

SECTION TWO : INSTALLATION

WARNING

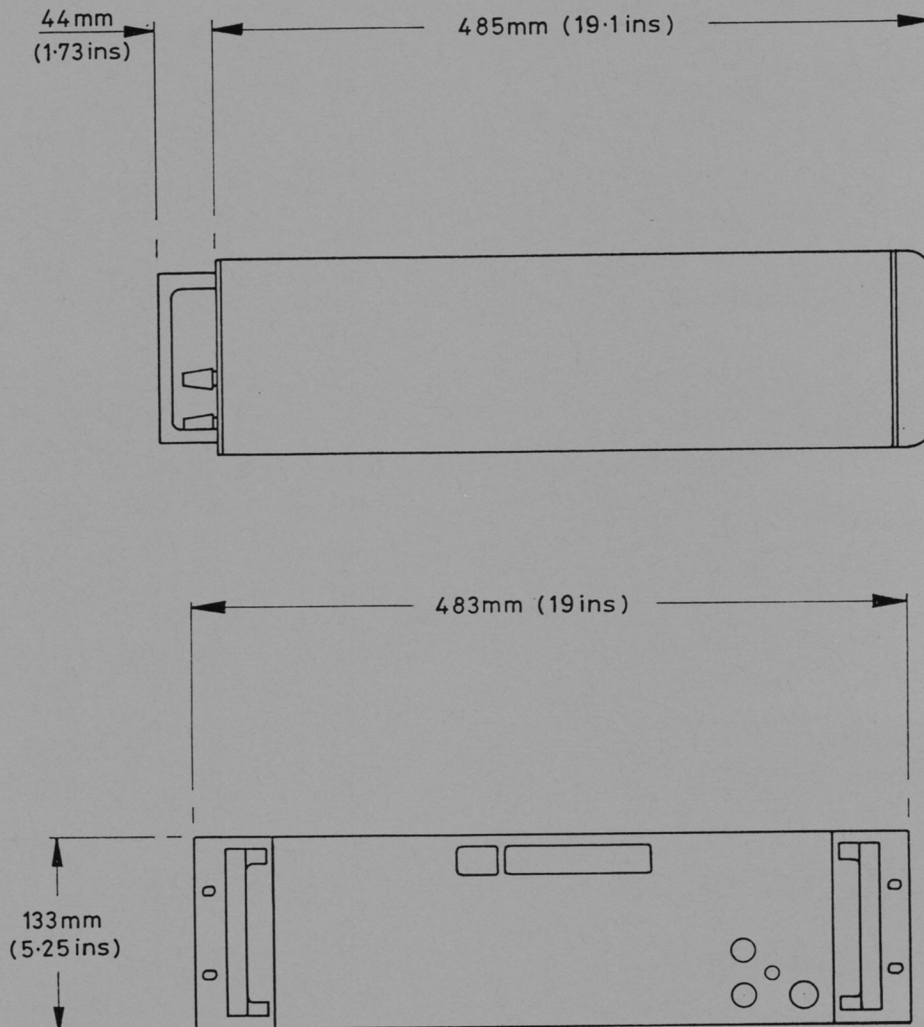
Before connecting to the power supply, the sub-sections 'EXTERNAL CONNECTIONS - 2.2.1 A.C. MAINS INPUT Connector and 2.3.1 FUSES' must be read.

2.1 PHYSICAL DIMENSIONS AND FITTING

2.1.1 Rack Mounting

The receiver can be installed directly in 483mm (19 in) racking using four suitable screws. Plain washers or plastic cup washers should be used beneath the screwheads to prevent damage to the paint finish. Fixing slots conform to the standard spacing of 57mm (2.25 in). Overall dimensions of the receiver are shown in Figure 2.1.

Figure 2.1
Dimensions of Receiver



2.2 EXTERNAL CONNECTIONS

All external connections are made at the rear of the receiver with the exception of the headphone jack on the front panel.

