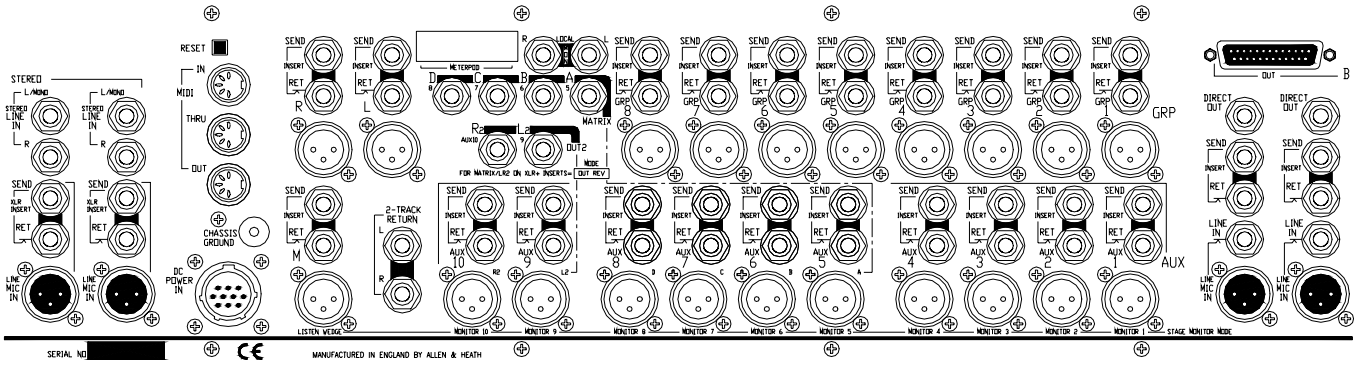


# CONNECTORS

Professional gold plated connector types are used to ensure continued reliable operation. All the console main inputs and outputs are balanced XLRs. All 1/4" jacks are 3-pole TRS for operation with balanced or unbalanced equipment. Inserts are provided on all channel inputs, and on Groups, L, R, Mono and all Aux outputs. Aux can be swapped with matrix and LR2 for XLR outputs with inserts



## DIRECT OUTPUT

Provides a buffered signal from the channel, ideal for minimum signal path connection to multitrack recorders or local effects sends. Set post-fader, post-mute as standard. Can be switched through the Aux10 send control for pre/post fader selection and level trim with +6dB maximum boost.

3-pole 1/4" jack socket (tip = hot). Impedance balanced 50 ohm 0dBu line level for connection to balanced or unbalanced equipment.

## INSERT SEND

Used to send the channel signal to external effects and signal processing equipment, post-pre-amp and pre-EQ.

3-pole 1/4" jack socket (tip = hot). Impedance balanced 0dBu 50ohm line level.

## INSERT RETURN

Used to return the processed signal from external equipment into the channel audio signal path pre-EQ.

3-pole 1/4" jack socket (tip = hot). Balanced >10kohm 0dBu line level. (Stereo channel returns are unbalanced).

## MIC/LINE INPUT

3-pin female XLR (pin 2 = hot). Electronically balanced. 74dB gain range. Mic impedance >2kohm, line >10kohm

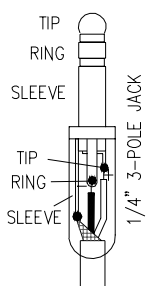
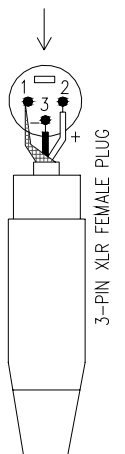
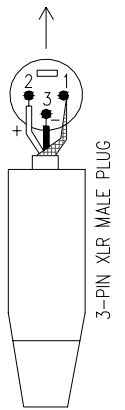
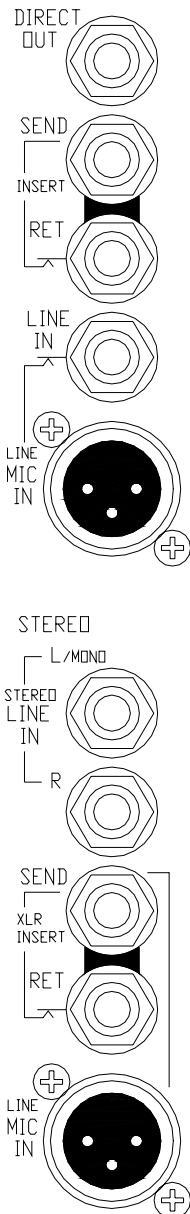
Can be used for XLR line input when the LINE IN jack is left unplugged.

