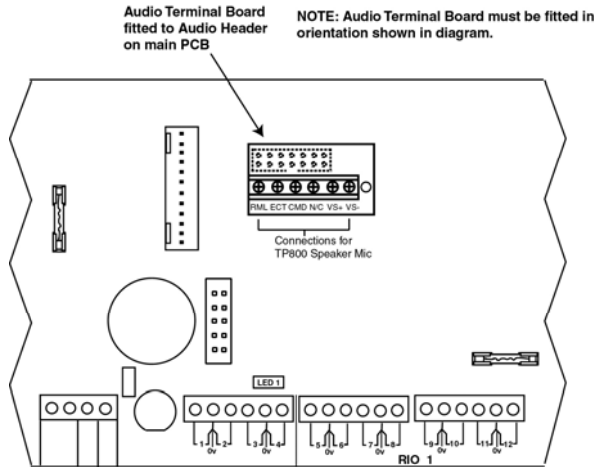


## Galaxy 2 Series Audio Terminal Board

The Galaxy 2 Series Audio Terminal Board is a connector that allows 2-way audio communication (speak and listen) between the panel PCB and the Alarm Receiving Centre. The Audio Terminal Board is connected to a TP800 speaker mic which allows audio communication via the on-board PSTN/Modem or the plug-on GSM module. The Audio Terminal Board is fitted to the main PCB at the location shown in the diagram below.



**Warning:** Make sure that all power is disconnected when working with the Audio Terminal Board.

## Installation Instructions

1. Fit the Audio Terminal Board to the pins of the audio header on the main PCB.
2. Make sure that the orientation of the Audio Terminal Board is the same as the illustration above.

## Wiring

The wires from the Audio Terminal Board to the TP800 speaker mic are as follows:

Audio Header	TP800
ECT	ECOUT
RML	RML
CMD	CMD
NC	NOT USED
VS+	VS+
VS-	VS-

# Operation of 2-Way Audio

## Communication Modes

Two types of audio communication are possible: Listen-in (after alarm) or Dial-in.

### Listen-in

In this mode, the panel will stay on-line for 30 seconds after sending an alarm signal to the ARC to allow the operator to listen to the audio on site. The operation is controlled by the remote DTMF telephone and is as follows:

1. Press the \* then **6** keys to start listen-in.
2. Use the **0** and **1** keys to toggle between listen and talk modes (0 = listen, 1 = talk).
3. To end the call, press the \* then # keys.
4. The call ends with three beeps.

### Dial-in

In this mode, a user can dial into the alarm system from a DTMF telephone and type in a special PIN code (controlled in Menu 42, User 99). This will allow the user to listen to the audio on site, and talk to the site. The operation is controlled by the remote telephone and is as follows:

1. Dial in to either the PSTN number or the GSM audio number.
2. The panel answers after the number of rings set up in Menu 56.1.09.
3. Wait for a long tone then enter the PIN code to start listening.
4. Use the **0** and **1** keys to toggle between listen and talk modes (0 = listen, 1 = talk).
5. To end the call, press the \* then # keys.
6. The call ends with three beeps.

In both modes, if no commands are detected within 2 minutes the call will be timed out and hung up. If the remote user hangs up without using \* and # then it can take up to 2 minutes before the call times out at the panel end.

