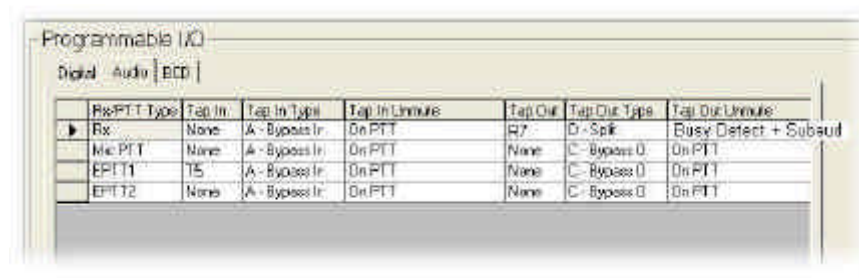Under the Programmable I/O/Audio page set:

? Ensure the AM8000-UIS board plugged into the internal options port of the TM8000 radio. Terminate the radio into a communications test set and set the test set to demodulate an FM transmission.

? The AM8000-UIS line levels can be adjusted using VR1 and VR2 on the board. Adjust these line levels to suit your requirements.

Quick Setup guide for the AM8000-UIS.

The AM8000-UIS (940-00218-00) is a TM8000 UIS Universal Interface designed for use in the TM8000 product line of mobile radios.

Packaged Parts:

1x AM8000-UIS PCB.
1x Quick reference setup guide (this document).
1x Packet with:
    1x 18way micromatch loom 100mm in length.
    1x D-Range seal.
    1x D-Range cover.
    2x D-Range screw-locks.
    9x Pan Torx M3x8mm taptite screws.
    2x Pan Pozi black UNC 4/40 screws.

Quick Installation Guide:

1. Remove the plastic outer covering from the TM8000 radio. Remove the four outer chassis screws and remove the top radio cover.

2. Remove and dispose of the D-Range rubber grommet from the top cover.

3. Connect the 18way micromatch loom to the AM8000-UIS PCB. Fold the loom around to the non-component side of the PCB.

4. Remove the paper backing on the D-Range seal and affix the seal inside the top radio cover noting the correct orientation of the D-Range.

5. Insert the AM8000-UIS PCB into the top cover and use 6 of the Pan Torx taptite screws to affix the PCB to the radio cover. Ensure the 18way micromatch loom is not pinched or bound by the PCB. Dispose of the remaining 3 Pan Torx screws.

6. Screw the 2 D-Range screw locks into the D-Range connector on the AM8000-UIS PCB.

7. Plug the loose end of the 18way micromatch connector into the internal options connector on the main PCB of the TM8000 radio.

8. Setup and configure the links on the AM8000-UIS PCB as required. (see Setup and Link configuration on page 2). Ensure the audio RX and TX levels are correct before re-assembling the radio.

9. If required screw the D-Range cover to the AM8000-UIS D-Range using the 2 UNC 4/40 screws (this is to maintain the IP rating of the radio when the D-Range is not is use).

10. Re-use the radio Torx screws to reattach the top cover to the chassis making sure to fold the micromatch loom clear of pinching or binding.

11. Attach the radio's outer plastic cover.

12. Complete a radio check to ensure correct operation.

Setup and Link Configuration:

⚠️ Do not change or re-solder links on the PCB with power applied to the radio body. Doing so WILL damage the option board and possibly the TM8000 radio.

? Use a soldering iron to set links as per requirements. ~~Link options are as per table 1. Highlighted fields are defaults.~~

Link	Open	Closed
LK1	Reserved	Reserved
LK2	Reserved	Reserved
LK3	Reserved	Reserved

Table 1. Links.

? Check for un-intentional shorts from one link to another.

? Using the TM8000 programming application set these options:

Under the Programmable I/O/Digital page set: