

GL 3300



The **GL3300** is the perfect mid-sized mixer package. A versatile, multi-purpose console, equipped to mix front of house and stage monitors, that can be enhanced with optional stereo channels.

This 8 group, 8 aux, 4 mute group, 2 matrix console has the ideal balance of features for live sound mixing. The intuitive control layout and flexibility make it a popular choice for PA companies, theatres, music venues and houses of worship alike. This console presents the complete professional package, which can be expanded in 8 channel blocks as your requirements grow.

TOP FEATURES

Dual Functionality

A great show requires great performers and a great sound system working together. The sound must be perfect for the audience and the performers. The tools are here; a dual function console that effortlessly combines both FOH and Monitor functions.

As a FOH console, the **GL3300** has up to 40 channels in a single frame - of which up to 8 can be stereo dual mic inputs - 8 groups, 8 aux sends, Left, Right, Mono sum, and matrix outputs.

Monitor

As a Monitor console, the **GL3300** provides the same input capability, but with 8 independently controllable mixes and a stereo stage mix. Every monitor output has balanced XLR connector, insert point, 100mm fader, metering, AFL and talkback. And to keep the engineer in control, the Mono output supplies the engineer's wedge with AFL overridden by PFL.

The true flexibility of the system can be realised in Dual Mode, where both FOH and Monitor duties can be handled from the same console for those occasions when a single engineer is required to serve both the audience and the performers.

Stereo Inputs

The demand for more input channels these days seems never ending. To give you maximum flexibility, as well as the two Stereo Returns in the master section, several configurations with stereo input channels are available. The stereo channels have mic and line capability as well as 4 band EQ and access to all busses. The dual preamps, with mono select switches for left and right, help deal with those unexpected input demands and make running sound effects from a single track of a stereo tape easy, without the need for any external patching.

Mute Groups

Mute groups help provide that 'extra pair of hands' when a lot of changes are required simultaneously. The system can be used to quickly mute multiple channels. The input channels can be assigned to any combination of the 4 mute groups using the assignment switches on the channel. The mute group master buttons are located beside the main mix faders and allow a group of inputs to be muted or un-muted by a single button press.

Matrix

To help manage the ever increasing demands for different output mixes for FX, zone and delay speakers, additional monitor mixes, recording, video and broadcast, etc., the **GL3300** has two matrix outputs, 'A', and 'B', each of which can be fed from the 8 groups, left, right, and the stereo returns. They feature 60mm faders with AFL for precise control of these important outputs.

Sound Quality

Crystal clear sound under tight control with the transparent mic preamp and precise 'British' EQ provides the ideal ingredients for any sound system. The direct outputs from each channel combine with the groups to ensure this console is equally at home in the recording studio.

Engineer's Toolbox

The master section is clearly laid out and provides all the essential control and monitoring facilities needed. Metering, is provided for the groups and the main LR output. The extensive PFL/AFL system allows signal quality checking and metering while the Talkback section allows the engineer to talk to the aux outputs, giving full communication with the performers in Monitor mode. A 2-track send and return section is included for simple recording and Music playback. Aux masters with AFL, Mono output with wedge mode, pan and routing from groups to LR, and a lamp socket, complete the line-up.

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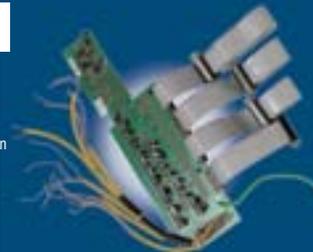


FEATURES at a glance

- DUAL FUNCTIONALITY** mode switching front of house and/or stage monitor mixing
- FRAMES** 16, 24, 32 or 40 channels with bolt-on expansion up to 40 channels
- DUAL STEREO CHANNELS** available in zero, 4 or 8 stereo channels in a choice of positions; dual stereo mic or line input, 4 band EQ and mic or line source on either XLR or TRS
- 8 AUDIO GROUPS** with panned subgrouping to LR, XLR outputs (groups 5-8) and full LED and VU metering in integral meterbridge. A group output option is available to access all 8 groups (see opposite)
- 8 AUXILIARY SENDS** inserts on all mixes, switchable pre/post fade
- 12x2 MATRIX** fed from the groups and LR busses and stereo returns
- 4 MUTE GROUPS** selected by switches on input channels; master mutes controlled by illuminated buttons
- EQ** 4 band with separate controls for sweep and cut/boost on mid bands with switchable HPF at 100Hz
- OUTPUTS & INSERTS** balance outputs with gold plated XLR connectors, TRS inserts
- TALKBACK** push to talk to any of the 8 auxes
- DIRECT OUTPUTS** every mono channel has a direct output on TRS for recording or dedicated FX
- ENGINEER'S TOOLBOX** there are headphone and wedge monitor controls; the 12-segment bar meter follows the PAFL system. 2-track record/monitor/replay facility, and independent talkback
- LAMP SOCKET** BNC connector located on master section
- CONFIGURATION OPTIONS** internal solder link options to configure pre-fade auxes, direct outputs, mono sum source and TB mic 48V. Electronic balance option for matrix outputs

SYS-LINK option

The GL3300-SL Sys-Link V1 option allows the GL3300 console to be easily linked to other Sys-Link capable Allen & Heath consoles to expand the number of channels in the mix. Fitting requires the removal of connector blanking plates and the installation of two internal circuit cards



DUST COVER

A nylon cover that comes in various sizes, tailored to fit the GL3300's differing frame dimensions



POWER SUPPLY

The RPS11 is a rugged linear 300W 3U rack-mount power supply with DC cable. A second RPS11 can be connected through the RPSD2 Auto-Switching PSU, which monitors the console's power supply and allows silent switching between the two supplies