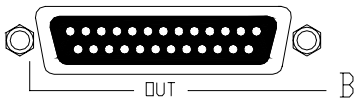
## MONO CHANNEL LINE INPUT

3-pole 1/4" jack socket (tip = hot). Electronically balanced >10kohm.

## STEREO CHANNEL LINE INPUT

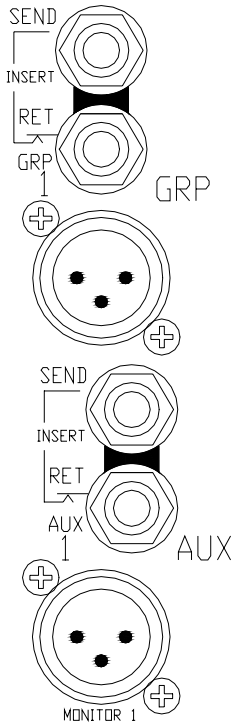
3-pole 1/4" jack socket (tip = hot). Electronically balanced >10kohm. Plug into the Left input only for a mono line source.





## SYS-LINK EXPANDER OPTION

Available as a kit to be fitted to the console to expand the buses. Uses 4 25-pin D-type connectors (input and output A and B). Operates at -2dBu line level. Refer to your Allen & Heath agent for further details.



## GROUP/Aux/L/R/M INSERT SEND

Used to send the output signal to external effects and signal processing equipment such as graphic equalisers, delays and compressors, post-mix amp and pre-fader.

3-pole 1/4" jack socket (tip = hot).  
Impedance balanced -2dBu 50ohm line level.

## GROUP/Aux/L/R/M INSERT RETURN

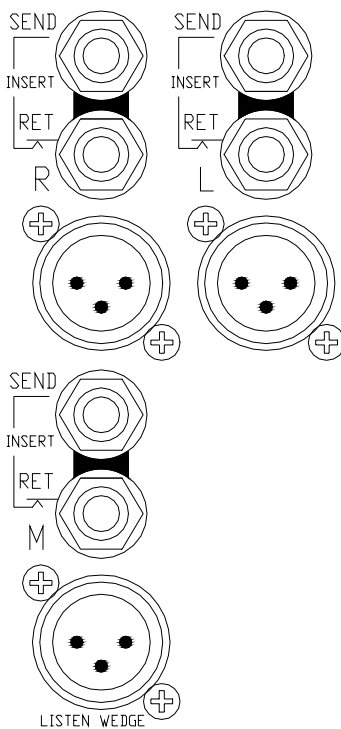
Used to return the processed signal from external equipment into the output audio signal path pre-fader and mix meter.

3-pole 1/4" jack socket (tip = hot). Balanced >10kohm -2dBu line level.

## GROUP/Aux/L/R/M MAIN OUTPUT


3-pin male XLR (pin 2 = hot). Electronically balanced 75ohm. +4dBu line level, +27dBu maximum into 600 ohm load.


Capable of driving long cable runs without loss or interference.




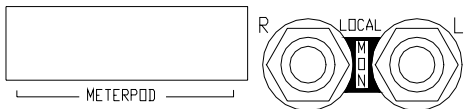
## MODE SWITCHING

Set the underpanel mode switches for the intended console operation. Some of these affect the way the connectors work. For full details please refer to the BLOCK DIAGRAM.

 **OUT REV** underpanel mode switch - The Aux XLRs and inserts can swap with the Matrix and LR2 output jacks for aux (effects) sends on jacks if required. This also provides matrix and LR2 outputs on XLRs with inserts for driving speaker systems.

