

12 buss live sound console



We built **GL2200** to be a 'go anywhere, do anything' desk. With its sturdy vertical PCB construction, dual front-of-house / monitor mixing mode switching, 4 groups, 6 switchable auxes, direct outs, line-up oscillator, talkback and more, this console can handle pretty much any live mixing or recording task you can throw at it. We're thrilled that **GL2200** has become the leading mixer in its class and that it's used and loved by so many rental companies, bands and churches who need great sound with no fuss.

FEATURES:

- Dual Functionality** → GRP/Aux Mode switches **reverse** aux master section with the group & LR faders giving up to **6 monitor sends** with inserts on 100mm faders. Another under panel switch converts the Mono **control** and **XLR** output to an engineer's **listen wedge** output
- Frames Available** → **12, 16, 24, 32 mono channels** available. All include 2 stereo mic/line channels and 2 stereo returns
- 4 Audio Groups** → Assignable from paired routing buttons and pan from channel. Groups access LR busses via a pan control and have XLR outputs and inserts in GRP mode
- 6 Auxiliary Sends** → **6 auxiliaries**, switchable pre/post fade in blocks: 1-4, 5-6. Aux masters are rotary controls with AFL and can feed XLR outputs with inserts when the GRP/Aux reverse switches are pressed
- 4 Band EQ plus HPF** → **Separate** controls for **sweep & cut/boost** on mid bands. **HPF @ 100Hz** is switchable
- Stereo Channels** → The **GL2200** has 2 stereo input channels as standard. Mic or line source on either **XLR** or 2 **TRS** jacks with separate gain for each section. A **line to L-R** feature allows both sources to be used at the same time. The channel has a **4 band EQ**
- 2 Stereo Returns** → [TRS] line inputs. **60mm** fader control with **pan** & routing to group plus L&R. A 2 band EQ provides HF & LF control. Aux sends 1 & 2 are available for returning playback / FX to the monitors. Mute and PFL are included
- Engineer's Toolbox** → **Headphone** and **wedge** monitor controls. **4 segment led meters** on input channels and GRP/Aux masters. **12 segment bar meter** on L & R follows the PAFL system. Channels have **direct outs** [TRS] for recording. **2 track** record / monitoring / replay. **Talkback**, with trim, possible to **auxes, groups** and **L-R**. Mic input with +48V is available on last stereo input channel for TB. An **oscillator** and **pink noise generator** are provided for line-up and speaker testing
- Lamp** → A BNC lamp socket is provided
- PSU** → High performance internal switched-mode power supply. Universal mains input voltage. Built in combiner to add external RPS11 backup power supply
- Configuration Options** → **Internal links configure:** individual aux sends as pre/post fader & pre EQ. Isolate pre-fade aux from channel mute. Pre-fade direct out

GL 2200



Technical Specifications

0 dBu = 0.775 Volts rms

Frequency Response Referred to 1kHz @ +4dBu

Line in to L-R out, 0dB gain	20Hz to 50kHz +0/-1dB
Mic in to L-R out, 40dB gain	20Hz to 50kHz +0/-1dB

Distortion THD + noise @ +14dBu, 1kHz output

Mic in to L-R out, 40 dB gain	0.010%
Line in to L-R out, 0dB gain	0.008%

Crosstalk Referred to driven channel @ 1kHz

Referred to driven channel @ 1kHz	
Adjacent channel	< - 94dB
Fader closed	< - 90dB
Mute on	< - 90dB
Pan pot isolation	< - 80 dB

C.M.R.R. Common mode rejection @ 1kHz

Mic in (+40dB)	>70dB
----------------	-------

Noise Performance Measured rms 22kHz Bandwidth

Measured rms, 22kHz bandwidth	
Mic in EIN (150 ohm source)	< - 128dB
Line preamp, 0dB gain	< - 90dBu
L-R residual noise	< - 94dBu 98dB s/n
L-R faders '0', nil routed	< - 90dBu, 94dB s/n
L-R mix noise (16 channels routed)	< - 84dBu 88dB s/n
Group mix noise, faders '0', nil routed	< - 91dBu 95dB s/n
Group mix noise (16 channels routed)	< - 84 dBu 88dB s/n

Metering

Input meters	4 segment led (signal, 0, +6, peak)
Mix meters	4 segment led (signal, 0, +6, peak)
Output meters	12 segment led
Led meter response	Peak reading
Peak indicators	On 5dB before clipping
Signal indicators	on -20dBu
Integral VU meterbridge	illuminated VU moving coil meters

Accessories

Sys-Link™

GL2200-SL Sys-Link™ expander option.

External Power Supply

An external DC supply may be used instead of or together with the internal supply. In the absence of an active 100 to 240V AC mains supply being present, GL2200 will automatically switch over to the external DC supply input.

Balanced Output

A set of balanced output driver chips to balance the aux sends and mono output

Mechanical specifications

	Width (mm)	Depth (mm)	Height (mm)	Weight (kg)
GL2200-412	548 (21.6")	572 (22.5")	155 (6.1")	16 (35lb)
GL2200-416	668 (26.3")	572	155	18 (40lb)
GL2200-424	920 (36.2")	572	155	24 (53lb)
GL2200-432	1160 (45.7")	572	155	30 (66lb)



Connections

Inputs

Mic inputs	XLR	Female, balanced, pin 2 hot, 3 cold	2k ohms	-10dBu to -60dBu
Line inputs	TRS jack	Balanced, tip hot, ring cold	10k ohms	+10dBu to -40dBu
	XLR	Mono - female, balanced, pin 2 hot	10k ohms	+10dBu to -40dBu
Stereo line input	TRS	Unbalanced, tip hot	8k ohms	off to -20dBu
2-track return	TRS jack	Unbalanced	20k ohms	-10dBV min
Stereo return	TRS	Unbalanced, tip hot	10k ohms	0dBu min

Outputs

LR outputs	XLR	Balanced, 2 hot 3 cold	<75 ohm	+4dBu, +27dBu max
Direct outs	TRS jack	Balanced, tip hot	<75 ohm	0dBu,
2 track send	TRS jack	Ground compensated	<75 ohm	0dBu, +21dBu max
Aux 1-6 outs	XLR	Male, balanced, tip hot	<75 ohm	+4dBu, +27dBu max
Group outs	XLR	Balanced, 2 hot 3 cold	<75 ohm	+4dBu, +27dBu max
Mono output	XLR	Balanced	<75 ohm	+4dBu, +27dBu max
Monitor output	TRS	Unbalanced tip L, ring R		0dBu, +21dBu max

block diagrams, user guides, flightcase drawings, applications guides & more:

www.allen-heath.com/GL2200.asp