

ALLEN & HEATH

GL4000

MIXING CONSOLE

THE BENEFITS OF USING SYS-LINK

The **GL4000** SYS-LINK option allows console to console interconnection by means of just one or two cables. By connecting two **GL4000** consoles together the number of input channels may be increased. One console acts as a channel expander (slave) to the second (master). Up to 3 consoles may be 'daisy-chained' in this way. The system is also directly compatible with other A&H consoles fitted with **SYS-LINK**.

Plugging consoles together using **SYS-LINK** connects the signals directly to the console busses so avoiding the use of the main console outputs and channel inputs for the master / slave connection. All the console channels are available to the user for input sources.

SYS-LINK CONNECTIONS

SYS-LINK connects all the console main busses including L, R, Mono, 8 Groups, 10 Aux sends, and 4 matrices. The PFL & AFL systems are also interconnected such that operating PFL or AFL on the slave console activates the master console monitor system. Operating PFL or AFL on the master does not activate the slave monitor system which may be used for 'local' monitoring if required. **SYS-LINK** connects the PFL & AFL audio mix and DC control buss. **SYS-LINK** outputs are taken **pre-fader** so that the slave console output connectors may be used for sub-mix or 'zone' feeds if required. All output signals are unbalanced, low impedance and operate at a line level of -2dBu to prevent problems with audio interference and to maintain a headroom of 23dB.

SYS-LINK inputs are unbalanced, operate line level at -2dBu and are high impedance to prevent loading the connected source.

SYS-LINK is presented on two pairs of 25way female D-type connectors, one for the console buss inputs and the other for the outputs. Several pins are provided for audio 0V earth.

USING SYS-LINK

Connect consoles using two standard 25way male to male D-type cables, available from electronic suppliers or computer shops (25line male to male). It is advised that this cable is a screened type if longer than 1 metre, no longer than 10 metres in total, and that professional quality locking connectors are used. Connect all pins one to one with the screen to 0V.

Connect the slave console **SYS-LINK** output to the master console **SYS-LINK** input.

SYS-LINK may also be used to connect the **GL4000** to other audio equipment. Make sure that all unused inputs (except the PFL & AFL DC inputs) are linked to 0V earth at the **SYS-LINK** input to prevent audible interference from connected audio signals. Connect line level signals of around -2dBu. The **GL4000** PFL & AFL systems may be activated by switching the PFL or AFL DC inputs to 0V earth through a 15k ohm resistor.

For information on fitting **SYS-LINK** please refer to FITTING INSTRUCTIONS AP2786

SYS-LINK APPLICATIONS NOTE

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