

SYSTEM 16

SERIES II



SYSTEM 16 BROADCAST MIXER



IT SOUNDS AS GREAT AS IT LOOKS!

DESCRIPTION

SYSTEM 16 is an expandable, completely modular broadcast mixer, with unprecedented features and performance. It was designed exclusively for broadcast and is not a scaled down version of recording or sound reinforcement equipment, so it performs flawlessly even in high RF environments.

An elegant low profile appearance is accented by solid walnut end panels and armrest. This mixer sits on top of the desk and does not require recessed mounting, so it's easy to install, with all connections made from the top.

SYSTEM 16 is a model of engineering simplicity, using motherboard construction, with only 2 types of amplifier modules and plug-in interconnecting harness. Two independent industrial grade power supplies are rack mounted in a common housing, with front panel AC and DC status indicators. The power supply is short circuit proof and an optional redundant supply is also available.

Operator conveniences include 4 inch log taper slide faders for extremely accurate tracking between channels. In addition to a cue detent position on the fader, there is a separate button for cueing when the fader is up. The stereo cue amplifier is an industry first! The panel layout is easily understood and a pleasure to operate.

SYSTEM 16 features DC audio switching, using LCR's for completely quiet audio control. This also enables each mixing channel to be turned off and on from a remote location, such as an announce studio or news booth. Ten plug-in relays, with switch selection of maintained or momentary contacts, can be used for muting or remote start from any combination of mixers.

SPECIFICATIONS

Mixers: 8 standard, 16 maximum (log taper slider).

Inputs: 24 standard, 48 maximum (3 per mixer).

Input Impedance: 150 Ohms mic, 600 ohms line. Transformer balanced, switch selected.

Input Levels: -55 dBm mic, 0 dBm line (sensitivity adjustable ± 10 dB).

Outputs: 3 balanced stereo line, 1 balanced mono line, plus stereo cue, phone and monitor outputs.

Output Levels: Line Outputs 8 dBm into 600 ohms for 0 VU indication, 24 dBm maximum output. Phones 1 watt into 4 ohms. Cue 5 watts into 8 ohm external speakers. Monitor 0.5 volts into 10K load.

Frequency Response: Within 1 dB, 20-20,000 Hz, mic input to line output.

Harmonic Distortion: Line Outputs less than 0.15% THD 20-20,000 Hz (typically less than 0.05% at 1KHz).

IM Distortion: Line Outputs less than 0.05% SMPTE.

Noise: 70 db below + 8 dBm output, referenced to -55 dBm input, 20-20,000 Hz unweighted. Equivalent input noise -125 dBm.

Power: 117 volts, 50/60 Hz (230 volts optional).

Size: 44W x 8.75H x 25D (inches).

Shipping Weight: 120 pounds (2 containers).



SERIES IIPrice List February 1, 1982

SYSTEM 16 STEREO BROADCAST CONSOLE. Includes power supply and 8 stereo mixer modules, expandable to 16.	\$9,250.00
SYSTEM 12 STEREO BROADCAST CONSOLE. Includes power supply and 8 stereo mixer modules, expandable to 12.	\$8,450.00
SYSTEM 8 STEREO BROADCAST CONSOLE. Includes power supply and 6 stereo mixer modules, expandable to 8.	\$6,450.00

Accessories:

Additional Stereo Mixer Modules. Plug into existing connectors, replacing blank panels supplied in unused mixer positions.	\$425.00
Equalized Stereo Mixer Modules, with HI-MID-LO boost/cut controls, replacing 3-input selector switch. Directly interchangeable with Standard Mixer Module. If substituted, add \$100.00 per EQ Mixer Module to base price.	\$525.00
Remote Input/Output Panel. Mounts in unused mixer position. Two 4-position selector switches, to add additional audio inputs or feed output of console to multiple locations.	\$350.00
Redundant Power Supply. Features additional +30V and +12V modules, with independent fuses, indicators and switch.	\$390.00
Spare Power Supply. Completely independent, takes 5-1/4 inches rack space.	\$495.00
Overbridge. 4-1/2 inch panel height, for custom installation.	\$395.00

Terms:

25% down payment required. Balance 30 days from date of invoice, with credit approval.
5% discount for cash with order. BAC reserves the right to request payment in advance, or to ship C.O.D. if credit cannot be approved with available information.

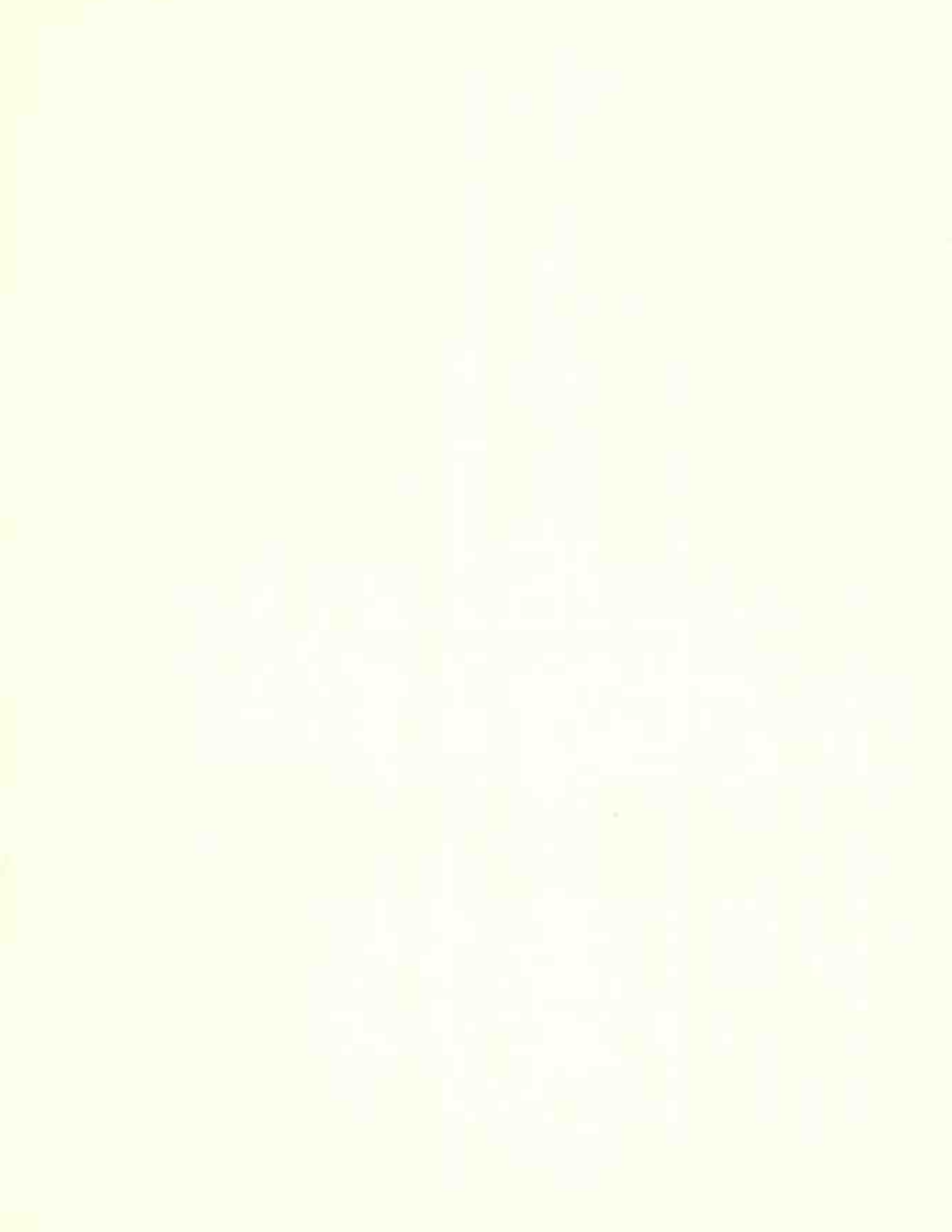
Warranty:

