERY NEED

Wide-Carriage Printer With Six Fonts
Ribbon Cartridge. 26-2850 Low As $30 Per Month
Cut Sheet Feeder. 26-2816 299.95

Ultra-Fast Dot-Matrix Printer—Our Finest!
(2) DMP 2130. 28-wire design prints up to 480 cps. Flat bed prints 6-part forms up to 16½" wide. Push tractor with 1" tear. (TSP available) $1199*
Printer Ribbon Cartridge. 26-2846 34.95

Value-Priced 132-Column Printer
With Precision 24-Wire Print Head
NEW! DMP 2104. The ideal printer for personal as well as business use. Convenient front-panel controls—no dip switches to set! Quietly prints up to 240 characters per second. With 360 x 180 graphics, correspondence mode, push tractor, paper park and semi-automatic paper feed. Resident fonts include Courier and Sans Serif. Prints original, plus three copies. IBM Proprinter XL24 and Epson LQ-1050 emulations. (TSP available) $599*
Printer Ribbon Cartridge. 26-2869 16.95

6PPM Laser Printer
LP 950 Laser Printer. A low-cost investment with high-end results. High-speed output and 300-dpi resolution. Space-saving design, yet features expandable 512K memory, convenient LCD front panel controls, front-loading paper cassette and two font card slots. Comes ready to work with listed. (TSP available) $1599*
Toner Cartridge. 26-2838 Low As $49 Per Month
Drum Cartridge. 26-2842 64.95
Developer Cartridge. 26-2843 149.95
1.5MB Memory Upgrade. 26-2852 599.95

High-Speed Dot Matrix Printing for Your Home or Office Correspondence
DMP 302. An ideal home and office printer. Prints up to 270 characters per second, as well as 360 x 180 dpi graphics. Comes with a semi-automatic single-sheet feeder, paper park, 128K memory and six resident fonts—Courier, Prestige, Roman, Helmette, Orator and Gothic. With Epson LQ and IBM Proprinter XL24 emulations. (TSP available) $599*
Ribbon Cartridge. 26-2819 11.95
Cut Sheet Feeder. 26-2816 299.95

*SPECIAL ORDER IN SOME STORES. PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS.
WHEN YOU WANT TO LOOK YOUR BEST

High-Resolution Color Printer Will Add New Life to Your Presentations and Charts

DMP 240. Add a more creative dimension to your work by creating colorful charts, graphs and other visual displays. Great for business presentations, as well as school projects and other personal work that can use some colorful enhancement. Prints up to 160 cps in Roman, Sans Serif, Courier and Prestige fonts. This 24-wire dot-matrix printer is the perfect choice for word processing, general use and graphics which require high-resolution printing, including color printing (color ribbon sold separately, below). With reversible tractor feed and three letter-quality fonts. Prints original, plus up to three copies. UL listed AC. Was $549.95 in 1991 Catalog. (TSP 26-2839 available) Low As $20 Per Month

Ribbon Cartridge, 26-2824 $10.95
Ribbon Cartridge (4-Color), 26-2826 $29.95

Choose From These Price/Performance Standouts

NEW! (1) DMP 202. For fast, crisp copies of all your correspondence, put your computer to work with this dot-matrix printer with 24-wire print head. It's ideal for both general business and personal uses—including memos, reports and desktop publishing—which don't require a wide carriage. Prints up to 180 cps in proportional, elongated, boldface and italic styles. Includes Courier font for letter writing. UL listed AC. (TSP 26-2864 available) Low As $15 Per Month

Ribbon Cartridge, 26-2826 $10.95
Ribbon Refill Pack (Black), 26-1238 $14.95
Ribbon Cartridge (3-color), 26-1235 $19.95

NEW! (2) DMP 135. With word processing, data processing and dot-addressable graphics modes. Prints up to 300 cps in its superior high-speed draft mode. Push tractor for fast fanfold feed. IBM ProPrinter II emulation. UL listed AC. (TSP 26-2866 available) Low As $15 Per Month

Ribbon Cartridge, 26-1236 $10.95
Ribbon Refill Pack (Black), 26-1238 $14.95
Ribbon Cartridge (3-color), 26-1235 $19.95

NEW! (3) DMP 136. This 9-wire dot-matrix printer is the perfect choice for word processing, general use and graphics which require high-resolution printing, including color printing (color ribbon sold separately, below). With reversible tractor feed. (TSP 26-2868 available) Low As $15 Per Month

Ribbon Cartridge (Black), 26-2824 $10.95
Ribbon Cartridge (4-Color), 26-2826 $29.95

Create Iron-On Transfers on Your PC!

NEW! Print 'N Press. Just make a design on your computer, place a transfer sheet in the printer, print it—and you're ready to transfer. Ideal for DMP 240 color printer. Includes five iron-on blanks. 26-1437 $29.95

Hard-to-Find Printer Supplies

Print wheels, plotter pens, roll paper and copier supplies are available by special order through our exclusive Consumer Mail Service. If not currently in stock, we will order them for you at no extra charge.

APPLY FOR A RADIO SHACK VALUEPLUS® CREDIT CARD AND INCREASE YOUR BUYING POWER
Accessories to Take Control of Your Printer

(1) **Printer Selector Switch 3.** Gives fingertip control over your PC/printer hookups. Automatically lets you select between two printers or computers. *(TSP available) 26-2844* 99.95

(2) **Serial-to-Parallel Port Converter.** Lets you use the printer designed for your needs, not your computer's. Converts your personal computer's standard RSC-232 port to a parallel printer port. *(TSP available) 26-2829* 19.95

(3) **Four-Way Printer Switch.** The low-cost way to increase your small office's productivity and efficiency. Selector automatically switches a single printer between four printer hookups. *(TSP available) 26-2829* 99.95

(4) **Printer Cable Extender.** Helps you arrange your office to your convenience—put your printer where you want it. Will extend your printer cable 25 feet when used with the 25-foot extension cable (26-290) sold below. *(26-2840)* 29.95

---

**Replacement Tandy® Printer Ribbons and Supplies**

<table>
<thead>
<tr>
<th>Printer</th>
<th>Ribbon</th>
<th>Cat. No.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tandy LP III, V</td>
<td>Fabric Cart.</td>
<td>26-1414</td>
<td>9.95*</td>
</tr>
<tr>
<td>Tandy LP VII/VIII, DMP 400/420</td>
<td>Fabric Cart.</td>
<td>26-1418</td>
<td>9.95*</td>
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<tr>
<td>Tandy LP VII, DMP 100</td>
<td>Re-Inking Fabric</td>
<td>26-1424</td>
<td>13.95*</td>
</tr>
<tr>
<td>Tandy DMP 105, 106</td>
<td>Black Fabric Cart.</td>
<td>26-1288</td>
<td>8.95</td>
</tr>
<tr>
<td>Tandy DMP 110</td>
<td>Re-Inking Fabric</td>
<td>26-1283</td>
<td>8.95</td>
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<tr>
<td>Tandy DMP 120, 200</td>
<td>Fabric Cart.</td>
<td>26-1483</td>
<td>11.95*</td>
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<tr>
<td>Tandy DMP 130/130A/132/133/107</td>
<td>Black Ribbon</td>
<td>26-1235</td>
<td>10.95</td>
</tr>
<tr>
<td>Tandy DMP 130/130A/132/133/107</td>
<td>Refill (3-Pack)</td>
<td>26-1238</td>
<td>14.95</td>
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<tr>
<td>Tandy DMP 300/2102</td>
<td>Black Ribbon</td>
<td>26-2819</td>
<td>11.95</td>
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<tr>
<td>Tandy DMP 430</td>
<td>Black Fabric Cart.</td>
<td>26-1480</td>
<td>14.95</td>
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<tr>
<td>Tandy DMP 440</td>
<td>Refill</td>
<td>26-2827</td>
<td>19.95</td>
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<tr>
<td>Tandy DMP 442</td>
<td>Black Ribbon</td>
<td>26-2823</td>
<td>11.95</td>
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<tr>
<td>Tandy DMP 500</td>
<td>Fabric Cart.</td>
<td>26-1482</td>
<td>13.95*</td>
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<tr>
<td>Tandy DMP 2100, 2100P, 2110</td>
<td>Fabric Cart.</td>
<td>26-1442</td>
<td>9.95*</td>
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<tr>
<td>Tandy DMP 2120</td>
<td>Black Ribbon</td>
<td>26-2834</td>
<td>39.95*</td>
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<tr>
<td>Tandy DMP 2120</td>
<td>Black Refill</td>
<td>26-2836</td>
<td>18.95*</td>
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<tr>
<td>Tandy DMP 2200</td>
<td>Black Ribbon</td>
<td>26-2825</td>
<td>22.95*</td>
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<tr>
<td>Tandy DWP 220</td>
<td>Black Multi-Strike</td>
<td>26-1299</td>
<td>24.95*</td>
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<tr>
<td>Tandy DW II, DWP 410, 510</td>
<td>Multi-Strike (3-Pack)</td>
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<tr>
<td>Tandy DW II, DWP 410, 510</td>
<td>Nylon Cart.</td>
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<td>7.95*</td>
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<tr>
<td>Tandy DWP 520, 230, 210</td>
<td>Multi-Strike (3-Pack)</td>
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<td>Tandy DWP 520, 230, 210</td>
<td>Fabric Cart.</td>
<td>26-1456</td>
<td>7.95*</td>
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<tr>
<td>Tandy PC-2 Plotter/GCP 115 Plotter Black</td>
<td>26-1480</td>
<td>2.95*</td>
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<tr>
<td>Tandy PC-2 Plotter/GCP 115 Plotter Color</td>
<td>26-1481</td>
<td>2.95*</td>
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<tr>
<td>Tandy WP-100 Wordprocessor Black Single-Strike</td>
<td>26-3935</td>
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<tr>
<td>Tandy WP-100 Wordprocessor Lift-Off Correction</td>
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<td>3.95</td>
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<td>Tandy WP-100 Wordprocessor Black Multi-Strike</td>
<td>26-3935</td>
<td>11.95*</td>
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<tr>
<td>Tandy WP-100 Wordprocessor Cover-Up Correction</td>
<td>26-3995</td>
<td>6.95*</td>
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<tr>
<td>Tandy LP 1000 Toner Black</td>
<td>26-2807</td>
<td>27.95*</td>
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<tr>
<td>Tandy LP 1000 Kit A</td>
<td>n/a</td>
<td>26-2805</td>
<td>199.95*</td>
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<tr>
<td>Tandy LP 1000 Kit B</td>
<td>n/a</td>
<td>26-2806</td>
<td>99.95*</td>
</tr>
</tbody>
</table>

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**Stock Up Now on Fanfold Printer Paper**

Our one-part bond fanfold paper is easy to feed and easy to tear. For maximum convenience, it feeds directly from the carton into your printer. "Utility," "Draft" and "Letter" paper-grade options give you added versatility for choosing the right quality paper that will fit in with your specific printing needs.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Size</th>
<th>Design</th>
<th>Count</th>
<th>Weight</th>
<th>Brightness</th>
<th>Perforations</th>
<th>Cat. No.</th>
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<td>Utility</td>
<td>9&quot; x 11&quot;</td>
<td>White</td>
<td>1000</td>
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<td>Standard</td>
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<td>Good</td>
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<td>Bluebar</td>
<td>1000</td>
<td>15#</td>
<td>65</td>
<td>Standard</td>
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<td>13.95*</td>
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<td>Draft</td>
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<td>2600</td>
<td>18#</td>
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<td>Letter</td>
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<td>1000</td>
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<td>Micro-invisible</td>
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<td>Best</td>
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<td>Bluebar</td>
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<tr>
<td>Other</td>
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<td>15#</td>
<td>72</td>
<td>None</td>
<td>26-136</td>
<td>21.95*</td>
</tr>
</tbody>
</table>

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**We Can Help with Hard-to-Find Printer Supplies**

Print wheels, plotter pens and roller paper for all Tandy and Radio Shack daisy wheel printers and plotters, plus copier supplies, are available by special order through our exclusive Consumer Mail service. If the items you need are not currently in stock, we will order them for you at no extra charge.