 **MONO MODE** underpanel mode switch - The Mono output becomes the engineers listen wedge monitor feed when the console is operated in on-stage monitor mode. However, the Mono insert remains with the mono mix.

 **MIX/AUX REV** underpanel mode switch - Note that while the front panel control sections are swapped when the reverse mode switches are pressed, the signals always appear at their related connectors, ie. the connectors do not swap.



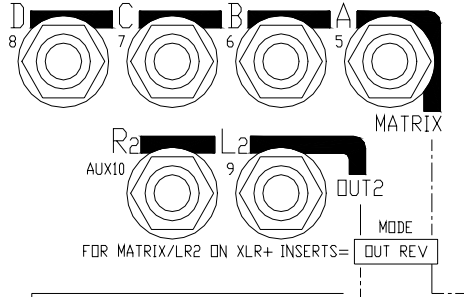
## METERPOD CONNECTOR

Recessed 16-pin dual row header for connection to the meterpod.

## LOCAL STEREO MONITOR

For connection to a stereo amplifier/speaker system for LR, AFL/PFL monitoring local to the console.

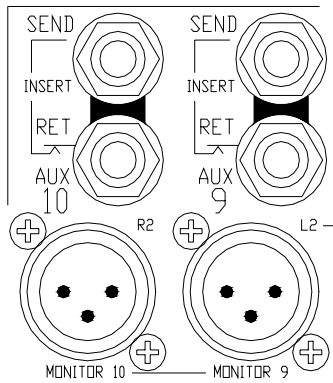
3-pole 1/4" jack sockets (tip = hot). Impedance matched 50ohm 0dBu nominal line level.



## HEADPHONES

Connections for 2 stereo headphones >8ohms. One connector is on the front panel, the other is concealed under the armrest.

3-pole 1/4" jack sockets (tip = left, ring = right).



## MATRIX OUTPUT

3-pole 1/4" jack socket (tip = hot). Impedance balanced 50ohm 0dBu nominal line level.

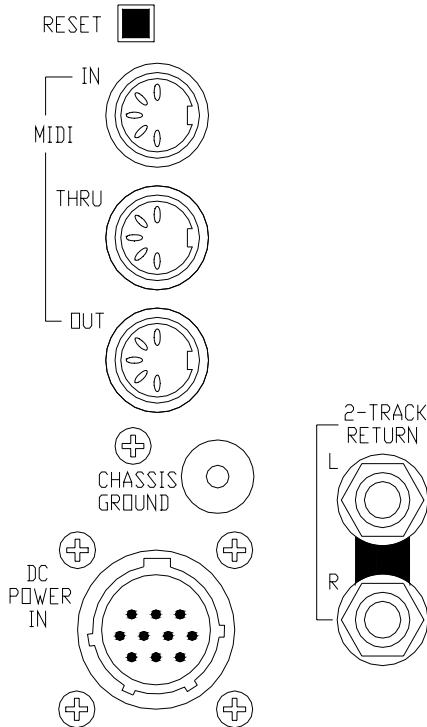
Can swap with the aux output XLRs and inserts to drive long cable runs without loss or interference, and to insert external signal processing devices such as graphic equalisers and delays.

## LR2 OUTPUT

Secondary LR output for 2-track recording, broadcast or additional speaker and zone feeds.

3-pole 1/4" jack socket (tip = hot). Impedance balanced 50ohm 0dBu nominal line level.

Can swap with the aux output XLRs and inserts to drive long cable runs without loss or interference, and to insert external signal processing devices such as graphic equalisers and delays.



## 2-TRACK RETURN INPUT

For connection to 2-track playback equipment such as cassette, DAT or CD players.

3-pole 1/4" jack sockets (tip = signal). Unbalanced 50ohm. +10dB maximum gain allows connection to low and high level equipment.

## MIDI INTERFACE

Standard 5-pin 180° connectors for opto-isolated connection to other MIDI equipment. A mute processor reset switch is provided.

## CONSOLE DC POWER INPUT

The console connects to a separate power supply unit via a 10-pin circular connector cable. Connect only the Allen & Heath power unit supplied with the console.

A chassis ground terminal post is provided. This connects to mains earth through the power cable.