

Introduction

The T800-23-0000 Slimline Repeater kit enables one T800 Series II receiver and one T800 Series II transmitter to be mounted horizontally side by side in a standard 483mm (19") rack frame.

The kit contains a front panel complete with speaker, programming port, an options tray (for mounting a power supply, duplexer, etc), and a wiring loom to connect the two T800 Series II modules to the terminal blocks mounted on the rear of the options tray.

The T800-23-0001 power supply (available separately) is designed to fit in the options tray.

The rack height of the assembled unit is 2U.

Parts Required

The following parts are required:

- 1 x front panel (see Note 1)
- 1 x connector block
- 1 x option tray
- 1 x D-range loom
- 1 x 6-way micromatch loom
- 1 x kit (see Note 2)

Note 1: Front panel contains

- 1 x 316-06438-02 front panel c/w spkr/ prog port
- 1 x 307-01015-01 speaker grille
- 1 x 250-00010-19 speaker
- 4 x 353-00010-13 washer M3 s/proof int
- 4 x 352-00010-08 nut M3 cold form hex
- 1 x 220-01410-00 PCB RJ11 b/hd rack Series II
- 1 x 240-04023-00 socket RJ11 bulk head
- 4 x 345-00040-38 screw M3x10mm button head

Note 2: Kit contains

- 1 x 399-00010-51 plastic bag 100x75
- 1 x 302-05224-00 brkt T800-60 spacer
- 4 x 345-00040-10 screw M3x6mm pan Pozi
- 2 x 345-00040-16 screw M3x20mm pan Pozi
- 12 x 345-00040-38 screw M3x10mm b/head
- 2 x 352-00010-08 nut M3 cold form hex
- 2 x 353-00010-13 washer M3 s/proof int
- 1 x 369-00010-12 foot furniture rubber blk
- 4 x 369-00010-24 base cable tie mtg s/ad
- 4 x 369-00010-14 tie cable nylon 100x2.6mm
- 4 x 350-00016-42 spacer 5mm hi

Installation

1. Remove the top covers and front panels from each of the T800 Series II modules.
2. Attach the options tray to the Slimline Repeater front panel - refer to the photo in Figure 4 for the correct mounting position. Mount the power supply onto the options tray. This must be mounted upside-down to maintain compliance with international safety standards.

Note 1: The power supply can be mounted onto the options tray either before or after the options tray is fitted to the front panel.

Note 2: If fitting the options tray only, position the connector block on the top side of the options tray at the rear, adjacent to the label, and secure with the M3 x 20mm screws, M3 shake-proof washers and nuts (insert the screws from the top of the connector through the holes provided in the tray).

3. For Fitting The T800-23-0001 Only

Feed the speaker and programming wires from the T800-23-0000 front panel through the power supply to the connector block on the rear panel via the plastic grommets provided in the front and rear panels and the two cable ties fixed to the side of the chassis. Figure 1 shows the speaker and programming port wiring details.

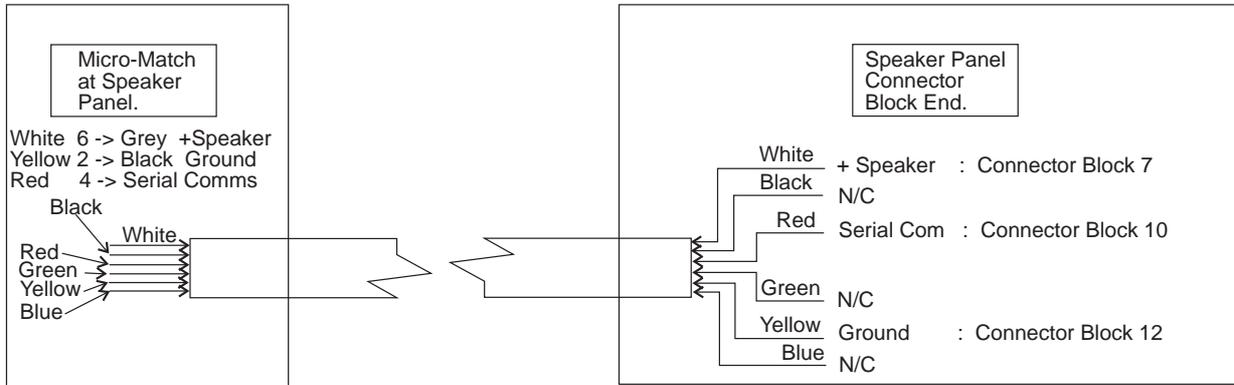


Figure 1 Speaker And Programming Port Wiring Details

4. Attach each module to the Slimline Repeater front panel in the appropriate position with the M3x10mm button head screws provided, ensuring each LED is located securely in the appropriate bush.
5. Fit the rubber grommet into the exciter hole in the front panel of the transmitter.
6. Remove the pan Torx screws from D-range 1 on the transmitter and receiver. Fit the supplied spacers in their place.
7. Fit the spacer bracket between the two T800 Series II modules at the rear as shown in Figure 2.