BAC products are warranted to be free of defects in parts and labor for a period of one year from date of invoice. Returns must be factory authorized, sent prepaid and insured.

Availability:

Normally 1 to 3 weeks, following credit approval.

11306 Sunco Drive, Rancho Cordova, CA 95670
916-635-1048





AUDIO DESIGN & MANUFACTURING

SERIES II

Price List January 15, 1984

SYSTEM 16 STEREO BROADCAST CONSOLE. Includes power supply and 8 stereo mixer modules, expandable to 16.	\$9,950.00
SYSTEM 12 STEREO BROADCAST CONSOLE. Includes power supply and 8 stereo mixer modules, expandable to 12.	\$9,150.00
SYSTEM 8 STEREO BROADCAST CONSOLE. Includes power supply and 6 stereo mixer modules, expandable to 8. (P & G faders are standard on Series II)	\$6,950.00

Accessories:

Additional Stereo Mixer Modules. Plug into existing connectors, replacing blank panels supplied in unused mixer positions.	\$475.00
Equalized Stereo Mixer Modules, with HI-MID-LO boost/cut controls, replacing 3-input selector switch. Directly interchangeable with Standard Mixer Module. If substituted, add \$100.00 per EQ Mixer Module to base price.	\$575.00
Remote Input/Output Panel. Mounts in unused mixer position. Two 4-position selector switches, to add additional audio inputs or feed output of console to multiple locations.	\$367.50
Remote Input/Output Panel, as above, but including a single reel/reel control.	\$467.50
Dual reel/reel control. Mounts in unused mixer position.	\$235.00
Redundant Power Supply. Features additional +30V and +12V modules, with independent fuses, indicators and switch.	\$410.00
Spare Power Supply. Completely independent, takes 5-1/4 inches rack space.	\$520.00
Overbridge. 5-1/4 inch panel height, for custom installation.	\$415.00

Terms:

25% down payment required. Balance 30 days from date of invoice, with credit approval. 5% discount for cash **with order**. BAC reserves the right to request payment in advance, or to ship C.O.D. if credit cannot be approved with available information.

Warranty:

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Availability:

Normally 1 to 3 weeks, following credit approval.

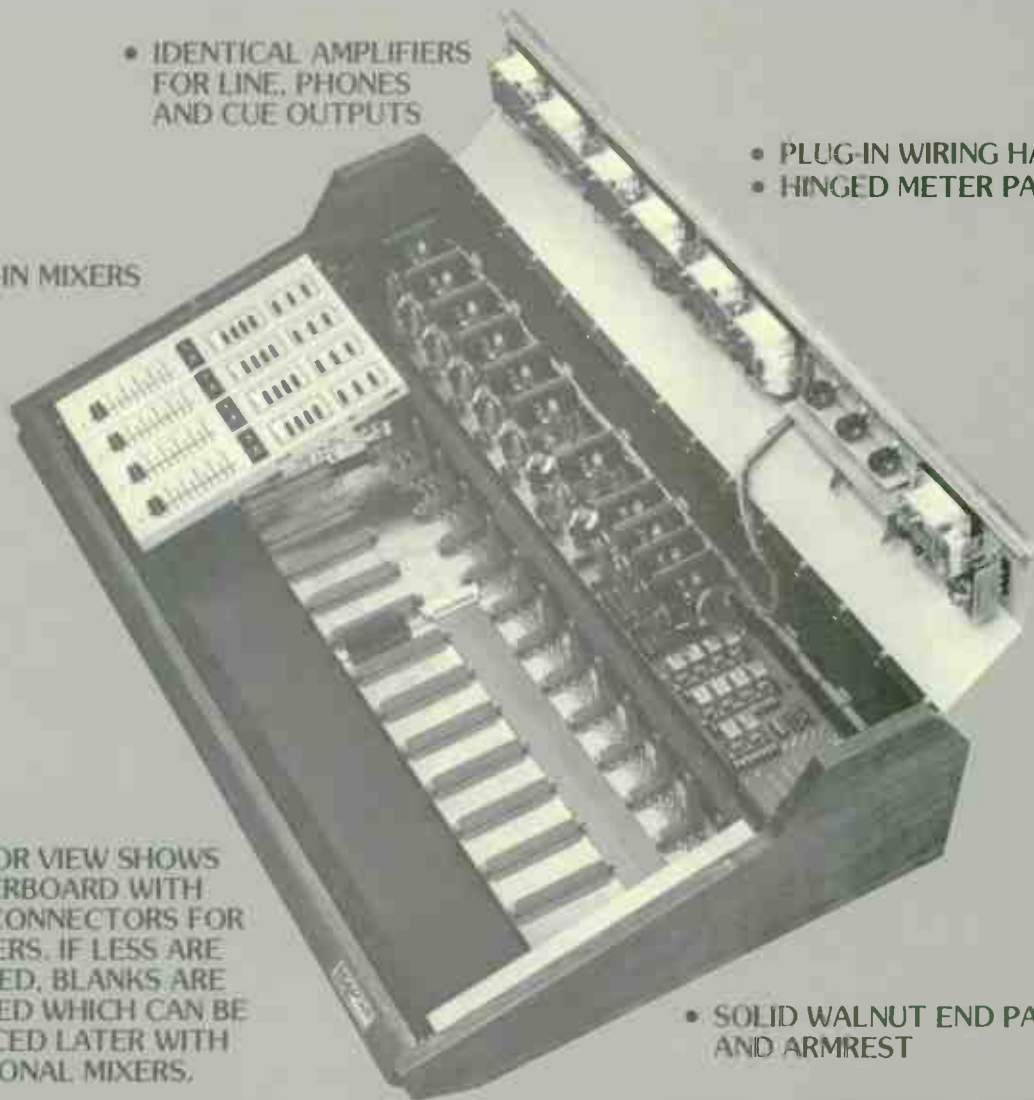
11306 Sunco Drive, Rancho Cordova, CA 95670
916-635-1048



