

Alinco DR-110E

2m mobile

Alinco have a reputation for providing transceivers with good performance at a realistic price, the DR-110E being their latest offering for the 2m FM operator. With today's car dashboards becoming smaller and smaller, the need is often for a set to fit in a small space, yet still have an 'easy' read display together with sensibly placed controls for easy operation on

into a local BBS or Network Node.

The transceiver which is priced at £299 cover 144-146MHz as standard, and the UK importers have pointed out they can if required, extend the receive only coverage to 135-170MHz plus 340-380MHz and 870-890MHz at no extra cost, the latter modification no doubt appealing to the scanner enthusiasts among

or internal details.

Mobile Ease

It's been previously shown in HRT, and confirmed by an independent professional study, that controlling a sophisticated mobile transceiver while driving is considerably more hazardous than simply using a hand held microphone to talk into. So the need for simple, easy to use controls is of paramount importance for a mobile rig, likewise the need for easy identification of the set's controls and functions. To this effect, the Alinco's separate rotary volume and squelch controls are placed in an easy-to-locate position next to the mic plug, the larger rotary channel knob being at the opposite side of the fascia, again easily located by feel alone. All these controls are backlit for location in dark, even the large on/off power switch is illuminated for night time use. The set's operating frequency, memory channel number, and S-meter level are shown in different colours to help quick recognition while on the move. This would normally require only a quick glance at the display to 'home in' on the required information needed rather than a longer search of the display being required ("Sorry officer, I was looking at my radio rather than the car in front").

Piano Keys

Along the bottom of the fascia is a row of push buttons to control the set's other functions. From left to right, these switch in a 'Second Function' and Memory Write, a MHz shift for large QSs, VFO/memory channel operation with a second function of channel spacing control, a 'Reverse Repeater' check with a control 'Lock' second function, optional Sub-tone control and audible beep on/off, Priority channel monitoring, Scan initiation with a channel

A multi-coloured micro mobile with 45W of power to boot, tested by the HRT Review Team.

the move. Does Alinco's latest 2m mobile rig fit this description? . . .

Small Size

Measuring 140mm (W) x 40mm (H) x 170mm (D) it should certainly find a home in even the smallest car interiors, flying leads for the aerial and DC power connections helping it fit into a limited depth. Yet it still has a hefty maximum transmitter output power of 45W to reach those fringe stations and to make the best use of the many compact types of mobile aeriels now available. For local operation or to save drain on your car battery, a switchable low power mode of 5W is provided, also useful for packet radio operation from home

us. As well as operating in normal VFO mode in selectable 5, 10, 12.5, 15, 20 and 25kHz steps, all the usual facilities of memory channels and VFO/memory scanning are provided, together with a programmed band scan and off-offset Tx/Rx operation if needed. 11 memory channels are fitted for storage of your favourite operating frequencies, together with a further three channels for programmed scan limits and the like. The transceiver comes with mobile mounting hardware, a fused DC power lead, and a fist mic with up/down tuning buttons together with a small up/down button 'lock' switch. The instruction booklet gives operating information but no circuit

