



Clever Little Box

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PAM10

600Ω Line Interface Unit

User Instructions



Approved:

For connection to telecommunication systems specified in the instructions for use subject to the conditions set out in them.



DGT NS/1538/3/L/453705

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• Description:

The **PAM10** is a 600Ω line interface unit designed to connect the Public Address line output port of a telephone switchboard to the Inter-M range of desk top and rack mount amplifiers.

The unit is supplied in a black enclosure (120L x 65H x 49W mm) and is free standing or can be secured to a clean, dust-free surface by means of self-adhesive pads supplied with the unit.



• Connection Details:

Internal access is via the lid, which is secured by 4 x M3 screws into metal bushes.

Connection to the unit is made through grommets in the enclosure ends onto screw terminals mounted on the printed circuit board. These are marked 'input' and 'output' and, in the case of the output terminals, a choice of either 600Ω or High Impedance is available.

• 600Ω Input:

This is a standard 600Ω line balanced input.

• 600Ω Output:

If a 600Ω output is required, connection is made to the terminals marked 'COM' (common) and 600Ω and the output select jumper (JPI) placed across pins 1 and 2.

• High Impedance Output:

If the unit is required to feed a higher impedance than 600Ω (e.g. an 'Aux' input), then connection should be made to the terminals marked 'COM' and 'HI-Z', and the output select jumper (JPI) should be placed across pins 2 and 3. The output can then be adjusted to suit the desired level, by means of the preset control (RVI) marked 'HI-Z OUTPUT ADJUST'.

• Important Notes:

1. The interface unit is only to be used in conjunction with the specified Inter-M amplifiers.
2. All connections to the unit must be made before connecting it to the switchboard.
3. The output of the unit contains a protection circuit to prevent any overload being fed back to the signal source. Under these conditions the fuse FU1 will fail, isolating the input.
Under NO circumstances must this fuse be replaced with any other type except the specified type and rating. If in any doubt, the unit should be returned to the manufacturer for replacement.
4. There are no operator controls inside the unit.
5. **WARNING.** Interconnection directly, or by way of any other apparatus, of ports marked:-



• **WARNING:**

Connect only apparatus complying with BS6301 to this port.

Ports not so marked may produce hazardous conditions on the BT network. Advice should be obtained from a competent engineer before such a connection is made.

6. The interface is only to be used in the configurations specified above.