

Technical Data Sheet

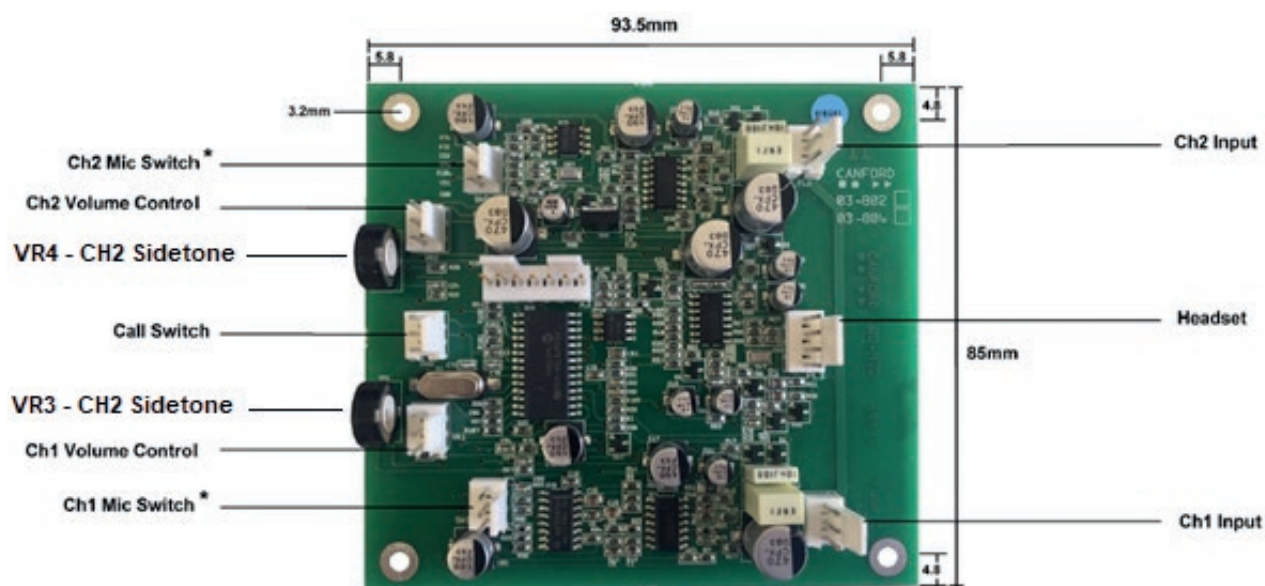
TECPRO HS586

27-586 TECPRO HS586 Fixed headset station, electronics only, dual circuit

DESCRIPTION

This dual circuit, fixed headset station, electronics only, is designed to be fitted into custom equipment.