• IDENTICAL AMPLIFIERS FOR LINE, PHONES AND CUE OUTPUTS

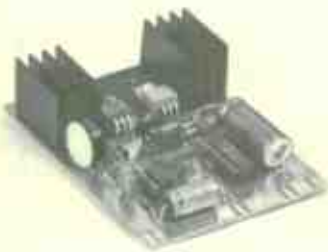
• PLUG-IN WIRING HARNESS
• HINGED METER PANEL

• PLUG-IN MIXERS

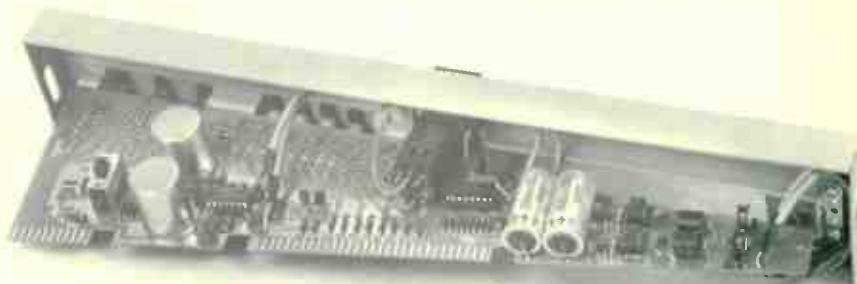


• INTERIOR VIEW SHOWS MOTHERBOARD WITH EDGE CONNECTORS FOR 16 MIXERS. IF LESS ARE ORDERED, BLANKS ARE SUPPLIED WHICH CAN BE REPLACED LATER WITH ADDITIONAL MIXERS.

• SOLID WALNUT END PANELS AND ARMREST



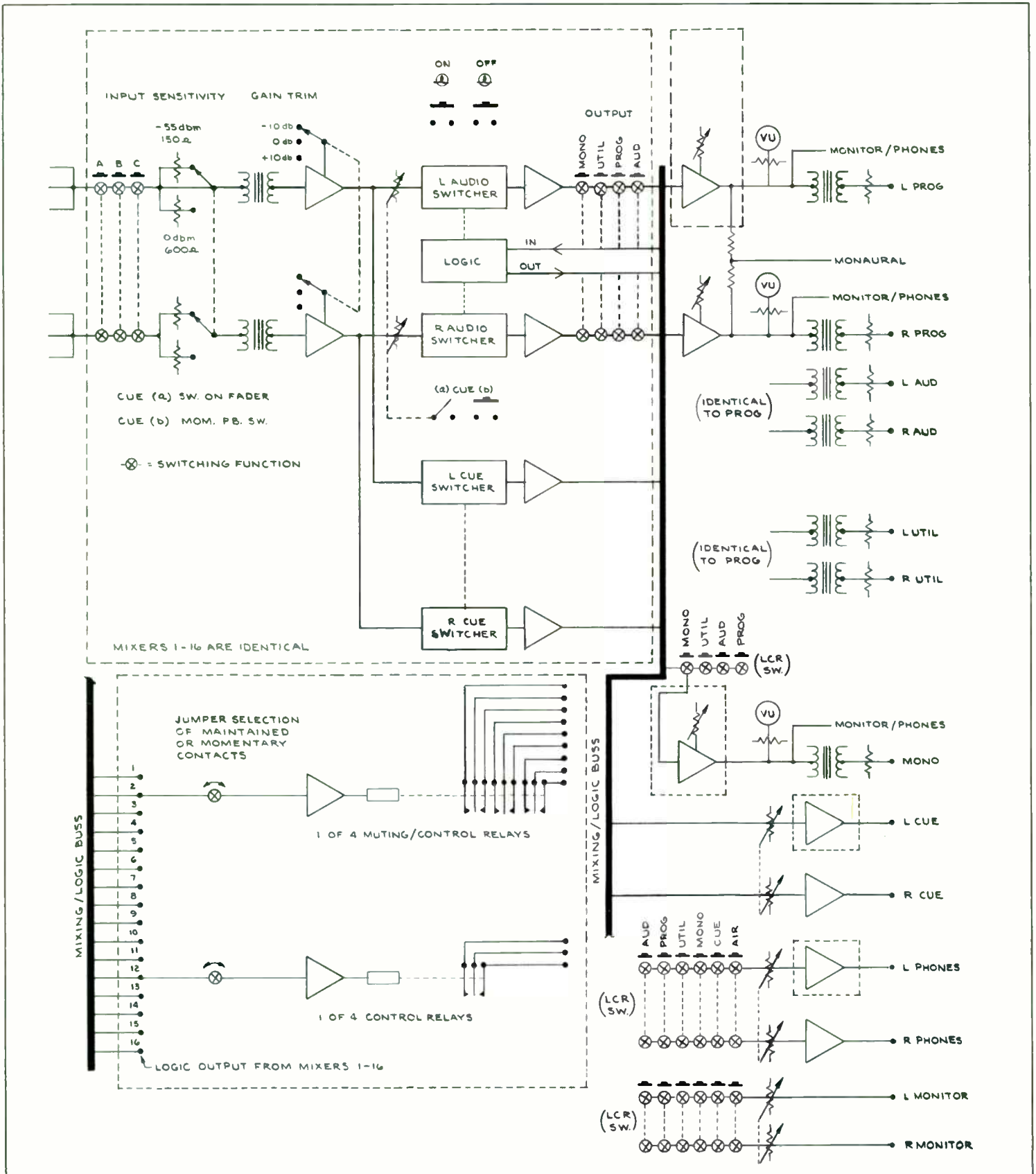
• OUTPUT AMPLIFIER



• MIC/LINE INPUT AMPLIFIER



SYSTEM 16 FUNCTIONAL DRAWING



11355 PYRITES WAY
RANCHO CORDOVA, CA 95670
(916) 635-1048

SYSTEM 8

COMPACT BROADCAST MIXER



IT SOUNDS AS GREAT AS IT LOOKS!