2.2.1 A.C. MAINS INPUT Connector

WARNING

The A.C. MAINS INPUT socket accepts a standard 40-60Hz 240 Volt mains supply using a standard I.E.C. connector. If a moulded plug and lead is used, a connector to suit the local supply arrangements can be fitted to the free end, observing the colour code which is as follows:-

LINE	-	BROWN
NEUTRAL	-	BLUE
EARTH	-	GREEN/YELLOW

The following additional information is issued in accordance with British Standard BS415 and concerns mains supply connections for the U.K.

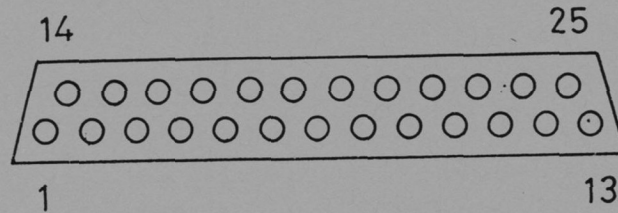
'If the colours of the wires in the mains lead of this apparatus do not correspond with the coloured markings identifying the terminals in your mains connector (or plug), proceed as follows:-

1. The GREEN/YELLOW wire must be connected to the plug terminal marked "E" or " ! " or coloured GREEN or GREEN/YELLOW.
2. The BLUE wire must be connected to the plug terminal marked "N" or coloured either BLUE or BLACK.
3. The BROWN wire must be connected to the plug terminal marked "L" or coloured either BROWN or RED.
4. If a 13A (BS1363) Fused Plug is used for connection to the supply output, the plug MUST be protected by a 3A FUSE. If another type of plug is used, a fuse of the appropriate rating must be fitted either in the plug, or the adaptor, OR AT THE DISTRIBUTION BOARD.'

2.2.2 INPUT/OUTPUT Connections

Aerial input and 100kHz IF output connections are by 50 ohm BNC sockets while ancillaries are by 25 way 'D' type socket and remote control by 9 way 'D' type plug. The connections are detailed in Figure 2.2 and Figure 2.3.

Figure 2.2
ANCILLARIES Connector



view into 25 way
female connector

ANCILLARIES Connector

Pin	Description
1	AF O/P (8 ohms).
2	Not Used.
3	Not Used.
4	Not Used.
5	Not Used.
6	600R line O/P)
7	600R line O/P CT) preset at 0dBm
8	600R line O/P) by front panel
) control (11)RV2.
9	Not Used.
10	Not Used.
11	Not Used.
12	Not Used.
13	10.5MHz Ae. changeover O/P. Maximum rating 50Ma at 30V. 'On' above 10.5MHz.
14	Earth for 1 (unmuted).

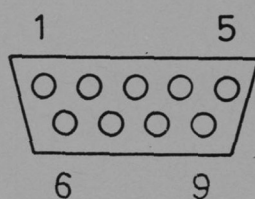
Figure 2.2 (continued)

- 15 Earth for 1 (muted via headphone jack on front panel).
- 16 Earth.
- 17 Earth.
- 18 Earth.
- 19 Earth.
- 20 Earth.
- 21 Earth.
- 22 Earth.
- 23 15V supply O/P maximum 100mA.
- 24 Not Used.
- 25 Not Used.

Connector 25Way 'D' SOCKET Ref. (1) SK3

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Figure 2.3
REMOTE Connector



view into 9 way
male connector

Figure 2.3 (continued)

REMOTE Connector

Pin	Description
1	Digital ground (chassis).
2	Serial data input)5V CMOS input: use)2K7 pull up to 5V
3	Serial clock input)with TTL driver.
4	Serial data output)drive capability)
5	Serial clock output)20 LSTTL loads.
6	Not Used.
7	Not Used.
8	Not Used.
9	Not Used.

Connector 9Way 'D' PLUG Ref. (1) PL1

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2.3 POWER UNIT PROTECTION

2.3.1 A.C. Supply

WARNING

The A.C. mains supply MUST be completely disconnected from the receiver whilst the fuses are replaced.

2.3.2 Fuses

A.C. FUSE (1)FS1 : 1A(T) anti-surge 20mm cartridge fuse in series with the LINE input.

D.C. FUSES (1)FS2, (1)FS3 : 3A 20mm cartridge fuse in series with the mains transformer secondary.

All fuses are accessible on the rear panel.