---

**Mailing Labels**

- **Red and yellow design with adhesive. Package of 335, 26-126** 8.95
- **Blue-Border Design. Pkg. of 335, 26-127** 8.95

**Fanfold Labels**

- **Pressure-sensitive adhesive**

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
<th>Cat. No.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/4&quot;</td>
<td>150</td>
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<td>6.23</td>
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<tr>
<td>1 1/4&quot;</td>
<td>500</td>
<td>26-2622</td>
<td>19.95</td>
</tr>
<tr>
<td>2 1/2&quot;</td>
<td>500</td>
<td>26-2622</td>
<td>19.95</td>
</tr>
<tr>
<td>2 1/2&quot;</td>
<td>3000</td>
<td>26-2623</td>
<td>19.95</td>
</tr>
</tbody>
</table>

---

*MAY BE SPECIAL ORDER IN SOME STORES / PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS*
LIGHTWEIGHT, GO-ANYWHERE LAPTOPS

Easy and Ready to Use...Instantly

- Built-In Word Processing and Spell Checker Software
- Built-In 3 1/2" Disk Drive
- 640K RAM ■ PC Compatible
- Five-Hour Rechargeable Battery

Tandy 1100 FD. A PC so compact it fits in your briefcase for easy carrying and sits on your lap for quick computing anywhere. It measures only 2 1/8 x 12 1/8 x 9 1/8" and weighs just 6.2 pounds. Exclusive instant-on word processing with spell checker proofs your work for typos—great for students, writers and busy executives! For ease of use, MS-DOS® and the DeskMate® Interface are built right in. Just follow DeskMate's proven system of pull-down menus on the large 7.7 x 4.75" screen. Displays 80 x 25 text and 640 x 200 CGA monochrome graphics. Removable battery delivers up to five hours between charges. Full-size 84-key keyboard emulates an enhanced 101-key keyboard. Nine DeskMate productivity applications included. With printer port, serial port and UL listed AC adapter. (TSP available) 25-3530, Low As $25 Per Month

Battery. 25-3536 29.95* 2400-bps Modem. 25-3538, 199.95*

Accessories for The Tandy 102

Acoustic Coupler 2. Fastens securely to round or square handsets. Ideal for use when direct phone connection isn't possible. Easily connects to phones in hotels, restaurants and airports—wherever you are. Also for WorldPort portable modems or the DCM-6. (Phone handset not included.) 26-3818 59.95* Portable Disk Drive 2. 26-3814 219.95* Direct-Connect Modem Cable. 26-1400 14.95* AC Adapter. UL listed. 26-3804 6.95 Printer Cable. 26-1409 16.95*

Back Up Your Programs on Cassette

CCR-83 Computer Cassette Recorder. Ideal for loading and saving your own programs and data on cassette tapes. Your computer stops and starts the recorder automatically. With automatic level control and battery/record LED indicator. UL listed AC operation, or runs with four "C" batteries (not included). 26-1384 59.95 Replacement Cable. 26-1207 5.95 Deluxe C-20 Reel-to-Reel Tape. 26-308 3.79 Certified C-10 Tape. 26-302 1.89

Famous Micro-Executive Workstation™—Complete With Telephone Modem

- Five Instant-On Programs Provide Word Processing & Organizational Tools for Everyone
- 32K RAM Keeps You Working
- Phone Modem Keeps You in Touch
- Weighs Only 3 Pounds
- 40-Character x 8-Line LCD Display

Tandy 102. Our all-time favorite laptop computer is no lightweight when it comes to performance. Its easy-to-use word processor lets you compose memos, reports and other correspondence. Built-in programs include an appointment calendar, address/phone directory and phone dialer. Includes parallel, RS-232C, cassette and bar code reader interfaces, and a comfortable, full-size keyboard. Works up to 20 hours on four "AA" batteries (not included). (TSP available) 26-3803 Low As $20 Per Month

$599

*MAY BE SPECIAL ORDER IN SOME STORES

MS-DOS/Licensed from Microsoft Corp. DeskMate/Reg TM and Micro-Executive Workstation/TM used by Tandy Corp.
HIGH-PERFORMANCE TANDY® LAPTOP PC

286-Based With 20MB Hard Drive Built In
- MS-DOS 5.0 and DeskMate® Software Included
- 640K, Expandable to 1.64MB
- 3½" 1.44MB Floppy Disk Drive
- Lightweight—Only 6.0 lbs.

NEW! Tandy 1800 HD. Extremely durable construction and compact size (only 12.2 x 10 x 1.7") make this the perfect PC compatible for travel. Features a built-in hard drive and a 1.44MB floppy disk drive for running popular MS-DOS programs to increase your productivity. The DeskMate Graphical User Interface® is already installed, so you can begin computing right away. Choose from DeskMate’s 10 productivity applications including word processing, spreadsheets and more. "Power View" tells you if the power is on when lid is closed. Caps Lock and Control keys can be reconfigured for your convenience. With 12 MHz 80286 processor. (TSP* available) $1999

Modem, Memory & Power Accessories for Laptops
- NEW! 2400 bps Modem/9600 Send FAX. Combination internal modem and send facsimile board. Includes FAX software. 25-3509, Low As $15 Per Month . . . 249.95

- 2400 BPS Modem. For Tandy 1500/1800/2810/3810 HD. 25-3525, Low As $15 Per Month . . 199.95
- 2400-bps Modem. For Tandy 1400 LT/HD. FCC registered. 25-3524, Low As $15 Per Month . . 199.95
- Replacement Battery. For the Tandy 1500 HD/1800 HD/2810 HD/3810 HD. No more down time. Rechargeable. 25-3526 . . 79.95
- Battery for 1400 FD/HD. Always keep a spare on hand. Rechargeable. 25-3521 . . . . . . . . . . . 79.95
- 1MB Memory Module. For Tandy 3810 HD/2810 HD/1500 HD. Adds 1MB storage. 25-3507, Low As $15 Per Month . . 399.95

Take Your Laptop Wherever You Go
- The Perfect Traveling Companions for Notebook PCs
- Secure, Padded Protection

NEW! (1) Deluxe Briefcase Type Carry Case. Protect your notebook or laptop from damage and dust when traveling. Roomy storage compartments and convenient front-zipped pocket keep needed accessories always handy. 25-3514 $59.95

(2) Universal Carry Case. Just slide in your notebook-size laptop for protection and easy portability. Features two outside pockets to hold accessories. 25-3512 $39.95

* May be special order in some stores. PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS.
Get VGA Clarity and A 60MB Hard Drive

- 16/8MHz 80C286 Processor
- 1MB RAM, Expandable to 5MB
- VGA Backlit Screen
- 3.5 Hour Battery Life
- Quality Built, Yet Only 6.7 lbs.