DESCRIPTION

SYSTEM 8 is an expandable, completely modular broadcast mixer, with unprecedented features and performance. It was designed exclusively for broadcast and is not a scaled down version of recording or sound reinforcement equipment, so it performs flawlessly even in high RF environments.

An elegant low profile appearance is accented by solid walnut end panels and armrest. This mixer sits on top of the desk and does not require recessed mounting, so it's easy to install, with all connections made from the top.

SYSTEM 8 is a model of engineering simplicity, using motherboard construction, with only 2 types of amplifier modules and a plug-in interconnecting harness. Two independent industrial grade power supplies are rack mounted in a common housing, with front panel AC and DC status indicators. The power supply is short circuit proof and an optional redundant supply is also available.

Operator conveniences include 4 inch log taper slide faders for extremely accurate tracking between channels. In addition to a cue detent position on the fader, there is a separate button for cueing when the fader is up. The stereo cue amplifier is an industry first! The panel layout is easily understood and a pleasure to operate.

SYSTEM 8 features DC audio switching, using LCR's for completely quiet audio control. This also enables each mixing channel to be turned off and on from a remote location, such as an announce studio or news booth. Ten plug-in relays, with switch selection of maintained or momentary contacts, can be used for muting or remote start from any combination of mixers.

Mixers: 6 standard, 8 maximum (log taper slider).

Inputs: 18 standard, 24 maximum (3 per mixer).

Input Impedance: 150 Ohms mic, 600 ohms line. Transformer balanced, switch selected.

Input Levels: -55 dBm mic, 0 dBm line (sensitivity adjustable ± 10 dB).

Outputs: 2 balanced stereo line, 1 balanced mono line, plus stereo cue, phone and monitor outputs.

Output Levels: Line Outputs 8 dBm into 600 ohms for 0 VU indication, 24 dBm maximum output. Phones 1 watt into 4 ohms. Cue 5 watts into 8 ohm external speakers. Monitor 0.5 volts into 10K load.

Frequency Response: Within 1 dB, 20-20,000 Hz, mic input to line output.

Harmonic Distortion: Line Outputs less than 0.15% THD 20-20,000 Hz (typically less than 0.05% at 1KHz).

IM Distortion: Line Outputs less than 0.05% SMPTE.

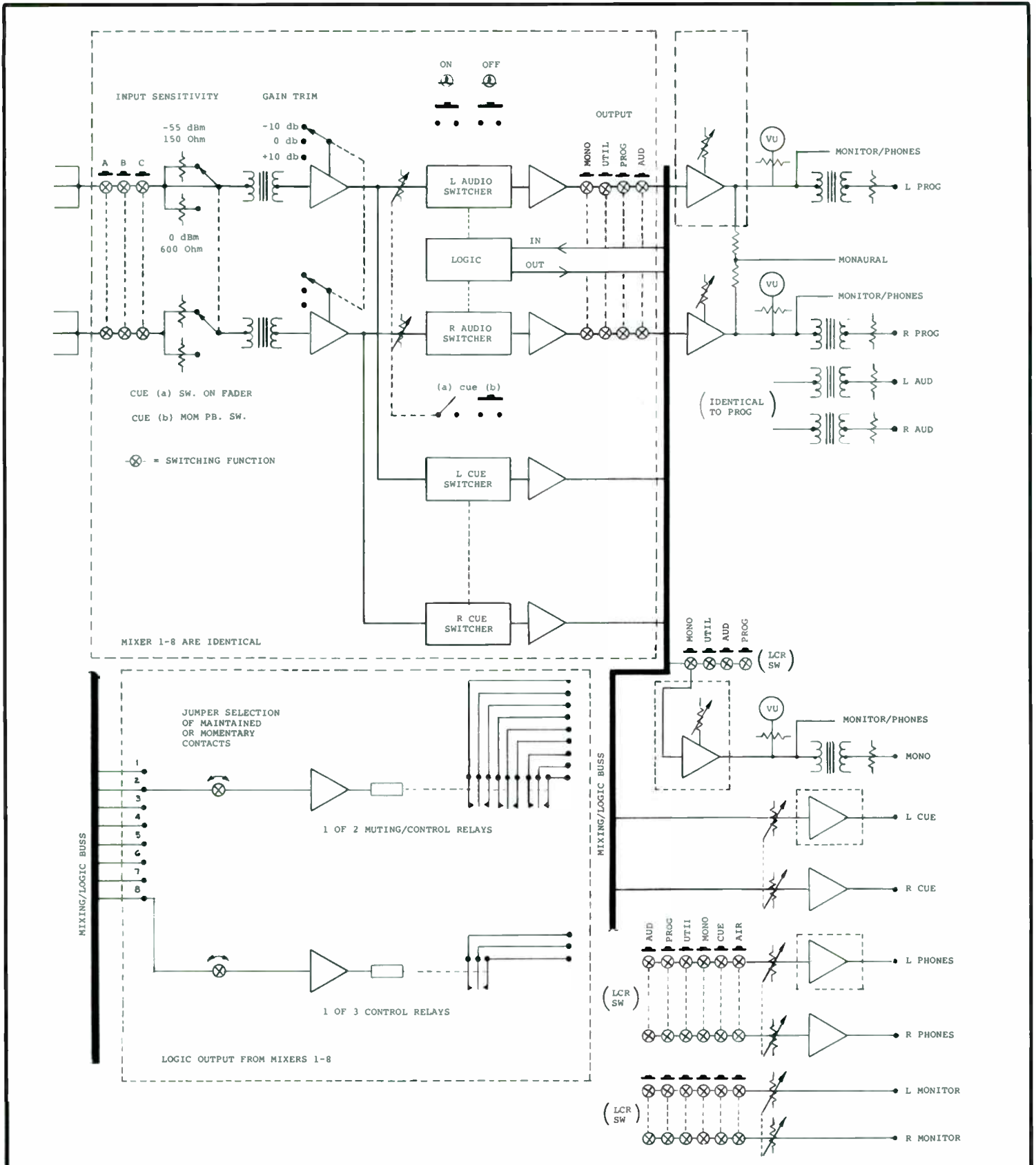
Noise: 70 dB below +8 dBm output, referenced to -55 dBm input, 20-20,000 Hz unweighted. Equivalent input noise - 125 dBm.