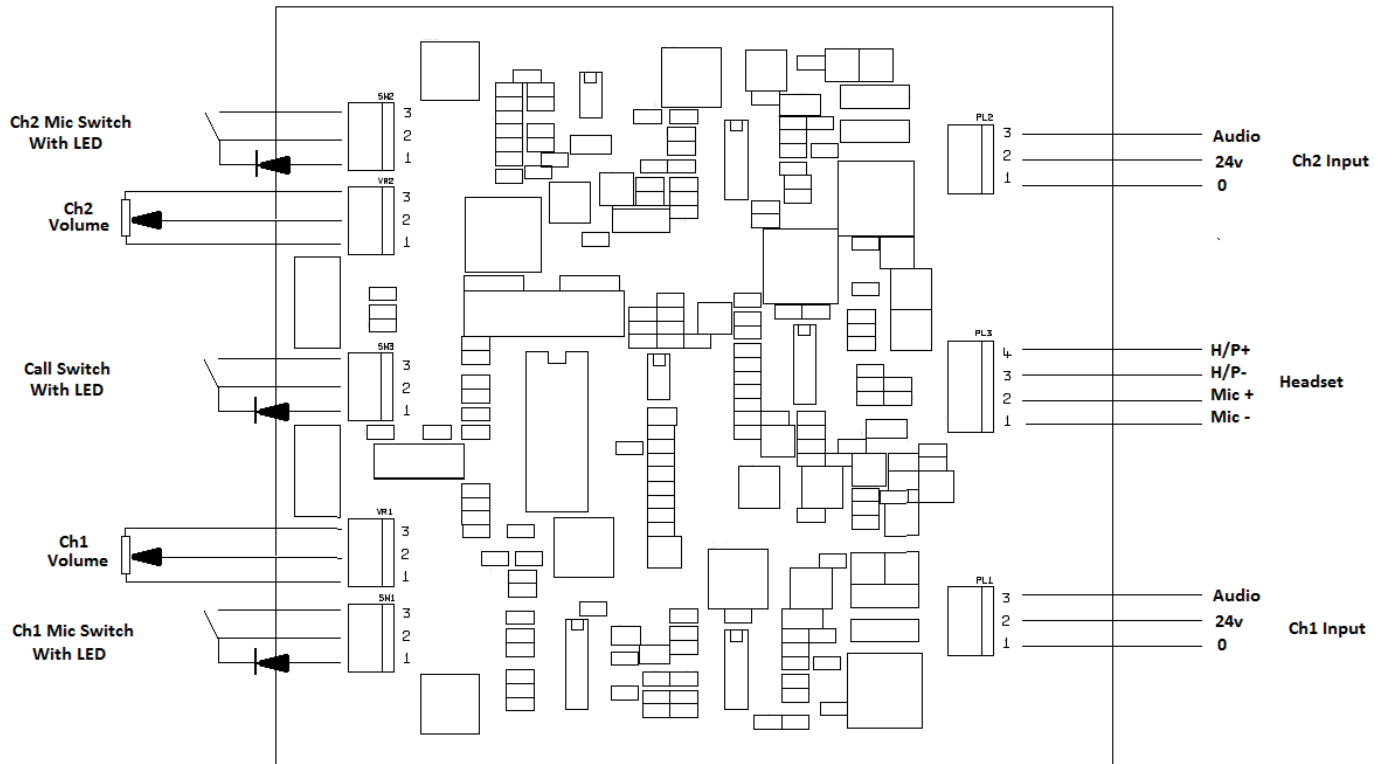
MOUNTING DETAILS



* Mic Switch connectons include led connection for mic status

The retrofit PCB assy is a fully functioning Tecpro 2 Beltpack. It will be available as either a single or dual channel version. Connections will be either molex headers (as shown) or as mini screw terminals and allows manufacturers to add Tecpro comms into their own products such as a Stage Managers Desk

WIRING DETAILS



Headset operation

A Tecpro compatible headset, wired as in diagram 2 (as appropriate), should be connected to the board via a 4 pin XLR male connector. The "MIC" switch activates the headset mic to speak to the system when depressed. The volume control can be adjusted for a comfortable listen level.

Side-tone adjustment

The level of user's voice in the headset is called 'side-tone'. The required level can be set by adjusting the side-tone control VR3 (for channel 1) and VR4 (for channel 2).

Signal light operation

The CALL pushbutton flashes a light in all outstations connected to the circuit. It is used to attract the attention of a user that has the headset removed or volume level turned right down.

ClearCom Compatibility

Tecpro stations are completely compatible with Clear-Com stations. Any Tecpro stations added to Clearcom will function as their Clear-Com equivalents. However, Clear-Com stations have a lower bridging impedance and will degrade a Tecpro system slightly due to a reduction in side-tone stability incurred when a Clear-Com outstation is used in a Tecpro communications system.

Microphone Select

Press the "MIC" button briefly and its associated led will illuminate. This action switches on the mic circuitry and allows the operation of other functions. To switch off the mic circuitry press the "MIC" button briefly again. The associated led will extinguish. Holding the "MIC" button continuously keeps the mic circuitry alive for the duration of the press.

Call send

Ensure that a "MIC" circuit has been selected and that its associated led is illuminated. Press the "CALL" button briefly. This will cause the lamps on all other belt packs on the same circuit to flash for approximately one second. The button will also illuminate. A tone of similar duration will sound in the headphones.

Remote Mic Kill send

Ensure mic circuits have been de-selected.

Depress the "CALL" button briefly three times. It will illuminate for approximately two seconds. During this time, briefly press the "MIC" button to switch off all mics on that circuit.

All settings revert to default when power is removed.