**NEW!** Tandy 2810 HD. An AT®-compatible powerhouse that will handle high-speed applications such as Microsoft® Windows with ease. Features 640 x 480 VGA graphics and sharp 16/32-gray scale. Attach a 101-key keyboard, printer and external drive anytime. DeskMate productivity software and the DeskMate Graphical User Interface® are included. You get a built-in 3½" 1.44MB floppy disk drive and optional external monitor and floppy ports. "Power View" lets you know if the power is on while lid is closed. Configurable Caps Lock and Control keys. Only 12.2 x 10 x 1.7". (TSP available) 25-3552... Low As $76 Per Month

**NEW LOW PRICE!** Tandy 2810 HD with 20MB Hard Drive. Was $2499.00 in Cat. RSC-22A. (TSP available) 25-3551............ $2199*

**386SX Performance! 60MB HD! Our Most Powerful Laptop Ever!**

- Doubles as a Desktop PC—Plug in a VGA Color Monitor, Desktop Keyboard, Mouse and Printer

**NEW!** Tandy 3810 HD. With a super-fast 20 MHz 386SX microprocessor and 1MB of memory, you can process spreadsheets and graphics in a snap. A 60MB hard drive lets you access programs and data without loading diskettes. MS-DOS 5.0 and DeskMate® 3 productivity software are included. The easy-to-read backlit screen features 640 x 480 VGA monochrome graphics. With 1.44MB 3½" disk drive, parallel port, serial port, 4MB memory expansion, FAX/modem slot and VGA monitor connection. 12.2 x 10 x 1.7" Weighs only 6.7 lbs. 25-3571, Low As $100 Per Month

*May be special order in some stores. TAKE ADVANTAGE OF THE TANDY EXTENDED SERVICE PLAN—SEE PAGE 97
Who offers America's best-selling PC compatibles?

America's No.1 choice is Tandy. Tandy has a complete line of PCs, including powerful business systems, and a wide range of software solutions. And just as important, we offer the support so vital in turning your Tandy business computer into a complete PC solution.

What team specializes in knowing your business?

Certified staff. Our college-certified marketing specialists have completed American Management Courses in finance and accounting, as well as rigorous training in light manufacturing, point of sale, wholesale/distribution or office automation. Let our experience go to work for you.

When is a PC not a wise business investment?

We don't just sell PCs, we sell solutions. Our specially trained systems engineers configure multiuser and networked office systems designed for your specific business needs. You get a complete solution, backed with the best in leasing, training and service plans.

Where did the power of networking evolve?

Connecting since the beginning. We've stacked up unmatched experience since we first began installing networks in 1979. We offer complete turnkey service—from installation to employee training—for Novell NetWare networks and UNIX/XENIX multiuser systems.

How can you effectively train your staff?

We've chalked up over a decade of training. Radio Shack offers courses for beginners as well as courses designed to broaden the scope and improve the skills of more advanced users. Comprehensive instruction is available at your place of business.

Why team up with anyone but the nation's leader?

We have the best answers for your business needs. Our account executives are at your call! Prior to recommending a complete PC solution, these trained professionals will come to your office to gain firsthand knowledge of your business. Based on your needs analysis, they can put together a solution based around a stand-alone, multiuser or networked computer system. Remember, we were the first to successfully manufacture and market a personal computer—nobody's been in the business longer. And Tandy desktop PCs are U.S.A. made. Call us toll free at 1-800-433-5682 and we'll come to you.

We're Retail Point-of-Sale Specialists

Retail Point of Sale (POS) is an extension of our own business—we maintain over 4,800 XENIX®-based POS systems in our own stores nationwide. We'll gladly put our years of experience in turning inventory faster and increasing gross margins to work for your small or large business.

We'll show you how you can react faster to sales trends, reduce lost sales by automating return orders and focus on your most profitable items.

And we'll bring your office up to speed with stand-alone, multiuser or networked systems to improve your business' overall productivity. Count on Tandy and Radio Shack for complete retail business solutions.

We can also help reduce clerical costs in light manufacturing operations with automatic order writing and billing. A Tandy Computer system can speed up the billing cycle, reduce work on hand and track work currently in progress.

Total Support You Can Depend On

Tandy Computer Leasing. Leasing allows your company to obtain a ready-to-run business system without an up-front capital expenditure. We offer a true lease for tax purposes, with a variety of terms available. Tandy computer systems, software, third-party hardware and peripherals, installation, training, support and taxes may all be included.

Nationwide Service Network. Our technicians can come to you, or we offer depot service for your equipment at any of the 7000 participating Radio Shack stores and authorized dealers. For a minimum cost, both carry-in and on-site Tandy Service Plans are available.

Attention Consultants! We value your industry expertise in designing "customized" systems. Through our Consultant Liaison Program, we continue to develop relationships with the consulting and software development communities. For more information, write to: CLP, Dept. 472, 1500 One Tandy Center, Fort Worth, TX 76102, or phone (817) 390-2900.
DISCOVER THE WORLD WITH MULTIMEDIA

The Multimedia PC Revolution: Computing Will Never Be the Same!

For computer users, perhaps nothing is as exciting as the future that multimedia promises. Digital audio, impressive graphics, animation and interactivity—all possible with a multimedia PC—will soon be changing personal computing as we know it today.

Multimedia gives us new and better ways to conduct business, to teach and learn and, of course, to just have fun. Imagine using animated drawings to train a salesperson or brief a potential customer about a complex product. Using multimedia technology, individual parts of the product could be examined, rotated and shown in actual operation—all while a normal-sounding, digitized human voice explains detailed information.

Imagine a geography student touring the streets of Hong Kong via a multimedia PC, seeing actual city sights and hearing real city sounds while listening to commentary from a native guide.

Imagine an entire reference library—with text, animation and sound included—all on a single 5 1/4" compact disc.

Imagine game play so real that even the inflection of an animated character's voice becomes integral to the play.

The possibilities that multimedia technology opens up for business, education and even the average computer user are tremendous. In addition to furnishing superb, photographic-quality images and sparking animation, multimedia PCs are able to play and mix digital audio, recorded stereo sounds and MIDI music. And they provide a degree of interactivity unsurpassed by traditional PCs. In fact, multimedia is the next step in the evolution of the PC.

What do you need to experience the wonder of multimedia? A 286-based 10 MHz PC with 2MB RAM, a 30MB hard drive, a 3 1/2" 1.44MB floppy drive, VGA graphics, a mouse, MS-DOS® and one of the Multimedia Upgrade Kits featured below.

At Radio Shack, the future of multimedia is here today.

Our Lowest Cost Internal CD-ROM Drive

NEW! Tandy CDR-1000 Internal Drive. Now everyone can afford to tap into the superb audio, graphics and information-handling capabilities of multimedia technology. The power-packed CDR-1000 features a fast data transfer rate of 150K bytes per second, super-easy loading, an audio-play program, MS-DOS 2.2 Extensions and all necessary boards and drivers to complete your system.

Tandy CDR-1500 Internal CD-ROM Drive. High-speed drive for demanding applications. Complete with disc caddy, PC/XT interface card, mounting hardware and instructions.

Low-Cost External CD-ROM Drive

NEW! Tandy CDR-3000 External CD-ROM Drive. External version of the CDR-1000 (above). Comes with an audio-play program, power drive door, MS-DOS 2.2 Extensions and all necessary boards and drivers.

Now Available! A Complete Line of Industry-Standard Tandy Multimedia PCs

Radio Shack offers a variety of home and business computers already configured for multimedia applications. Visit your nearby participating Radio Shack store or dealer for details and prices. Be sure to ask about our growing selection of multimedia software programs, too.

Windows/Reg. TM of and MS-DOS/Licensed from Microsoft Corp. The Multimedia PC Logo is a trademark of the Multimedia PC Marketing Council. PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS
Move Up to the Latest Version of the World's Most Popular Operating System

NEW! Microsoft MS-DOS® 5.0 Upgrade. Requires MS-DOS 2.x, 3.x or 4.x. 25-4176 69.95
NEW! Microsoft MS-DOS 5.0 Manual Set. 25-4177 21.95

We've Combined the Power of a 20 MHz 386SX Processor With Innovative Expansion Capability

- 80386SX Processor for Affordable 32-Bit Performance
- Fast 20 MHz Operation
- 1MB Memory Expandable to 16MB
- Super-VGA Graphics
- Small Footprint, Yet Remarkable Expansion—Three Available AT-Style Slots, Plus Two Open Device Slots

Tandy 4020 SX. For small businesses growing at a fast pace, our 20 MHz 4020 SX keeps you up to speed. From accounting applications to graphics design, the 4020 SX thrives on almost any data-intensive application, combining 32-bit performance with industry-standard 16-bit hardware compatibility. And this 386SX system is a low-cost alternative to a 386 system.

The 4020 SX is perfect for creative, versatile desktop publishing. A built-in 16-bit Super-VGA card lets you add a color analog monitor and display astonishing graphics with near-photographic clarity. Create stunning graphics from 640 x 480 to 1024 x 768 resolution in 16 to 256 colors using a palette of 256,000 colors. Or use a low-cost monochrome monitor to create superb graphics in 64 shades of gray.

The 4020 SX also features a unique hinged bay which swings open for easy access to card slots and storage devices, making it quick and easy to upgrade. Built-in SmartDrive™ technology lets you add hard drives without adding a separate controller. Comes with a 31/2" 1.44MB floppy drive and three 16-bit expansion slots. Includes MS-DOS 3.3 (25-4109)—a $99.95 value! Was $1999.00 in RSC-22A.

NEW LOW PRICE! Tandy 4025 LX. 25 MHz clock speed. Was $3999.00 in RSC-22A. 25-5125 2999.00
NEW LOW PRICE! Tandy 4016 DX. 16 MHz clock speed. Was $2999.00 in RSC-22A. 25-5001 2499.00

Our High-Performance Tandy 486 Servers Have Power to Share

- Advanced 486 Technology
- Means Power & Performance
- Designed for Multitasking
- Offices That Need to Share
- A Single Server Solution

NEW! Tandy 4833 LX/T. Step up to the power of 486 technology and discover what performance computing is meant to be. Fast 33 MHz clock speed, memory caching and built-in math co-processing means our 486-based system handles data processing, CAD/CAM, spreadsheets and accounting tasks with ease in a UNIX or network environment. The 486 CPU features 4MB memory expandable to 64MB, six open 16-bit ISA expansion slots, 16-bit Super-VGA graphics and one 31/2" and two 51/4" open device expansion slots. Microsoft MS-DOS 5.0 included.

Tandy 4820 SX/T. 486SX microprocessor, 20 MHz clock speed. Supports Intel 80487SX math co-processor. 25-5140 3499.00

Tandy 4820 SX/T. 486SX microprocessor, 20 MHz clock speed. Supports Intel 80487SX math co-processor. 25-5145 Only $135 Per Month*

NEW! Tandy 4833 LX/T. 25 MHz clock speed. Supports Intel 80487SX math co-processor. 25-5145 3999.00

NEW LOW PRICE! Tandy 4025 LX. 25 MHz clock speed. Was $3999.00 in RSC-22A. 25-5125 2999.00
NEW LOW PRICE! Tandy 4016 DX. 16 MHz clock speed. Was $2999.00 in RSC-22A. 25-5001 2499.00

Tandy 4033 LX. An office worker that really performs! With power enough to support small networks, this 386-based PC operates at an incredible 33 MHz and features 1MB RAM, 32K SRAM memory cache, five open 16-bit ISA expansion slots, 16-bit Super-VGA graphics, one 31/2" and two 51/4" device slots. Supports Intel 80387 and Weitek 3167 math co-processors. MS-DOS 5.0 included. Was $4999.00 in RSC-22A. 25-5130 Only $118 Per Month*

