TM8000 UIS Universal Interface
(940-00218-00 AM8000-UIS)

The AM8000-UIS is primarily a 4 Wire E & M board for the TM8000 range of mobile radios.
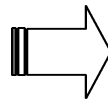
It provides a configurable interface for:
- *audio interfacing requirements*
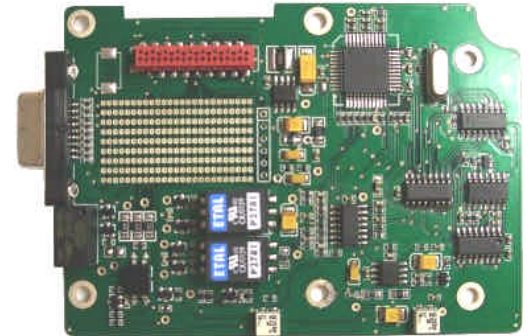- *a range of signals including BCD channel change, suitable for telemetry applications*

A standard AM8000-UIS board comes configured with 4 wire 600 Ohm balanced audio lines and isolated E & M (gate & keying) lines with opto and relay.

This functionality was previously provided for T2000 mobiles using combinations of 3 different boards:
- A2000-UIS
- A2000-UIS + A2000-UIK (4 wire E & M Kit)
- A2000-UIT (Universal Interface Telemetry, for BCD channel control, etc)

The AM8000-UIS combines this functionality in a single board.

Features

- Simple to install, fits inside the option space inside the radio
- 9 Pin D-Range connector
- 2 Audio Line 600 Ohm Transformers
- Opto and Relay Isolated
- Adjustable line levels
- I/O Signals matrix for configurable I/O
  - This enables the I/O connectors pin configuration to be rearranged to match existing or special requirements
- BCD channel control supported via external BCD lines

TM8110 – 10 channel mobile

TM8115 – 24 channel mobile

Specifications

Supply Voltage	10.8V to 16.6V DC
Supply Current	10mA Nominal
LINE OUT Level	-20dBm to +10 dBm
LINE OUT Impedance	600 ohms Balanced
LINE IN Level	-20dBm to +10 dBm
LINE IN Impedance	600 ohms Balanced
PTT IN	Opto Coupled, Non Polarised, 11 to 50 Volt Input range
GATE OUT	Voltage Free N.O. Relay Contacts. Relay Contacts rated 1A @ 24V dc, or 400mA @ 50V dc
PTT IN DIR	Active Low (Pull to Ground)
GATE OUT DIR	Active Low, Open Collector, 50mA max.
EXT_GPIO3 to 7	Active Low (Pull to Ground) inputs or Active Low outputs.
Austel Approval	The **AM8000-UIS** is **Not** Austel Approved

TM8105 – 24 channel data radio

TM8250 – 1500 channel mobile

Part Number	Description	List Price (ex GST)
940-00218-00	TM8000 UIS Universal Interface	$195