Power: 117 volts, 50/60 Hz (230 volts optional).

Size: 35W x 8.75H x 25D (inches).

Shipping Weight: 100 pounds.

SYSTEM 8 FUNCTIONAL DRAWING



11355 PYRITES WAY
 RANCHO CORDOVA, CA 95670
 (916) 635-1048

SYSTEM 20

Price List February 1, 1982

SYSTEM 20 STEREO BROADCAST CONSOLE. Mainframe includes everything except mixer modules and accessories as listed below.

\$8,250.00

Accessories:

Type A Mixer Module with input/output selectors, 7-frequency graphic equalizer, low-cut filter, stereo/mono mode switch and pan pot.

\$875.00

Type B Mixer Module with input/output selectors, stereo/mono mode switch and pan pot.

\$675.00

Type C Mixer Module with input/output selectors.

\$575.00

Blank Panels, to mount in unused mixer positions.

\$15.00

→ Studio Monitor Control, for remote selection of monitor output to studio speakers (requires additional monitor amplifier).

Includes panel or table top enclosure with 6-position switch and level control. 25 foot cable is provided.

\$295.00

Dual reel/reel control.

\$250.00

Talkback Module (three stations plus base).

\$475.00

Talkback Module w/Test Oscillator.

\$675.00

Test Oscillator.

\$250.00

Overbridge, 4-1/2 inch panel height, for custom installation.

\$420.00

Spare Power Supply, with +12V, -18V and +18V outputs. Requires 5-1/4 inches rack space.

\$595.00

Terms:

25% down payment required. Balance 30 days from date of invoice with credit approval.

5% discount for cash with order. BAC reserves the right to request payment in advance, or to ship C.O.D. if credit cannot be approved with available information.

Availability:

Approximately four weeks, depending on configuration.

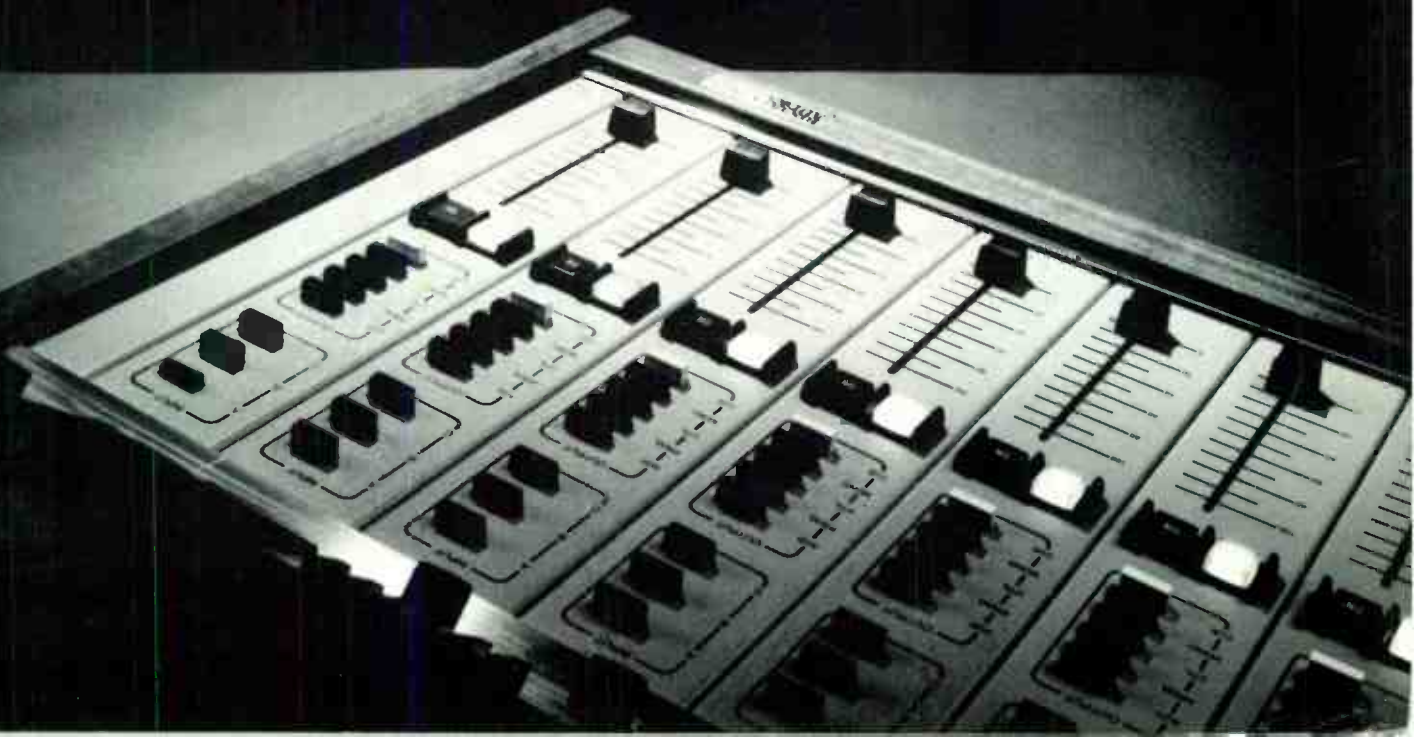
Warranty:

BAC products are warranted to be free of defects in parts and labor for a period of one year.

11306 Sunco Drive, Rancho Cordova, CA 95670
916-635-1048

SYSTEM 12

SERIES II



SYSTEM 12
COMPACT BROADCAST MIXER



IT SOUNDS AS GREAT AS IT LOOKS!