NEW LOW PRICE! Tandy 4025 LX. 25 MHz clock speed. Was $3999.00 in RSC-22A. 25-5125 2999.00
NEW LOW PRICE! Tandy 4016 DX. 16 MHz clock speed. Was $2999.00 in RSC-22A. 25-5001 2499.00

Tandy 4033 LX. An office worker that really performs! With power enough to support small networks, this 386-based PC operates at an incredible 33 MHz and features 1MB RAM, 32K SRAM memory cache, five open 16-bit ISA expansion slots, 16-bit Super-VGA graphics, one 31/2" and two 51/4" device slots. Supports Intel 80387 and Weitek 3167 math co-processors. MS-DOS 5.0 included. Was $4999.00 in RSC-22A. 25-5130 Only $118 Per Month*

NEW LOW PRICE! Tandy 4025 LX. 25 MHz clock speed. Was $3999.00 in RSC-22A. 25-5125 2999.00
NEW LOW PRICE! Tandy 4016 DX. 16 MHz clock speed. Was $2999.00 in RSC-22A. 25-5001 2499.00

*CPU Only on Our 36-Month Commercial Lease (Plus Applicable Use/Sales Tax)

Computers on this page available exclusively through Radio Shack Stores with Enhanced Computer Departments / Monitors sold separately
Speed Through Your Work With Our Affordable Tandy® Business-Class Computer

- Doing Business is Even Easier—The Tandy 2500 SX Delivers Affordable 32-Bit Performance at a Fast 16 MHz Clock Speed
- Powerful 80386SX Microprocessor
- 1MB Memory Expandable to 16MB
- Built-In 16-Bit Super-VGA Graphics
- SmartDrive™ 16-Bit IDE Hard Drive Support
- Includes DeskMate® Productivity Software—Get Right to Work With Ten Easy-to-Use Applications

NEW! Tandy 2500 SX. Now’s your chance to enjoy breakthrough pricing for a feature-packed business computer. You get the best in 386SX performance in this small footprint—the 2500 SX measures only 4¼” high, 15½” wide and 15” deep! And with three open AT-style slots available, it’s also a fully expandable PC with power to spare for advanced applications.

Whether you’re working out of your own home or at an office, the 2500 SX cuts through big jobs like spreadsheets, fund accounting and database management with ease. Used as a stand-alone, the 2500 SX is the ideal general-purpose dedicated workstation for desktop publishing, software programming or number crunching. And since it supports operating systems and applications optimized for 32-bit performance, it’s also the perfect network workstation. Small businesses can even use it for a file server!

The 2500 SX’s near-photographic Super-VGA graphics create eye-catching charts sure to draw attention. Add to this enhanced sound and speech capabilities, as well as CD-ROM support, and you have a complete “presentation PC.” The 2500 SX comes with MS-DOS® 5.0 and 10 productivity applications—including a text editor, fonts generator, spreadsheet, filer, calendar and address book—based on the included, easy-to-use DeskMate Graphical User Interface with its proven system of pull-down menus and pop-up dialog boxes. In addition, built-in SmartDrive™ technology makes it easy to add fast-access hard drive storage anytime. And two expansion slots are available to add additional 3½” and 5¼” devices to the included 3½” 1.44MB floppy drive. Plus, an innovative hinged bay makes it easy for you to add options and storage devices yourself. (TSP available) Low As $40 Per Month $1299

PROTECT YOUR INVESTMENT WITH THE TANDY SERVICE PLAN—SEE PAGE 97 / Monitor sold separately
### Chuck Yeager’s Air Combat
- **NEW!** Fly with the leading pioneer of modern air combat, General Chuck Yeager. Four skill levels and a practice mode. Record and play back flights from two different views. Includes bonus VHS tape. Requires 640K. 25-1819  **$49.95**

### Deluxe Scrabble
- **NEW!** The latest version of the most popular word game! Pull-down menus allow easy access to features like the Official Scrabble Players Dictionary. Nine skill levels. Challenge friends or your computer. Requires 640K. 25-1805  **$49.95**

### Lemmings
- **NEW!** You help hordes of mindless but delightful creatures—Lemmings—to escape danger in over 100 play levels. You assist the Lemmings by giving them skills to help them survive each level. One or two players. 25-1806  **$49.95**

### Secret Weapons of the Luftwaffe
- **NEW!** A World War II air combat simulation that pits the U.S. Eighth Air Force against the awesome aerial weaponry of the Third Reich. A gripping, highly realistic experience of extraordinary air battles. Requires 640K 286. 25-1809  **$49.95**

### Super-Sharp Graphics Enhance Game Playing on Your VGA Monitor!

#### King’s Quest V
- **NEW!** Join King Graham on the most thrilling and perilous adventure of his career—his quest for the missing Royal Family of Daventry. The most beautifully detailed graphics ever! 25-1817  **$49.95**

#### Space Quest IV
- **NEW!** Get ready for a crazy trek through time with everybody’s favorite intergalactic sanitation engineer and freelance hero, Roger Wilco, in Roger Wilco And The Time Rippers. 25-1807  **$49.95**

#### Gunship 2000
- **NEW!** Beware... as the only multi-copter game on the market, it can be really addictive. You’ll fly hundreds of missions with a squad of five authentic U.S. Army helicopters. Requires 640K, VGA. 25-1814  **$49.95**

### Sierra 3-Pack
- **NEW!** Includes two fast-paced space-adventure games, Stellar 7 and Fire Hawk (sequel to popular Thexder), and the hilarious Oil’s Well in search of oil. Requires 640K. 25-1815  **$49.95**

### Collectors Limited Edition
- **NEW!** Play three of your favorite board games, Risk®, Monopoly® and Clue Master Detective® on your computer. You can play against friends or the ultimate opponent, your computer. Sold as a package. Requires 640K. 25-1804  **$59.95**

### F-15 Strike Eagle II
- **NEW!** You’ll enjoy this classic game of aerial combat. Includes Persian Gulf bases, targets and scenarios. If you liked F-15 Strike Eagle, you’ll love the F-15 II. Four difficulty levels and a training mode make this game an excellent choice for dogfighting veterans and novices alike. 25-1833  **$49.95**

### Castles
- **NEW!** This unusual game lets you recreate medieval times. Build individual castles or conquer the wild frontier in an eight game campaign. Choose between realistic and magical settings. Three skill levels. 25-1811  **$49.95**

### WE ALSO HAVE LOTS OF OTHER GREAT SOFTWARE TITLES AVAILABLE!

Stop at your nearby participating Radio Shack Store or Dealer to choose from hundreds of other programs available. We carry a full selection of software for any age and interest, including entertainment and educational software, programs for personal productivity and programs for your business. You can trust Radio Shack to handle all of your software needs.