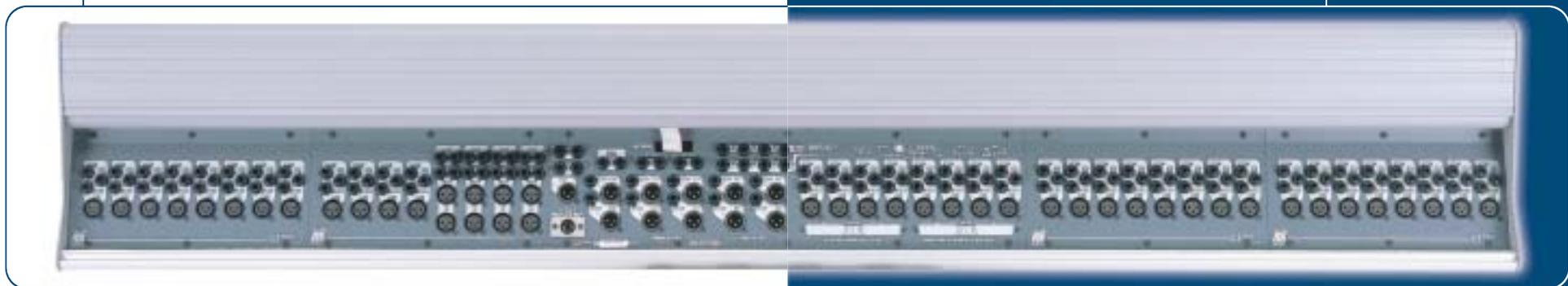


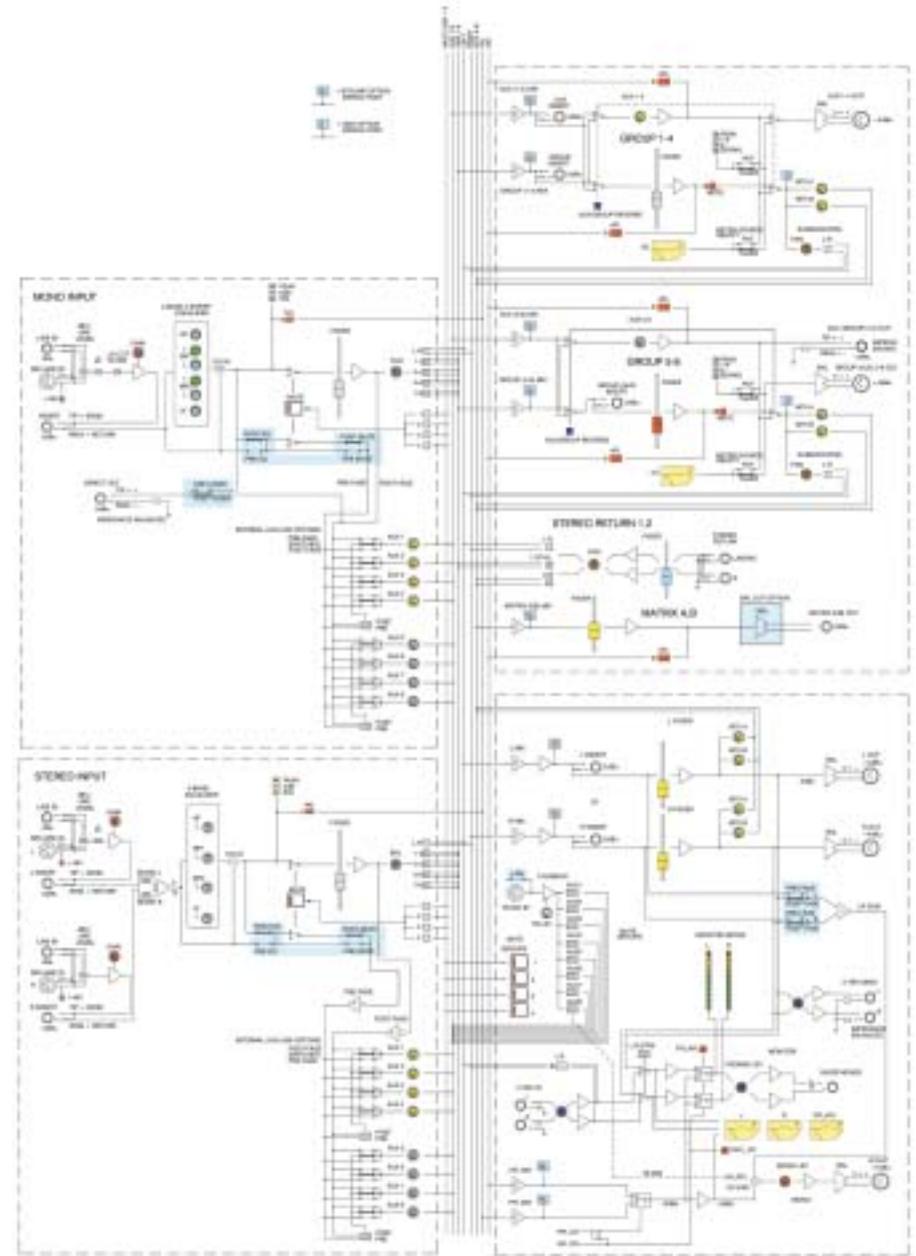
GROUP OUTPUT

The 8GD option enables access to all 8 group outputs from a single 25 way D type connector

EXPANDER

GL3300 expander options are designed to attach to either side of the GL3300 console depending on console format. The expander modules allow a GL3300 to be expanded up to a maximum of 40 channels and are available with 8 mono, 4 stereo/4 mono or 8 stereo channels





GL3300
System Block Diagram