DESCRIPTION

SYSTEM 12 is an expandable, completely modular broadcast mixer, with unprecedented features and performance. It was designed exclusively for broadcast and is not a scaled down version of recording or sound reinforcement equipment, so it performs flawlessly even in high RF environments.

An elegant low profile appearance is accented by solid walnut end panels and armrest. This mixer sits on top of the desk and does not require recessed mounting, so it's easy to install, with all connections made from the top.

SYSTEM 12 is a model of engineering simplicity, using motherboard construction, with only 2 types of amplifier modules and a plug-in interconnecting harness. Two independent industrial grade power supplies are rack mounted in a common housing, with front panel AC and DC status indicators. The power supply is short circuit proof and an optional redundant supply is also available.

Operator conveniences include 4 inch log taper slide faders for extremely accurate tracking between channels. In addition to a cue detent position on the fader, there is a separate button for cueing when the fader is up. The stereo cue amplifier is an industry first! The panel layout is easily understood and a pleasure to operate.

SYSTEM 12 features DC audio switching, using LCR's for completely quiet audio control. This also enables each mixing channel to be turned off and on from a remote location, such as an announce studio or news booth. Ten plug-in relays, with switch selection of maintained or momentary contacts, can be used for muting or remote start from any combination of mixers.

Mixers: 8 standard, 12 maximum (log taper slider).

Inputs: 24 standard, 36 maximum (3 per mixer).

Input Impedance: 150 Ohms mic, 600 ohms line. Transformer balanced, switch selected.

Input Levels: -55 dBm mic, 0 dBm line (sensitivity adjustable ± 10 dB).

Outputs: 3 balanced stereo line, 1 balanced mono line, plus stereo cue, phone and monitor outputs.

Output Levels: Line Outputs 8 dBm into 600 ohms for 0 VU indication, 24 dBm maximum output. Phones 1 watt into 4 ohms. Cue 5 watts into 8 ohm external speakers. Monitor 0.5 volts into 10K load.

Frequency Response: Within 1 dB, 20-20,000 Hz, mic input to line output.

Harmonic Distortion: Line Outputs less than 0.15% THD 20-20,000 Hz (typically less than 0.05% at 1KHz).

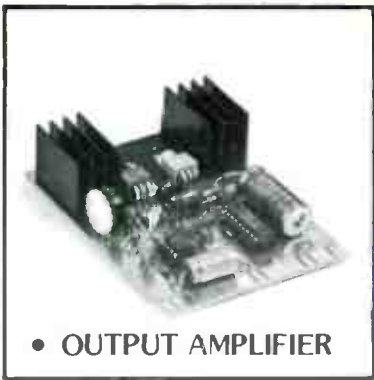
IM Distortion: Line Outputs less than 0.05% SMPTE.

Noise: 70 dB below +8 dBm output, referenced to -55 dBm input, 20-20,000 Hz unweighted. Equivalent input noise -125 dBm.

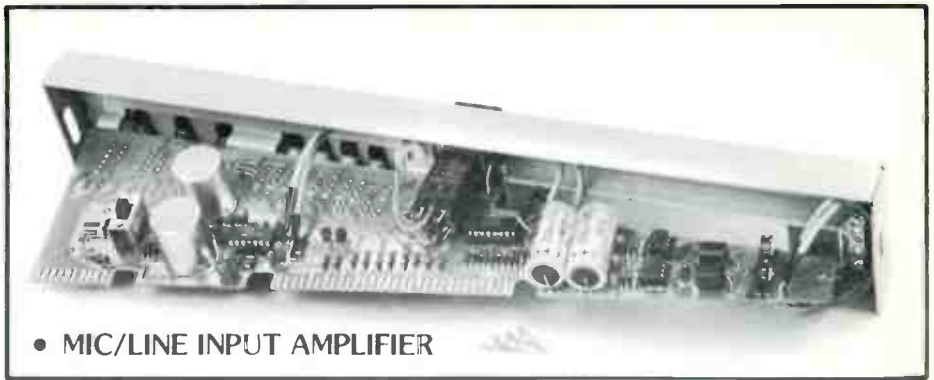
Power: 117 volts, 5/60 Hz (230 volts optional).

Size: 35W x 8.75H x 25D (inches).

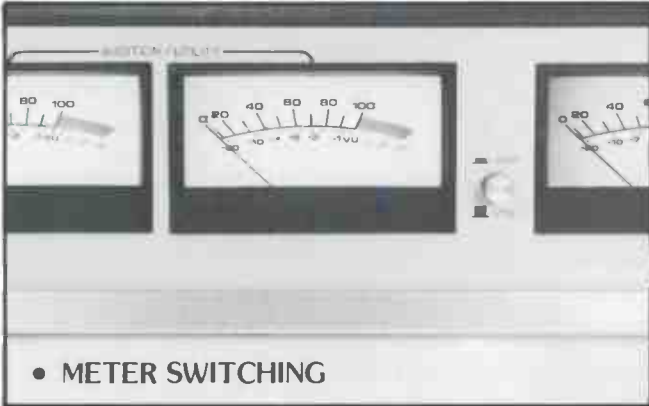
Shipping Weight: 110 pounds.