Refit the top covers.

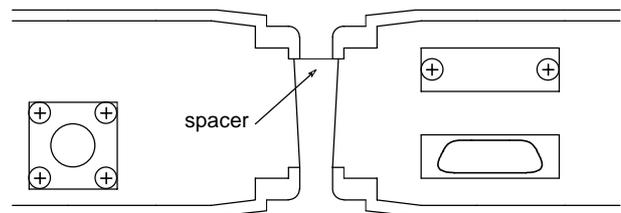


Figure 2 Spacer Fitting

8. Fit the Slimline Repeater wiring loom D-range sockets to the T800 Series II rear panel D-range plugs (remove the latching clamps if not required). Secure the D-range using the M3x6mm pan Pozi screws.

9. Connect the wiring loom to the connector blocks on the rear of the options tray or power supply as shown in Figure 3.

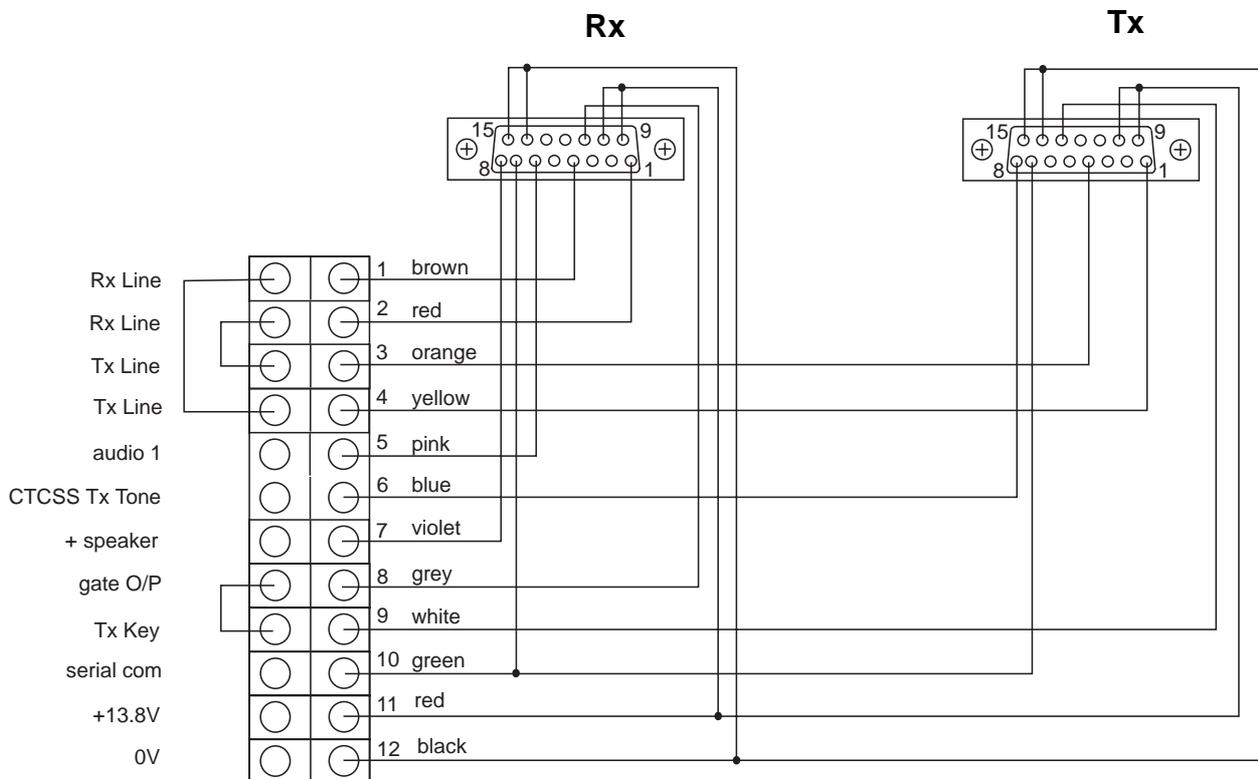


Figure 3 T800-23-0000 Loom Wiring Details

T800-23-0001 Power Supply

Caution: The mains supply must be removed from the power supply before commencing any servicing.

Warning: This equipment must be earthed.

Mains Plug Wiring

Connect a suitable mains plug to the supplied mains cable in accordance with your local wiring regulations.

Servicing

The T800-23-0001 is a direct replacement for the T708-91/92 power supply. Servicing is by replacement only.

The IPNs for the power supply cover and options tray are as follows:

power supply cover	303-10047-00
options tray	303-11098-03

Options Tray

The options tray must be fitted to the front panel with the power supply mounted underneath to maintain compliance with international safety standards. This is shown in the photograph in Figure 4.



Figure 4 Correct Mounting Position For Options Tray