



Technical Note TN-624 Version 1.0

Modifying a T800 II Programming Lead for use with the T1810 Channel Controller

17 July, 2000

Applicability

Programming T1810 Channel Controllers.

1. Introduction

Problem

The T1810 system is a low cost, single site MPT1327 radio trunking system. It is programmed from a DOS based programming utility. The T1810 is connected to a PC running the utility with a modified T800 II programming lead (T800-01-0002). All programming leads manufactured since June 2000 can be used to program the T1810. The modified leads are readily identified by the band of black heatshrink on the cable adjacent to the RJ11 connector.

Note that the modification does not interfere with programming a T800 II radio.

Solution

T800 II programming leads predating June 2000 must be replaced or modified if they are needed for T1810 programming purposes.

2. Preparations for modification

Replacement component

T800 II programming lead (T800-01-0002).

Materials, tools and equipment

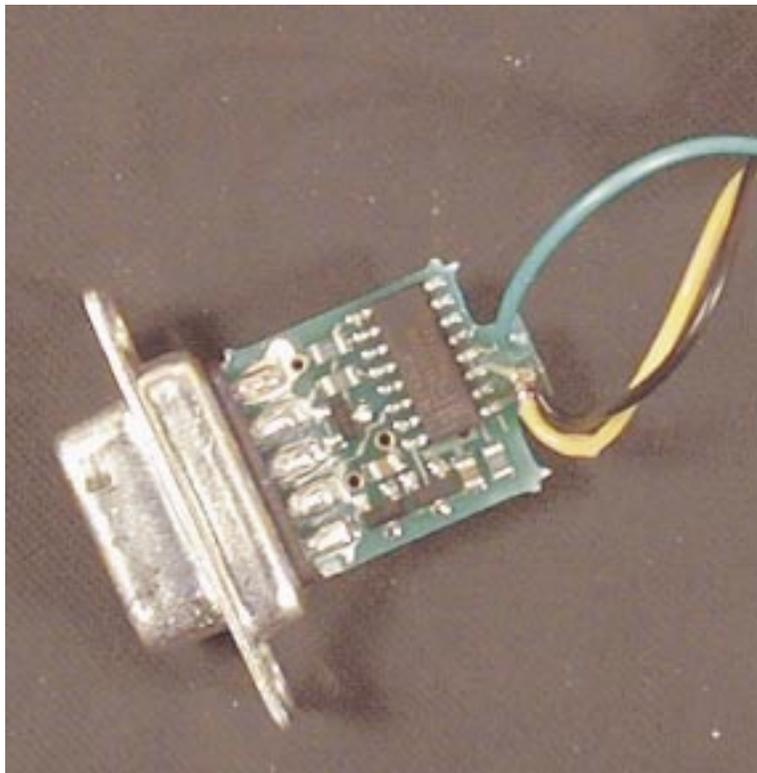
Heat gun
Soldering iron
Hot melt glue
Penknife
Screwdrivers as required
Black insulating tape

3. Procedure

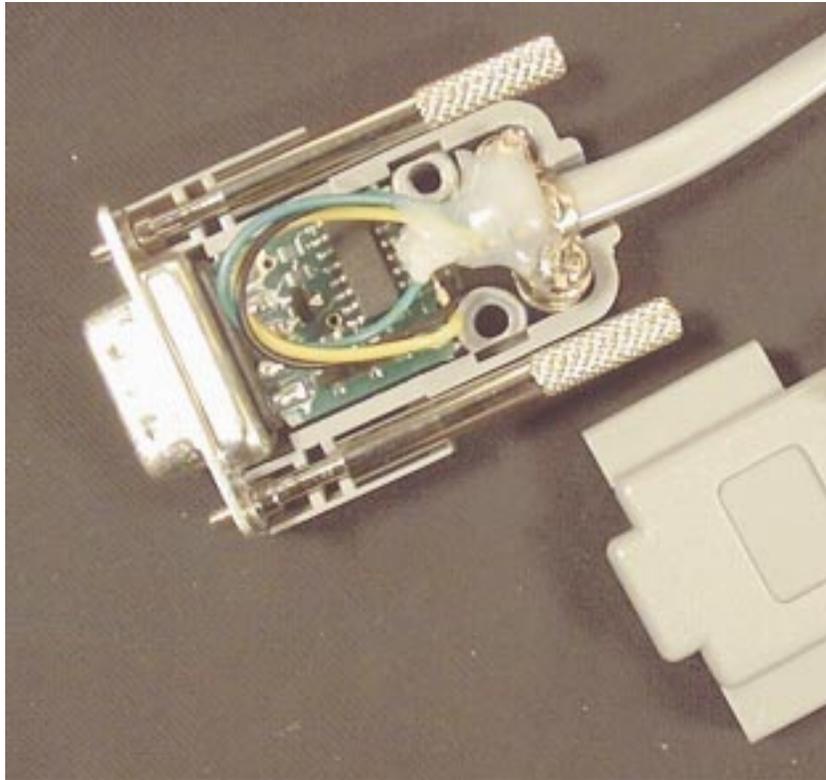
CAUTION

Observe anti-static precautions when handling PCBs to avoid causing damage by static discharge

- 1** Remove the covers from the 9-way D-range connector. Note hot melt glue inside the covers may need to be eased away from the covers.
- 2** Use a heat gun to remove the hot melt glue from the cable.
- 3** Un-solder the cable from the PCB & strip 30mm of the cable sheath. Cut away the red wire.
- 4** Strip & solder the green wire back to its original hole in the PCB (it tracks to pin 4 of the IC).
- 5** Strip & solder the yellow & black wires into the hole which tracks to pin 3 of the IC.



- 6** Apply low temperature hot melt glue (eg RS part no 692-441) to the cable entry/clamp area. This glue prevents fretting of the cable & premature breakage.



- 7** Re-assemble the D-range housing.
- 8** Apply black tape to the cable adjacent to the RJ11 to indicate that the lead is T1810 compatible.



4. Issuing authority

Name and position John Crossland
Of issuing officer Documentation Manager

5. Amendment Record

Publication History

Version	Publication Date	Author
1.0	17 July 2000	Sarah Jane Glubb

Amendment History

Version **Amended Sections and Pages**