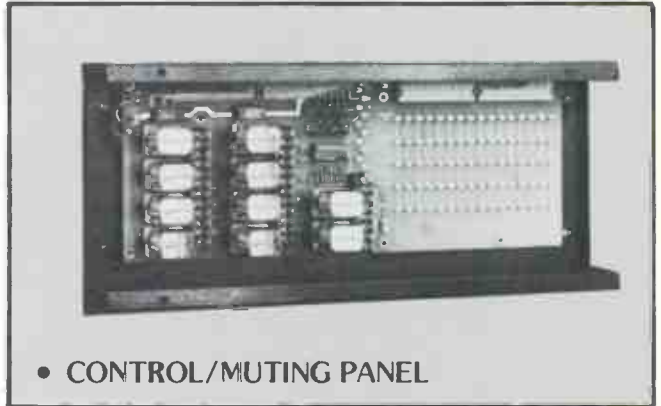
• OUTPUT AMPLIFIER



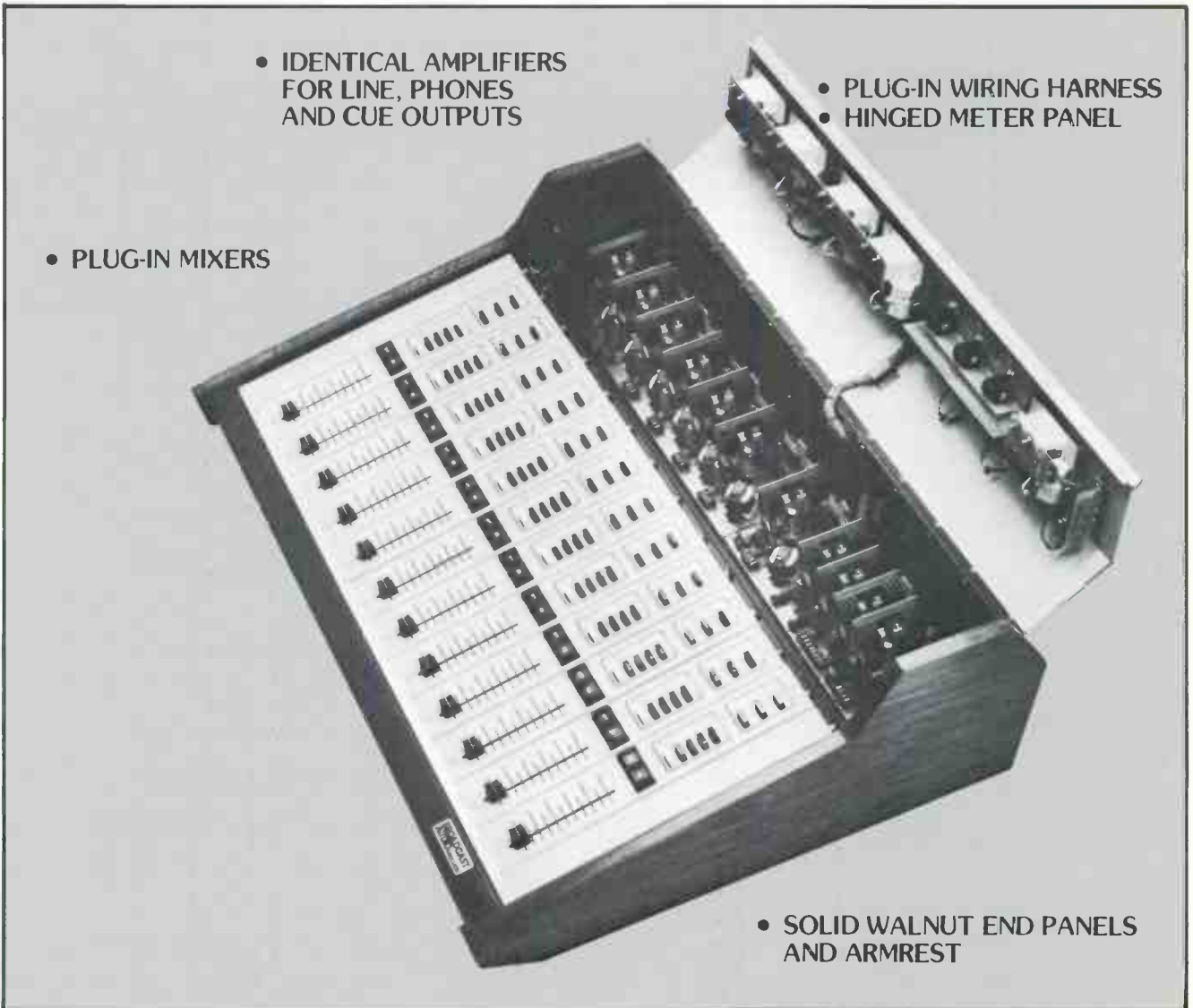
• MIC/LINE INPUT AMPLIFIER



• METER SWITCHING



• CONTROL/MUTING PANEL



• IDENTICAL AMPLIFIERS FOR LINE, PHONES AND CUE OUTPUTS

• PLUG-IN WIRING HARNESS
• HINGED METER PANEL

• PLUG-IN MIXERS

• SOLID WALNUT END PANELS AND ARMREST

ROTARY FADER CONSOLES

Price List April 1, 1983

SYSTEM 5 MONAURAL BROADCAST CONSOLE, with
Allen-Bradley conductive plastic rotary faders. \$1,850.00

SYSTEM 5 MONAURAL BROADCAST CONSOLE, with
Penny & Giles conductive plastic damped rotary faders. \$2,475.00

SYSTEM R STEREO BROADCAST CONSOLE, with
Allen-Bradley conductive plastic rotary faders. ~~\$5,500.00~~

SYSTEM R STEREO BROADCAST CONSOLE, with
Penny & Giles conductive plastic damped rotary faders. ~~\$6,500.00~~ *M2*

Note: Specify 10k transformer, or 10k active bridging
line inputs on SYSTEM 5. Specify any combination
of mono mic, stereo mic, 10k transformer, or active
bridging line inputs on SYSTEM R.

Options:

External Control Module. 3 relays with momentary
or maintained 2 Form C contacts, and 4 open
collector outputs. Other relay options available. \$250.00

Extra Lever Switch Contacts. Factory wired to
rear panel connector. Extra Form C contacts
each side of center "off" position are provided
as standard and can be used wired if optional
connector is not required. \$250.00

Redundant Power Supply. Features additional +18V
and -18V modules, with independent fuses, indicators
and switch. \$450.00

Terms:

5% discount for cash **with order**. BAC reserves the right to request payment in advance, or
to ship C.O.D. if credit cannot be approved with available information.

Warranty:

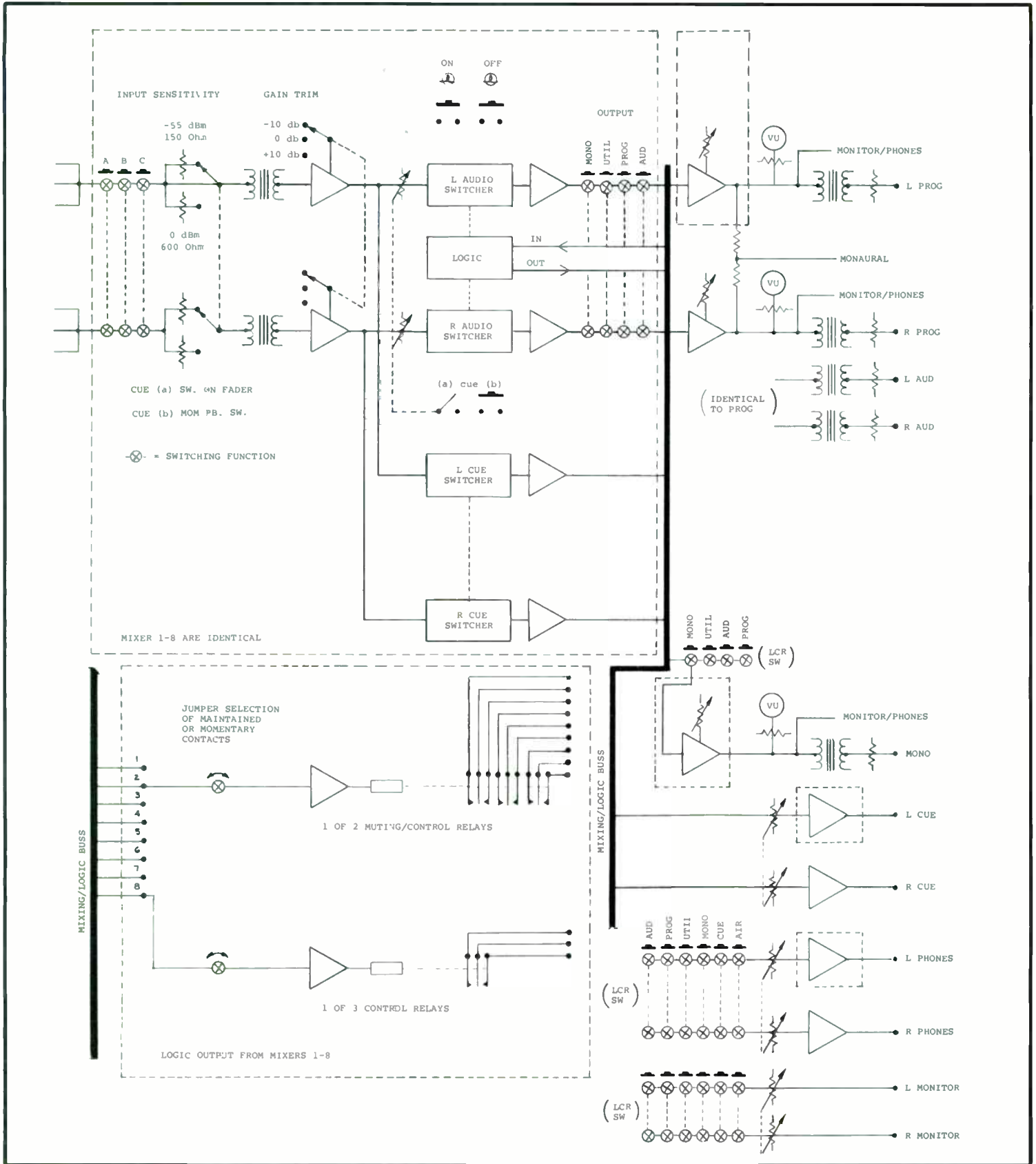
BAC products are warranted to be free of defects in parts and labor for a period of one year
from date of invoice. Returns must be factory authorized, sent prepaid and insured.

Availability:

Normally 1 to 3 weeks, following credit approval.

11306 Sunco Drive, Rancho Cordova, CA 95670
916-635-1048

SYSTEM 8 FUNCTIONAL DRAWING



11355 PYRITES WAY
RANCHO CORDOVA, CA 95670
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SYSTEM 8

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Operator conveniences include 4 inch log taper slide faders for extremely accurate tracking between channels. In addition to a cue detent position on the fader, there is a separate button for cueing when the fader is up. The stereo cue amplifier is an industry first! The panel layout is easily understood and a pleasure to operate.

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Mixers: 6 standard, 8 maximum (log taper slider).

Inputs: 18 standard, 24 maximum (3 per mixer).

Input Impedance: 150 Ohms mic, 600 ohms line. Transformer balanced, switch selected.

Input Levels: -55 dBm mic, 0 dBm line (sensitivity adjustable ± 10 dB).

Outputs: 2 balanced stereo line, 1 balanced mono line, plus stereo cue, phone and monitor outputs.

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Frequency Response: Within 1 dB, 20-20,000 Hz, mic input to line output.

Harmonic Distortion: Line Outputs less than 0.15% THD 20-20,000 Hz (typically less than 0.05% at 1KHz).

IM Distortion: Line Outputs less than 0.05% SMPTE.

Noise: 70 dB below +8 dBm output, referenced to -55 dBm input, 20-20,000 Hz unweighted. Equivalent input noise - 125 dBm.

Power: 117 volts, 50/60 Hz (230 volts optional).

Size: 35W x 8.75H x 25D (inches).

Shipping Weight: 100 pounds.



AUDIO DESIGN & MANUFACTURING

Additional Products

Price List February 1, 1982

BA-235 MOS FET MONITOR AMPLIFIER. Two 35 watt RMS plug-in cards in 1-3/4 inch rack mount or table top enclosure.	\$595.00
BA-435 MOS FET MONITOR AMPLIFIER. Four 35 watt RMS plug-in cards in 1-3/4 inch rack mount or table top enclosure, dual power supply. Ideal for use with Studio Monitor Control.	\$995.00
BA-405 DUAL STEREO PHONO PREAMPLIFIER. Four plug-in cards with automatic redundant power supply, passive equalization network, in 1-3/4 inch rack mount or table top enclosure.	\$995.00
BA-205 STEREO PHONO PREAMP with two plug-in cards, single power supply, passive equalization network, 1-3/4 inch rack mount or table top enclosure.	\$695.00
BA-6x4 DISTRIBUTION AMPLIFIER. Up to six single-channel plug-in cards with 4 transformer balanced outputs, in 1-3/4 inch rack mount or table top enclosure. Features selectable LED metering. Mainframe with two cards.	\$1,175.00
Additional DA cards.	\$175.00
SYSTEM 5 MONAURAL BROADCAST CONSOLE. Twelve inputs, 5 rotary attenuators, single channel. Features built-in monitor, cue and headphone amplifiers, electronic muting of Monitor and Cue, four momentary "start" buttons.	\$1,850.00
JBL STUDIO MONITOR SPEAKERS	On Request

Terms:

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5% discount for cash with order. BAC reserves the right to request payment in advance, or to ship C.O.D. if credit cannot be approved with available information.

Availability:

Normally 1 to 3 weeks, following credit approval or receipt of cash.

Warranty:

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