Default settings

1. Call alert tone ON/OFF - ON.
2. Bright or dim LED's - bright.
3. Disable or enable mic - ENABLED.

Circuit Enable/Disable

If no headset is connected, the Mic functions will be disabled. This will prevent immediate feedback if the headset is re-connected with the volume control on maximum but the headset not being worn.

TECHNICAL SPECIFICATION

Power requirements:

Supply voltage:	24 - 30 volts DC
Max current consumption:	40 mA in "Call" mode (all LEDs on)
Headphone output:	8 ohm to 4Kohm headphones
Microphone input:	200 to 600 ohm dynamic microphones

Connectors

Headset - XLR 4 pin male

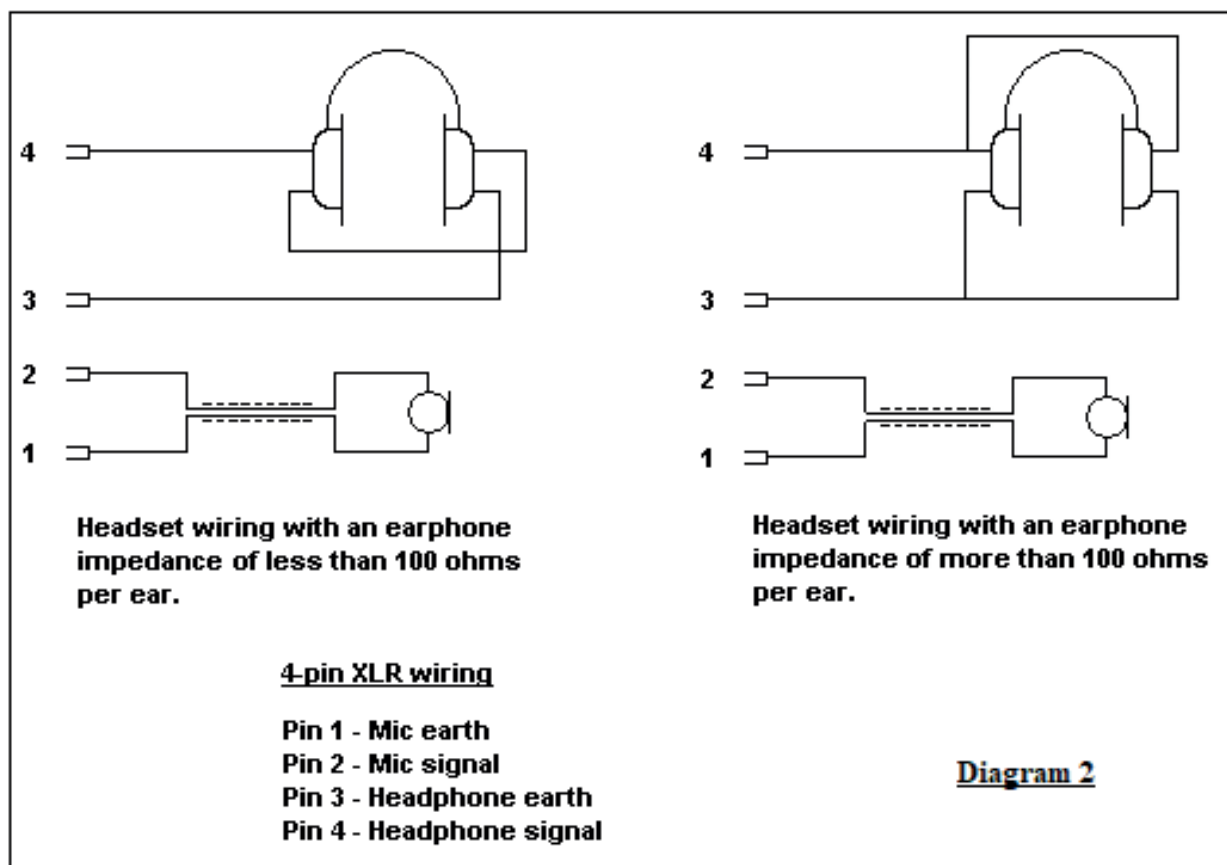
Dimensions:

93.5mm x 85mm

Headset connector wiring:

XLR 4 pin

- Pin 1 Microphone Earth/screen
- Pin 2 Microphone signal
- Pin 3 Earphones Earth/screen
- Pin 4 Earphones signal





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