*Unless otherwise noted, minimum system requirements are: 8086 microprocessor, 512K RAM, standard density 3½" disk drive and CGA/TGA graphics.*
LEARNING CAN BE FUN TOO!

Mickey & Friends Fun Pack
NEW! Includes Mickey's Runaway Zoo Fun With Numbers, Donald's Alphabet Chase Fun With Letters and Goofy's Railway Express Fun With Colors And Shapes. Ages 2-5. 25-1801 39.95

Hare Raising Havoc
NEW! Vivid graphics and cartoon sound bring Roger Rabbit, Baby Herman and Jessica to life in this animated game. Help Roger out of seemingly inescapable jams. Req. 640K. 25-1800 49.95

Bugs Bunny's Cartoon Workshop
NEW! Create your own cartoons with this animation package. Join Bugs Bunny and his Looney Tunes pals for hours of fun. Includes bonus figure. Requires 640K. 25-1803 49.95

Super Solvers
NEW! Treasure Mountain!
A fantasy-exploration game that enriches reading, thinking, math and science skills. For ages 5-9. Requires 640K. 25-1808 49.95

Typing Tutor IV
NEW! Have fun while improving your typing skills. Adjusts to your abilities and progress, creating custom-designed lessons. Requires 640K. 25-1818 49.95

Where In America's Past
Is Carmen Sandiego?
NEW! Chase Carmen and her gang throughout American history. You will learn about historical events, discoveries and famous figures along the way. Requires 640K. 25-1802 49.95

Where In Time
Is Carmen Sandiego?
Follow Carmen and her fugitive gang on an adventure through the ages. Time travel takes you from A.D. 400 to the 1950s or anywhere in between. 25-1329 44.95

The New Math Blaster
A fun way to improve math skills. Proven to raise math grades for students ages 6-12. Includes 5 games which provide positive reinforcement. 25-1380 49.95

Quicken 4.0
Saves time and gets you organized. You'll be amazed at how easily you get started, how fast you finish finance chores and how relaxing it is to know how much money you have and exactly where it goes. 25-1435 59.95

TaxCut
The only expert system for managing your taxes. When you've completed your return, TaxCut's Expert will audit the result for deductions you may have missed and entries which may trigger an IRS red flag. 25-1431 59.95

Visions
NEW! Do your daily horoscopes—it's serious astrology made fun! Using precise formulas and planetary movement data, Visions generates complete astrological information as well as horoscopes. 25-1433 39.95

Personal Roots
NEW! This genealogy program will help you trace your family history and organize the information into fascinating reports. Includes a helpful workbook to guide you through the process. 25-1432 19.95

Programs to Boost Your Professional and Personal Productivity

The New Print Shop
Create personalized greeting cards, signs, calendars and more—you're limited only by your imagination. Page preview feature. Multiple graphics and typefaces. Clip art available. Requires 640K. 25-1289 54.95

The New Print Shop Companion
NEW! Adds extra power to The New Print Shop (25-1289). This companion adds features such as page publisher, letter writer, envelope maker, graphic importer and cataloger. 25-1436 49.95

PrintPower Pro
NEW! This user-friendly print software allows you to create banners, greeting cards, calendars, weekly planners, stationary and much more, and get professional looking results. 25-1437 24.95

Varsity Scripsit
A high-powered word processor suitable for any task, from a book report to a complex business proposal. Has many features you'd expect in a more expensive word processing program at a fraction of the cost! 25-1174 89.95

Unless otherwise noted, minimum system requirements are: 8086 microprocessor, 512K RAM, standard density 3½" disk drive and CGA/TGA graphics.
DeskMate Programs That Will Increase Personal Productivity

Home Lawyer. A personal legal software product that lets you create, change, or update important documents like a simple will, power of attorney, and sales agreements. Print a variety of the most frequently used legal documents from Hyatt Legal Services. 25-1434

CheckFree DeskMate. A convenient, nationwide, personal electronic banking service that lets you pay all your bills and take care of other financial transactions involving your checking account in just minutes—no matter where you bank! Requires modem. 25-1367

Homeword II. A powerful word processing system. Features pull-down menus and dialog boxes for easy menu selection and command input, and "what-you-see-is-what-you-get" text screens. Includes a built-in thesaurus, plus an outline processor and spelling checker to organize and polish your efforts. 25-1266

Express Publisher. You can produce the sharpest, most professional-looking documents possible—quickly and easily. With crisp 300-dpi text and graphics, scalable fonts, and advanced layout tools. Requires 640K, hard drive and mouse. Available October 31, 1991. 25-1438

DeskMate Form Finisher. Lets you fill in preprinted forms quickly and easily using any dot matrix printer. Save hours of repetitive work. Use it for invoices, shipping forms, legal forms, sales receipts and more. Features automatic text alignment and calculations. Requires two 3½" floppy disk drives. 25-1295

Lotus Spreadsheet for DeskMate. Lotus has combined its expertise in spreadsheets with DeskMate's format of pull-down menus and easy mouse operation to make business planning, financial analysis, and speculative calculations easy. Features three integrated programs: spreadsheet, graphics, and database. Reads/writes 1-2-3® files. Supports all 1-2-3 cell formats, graphs and "@" functions. 25-1363

FilePro for DeskMate. A basic yet powerful file manager with DeskMate's format of pull-down menus and dialog boxes. Features online help, mail merge with DeskMate text and Q&A Write, four levels of sorting and more. Requires 640K, two 3½" floppy drives. 25-1334

RightWriter. The world's first—and best—expert system for business and technical writing. Corrects grammar, style, punctuation, and usage, and reviews work in terms of readability, descriptive language, and jargon. Requires two 3½" floppy disk drives. 25-1300

DeskMate Q&A Write. Popular, powerful executive word processor with the DeskMate Interface. Features multicolumn and label printing capabilities, advanced search and replace function, built-in font support, mail merge capabilities, column and row math, spelling checker and card file. Requires 640K. 25-1299

Financial Assistant. Organize your personal finances, create a budget, track your investments—find out where all your money is really going. 25-1366

Business Graphs. Create eight types of graphs—bar charts, line graphs, pie charts and more. Enhance business presentations, spreadsheets and other documents. 25-1363

The Outliner. Organize reports, essays and speeches with up to ten user-defined levels of detail. Print or export topic descriptions. 25-1364

Thesaurus Companion. Great vocabulary builder! Over 220,000 synonyms available to add new dimensions to DeskMate text. 25-1365

Macros. Designates up to 100 single "accelerator" keys combining a series of up to 1000 keystrokes, commands and/or mouse clicks. Use with any DeskMate program. 25-1361


Now Get Even More From DeskMate With Companion Programs

Lotus Spreadsheet for DeskMate. Lotus has combined its expertise in spreadsheets with DeskMate's format of pull-down menus and easy mouse operation to make business planning, financial analysis, and speculative calculations easy. Features three integrated programs: spreadsheet, graphics, and database. Reads/writes 1-2-3® files. Supports all 1-2-3 cell formats, graphs and "@" functions. 25-1363

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RightWriter. The world's first—and best—expert system for business and technical writing. Corrects grammar, style, punctuation, and usage, and reviews work in terms of readability, descriptive language, and jargon. Requires two 3½" floppy disk drives. 25-1300

DeskMate Q&A Write. Popular, powerful executive word processor with the DeskMate Interface. Features multicolumn and label printing capabilities, advanced search and replace function, built-in font support, mail merge capabilities, column and row math, spelling checker and card file. Requires 640K. 25-1299

More DeskMate Programs on Page 190

* MAY BE SPECIAL ORDER IN SOME STORES. Unless otherwise noted, minimum system requirements are: 8086 microprocessor, 512K RAM, standard density 3½" disk drive and CGA/TGA graphics.
The Personal Computer for Your Family That’s So Easy to Use
It Guarantees Success!

- The Tandy 1000 RL-HD is designed for today’s busy family
- Saves time by automating daily routines and tasks
- Complete with 24 easy-to-use lifestyle applications
- 20MB SmartDrive™ stores 4000 pages of text and graphics

Enhance the Performance of Your 1000 RL with These Accessories

CM-5 Color Monitor. An economical way to bring color to your computing. The 13" screen displays 80 x 25 text and 320 x 200 graphics. (TSP available) 25-1043 299.95

CM-11 High-Resolution Color Monitor. Create stunning graphics at 640 x 200 or display text at 80 x 25. Features a large 13" screen. (TSP available) 25-1024 399.95

SmartWatch. A perpetual clock/calendar with battery backup. In a chip. Plugs into the BIOS ROM socket. User installable in most PCs. 25-1033 39.95

256K Memory Kit. Upgrades the Tandy 1000 RL to 768K RAM. Contains two 256 x 4 100ns DRAM chips. 25-1082 59.95

Two-Button Mouse. Point-and-click your way through all your work. 25-1042 49.95

NEW LOW PRICE! 20MB SmartDrive. Stores up to 4000 pages of text, charts and programs in your 1000 RL. Was $399.95 in 1991 catalog. (TSP available) 25-1451 25-1450 349.95

NEW LOW PRICE! 40MB SmartDrive. Was $459.95 in RSC-22A. (TSP available) 25-1043 399.95

NEW LOW PRICE! 3½" 720K Internal Floppy Disk Drive. Installation recommended—not included. Was $139.95 in 1991 catalog. (TSP available) 25-1075 109.95

NEW! 1½" 1.2MB External Floppy Disk Drive. May require modification on 1000 RL and RL-4D. (TSP available) 25-1087 299.95
DeskMate® Software Makes It Easy to Use Your PC More Productively

DeskMate® 3. It's incredibly easy to use, because it's designed around the DeskMate Graphical User Interface—The Friendly Face in the PC Crowd™. With pull-down menus and pop-up dialog boxes, DeskMate guides you through tasks quickly and simply. Each day DeskMate greets you with the desktop. This neat, organized display lists all DeskMate applications as well as other programs you may own—and you can access them all with just the point and click of a mouse! The desktop translates MS-DOS commands into English, so you won't have to learn cryptic codes. A collection of personal productivity applications is included for writing letters, budgeting, filing and scheduling appointments. A new font feature lets you print documents in various typestyles to give your reports or newsletters a professional touch. There's even a draw program and word game to enjoy. And wherever you are in DeskMate, you can ask its help function for on-the-spot advice. 25-1351.

NEW! Spanish Version of DeskMate 3. 25-1355

Special Upgrade Offer for Current DeskMate Users!
Owners of earlier versions of DeskMate—simply visit any participating Radio Shack store or dealer and find out how easy it is to upgrade to DeskMate 3.

Household Management Was Never Simpler Than With the DeskMate Home Organizer

DeskMate Home Organizer Companion. Streamline your family's busy lifestyle with these 15 Personal, Kitchen and Financial applications. Your Personal Organizer takes care of all your management chores. Make a detailed inventory of your possessions, or keep a private diary—a secret password and encrypted data file ensure that entries will be for your eyes only. The automated bulletin board stores important phone numbers and makes scheduling daily appointments—even vacations—a breeze! The Kitchen Organizer comes with recipes for appetizers, entrees and desserts, and lets you enter your own favorites as well. Plan meals, then check what you'll need on your Grocery List—a time-saving dream! Track your income and expenditures down to the last penny with the comprehensive Financial applications. Checkbook Register keeps a running total of your checking balance while Checkbook Balancer reconciles your bank statement with your register. Itemize your expenses by category and the computer constructs a pie chart to show how your money was spent. Look for trends in spending during the year—a super time saver at tax time! Financial Notebook keeps watch over your investments, loans and savings, and includes a Mathcard that figures financial formulas for you. Put your life in order with the DeskMate Home Organizer Companion. 25-1370 99.95
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191