



**GRAHAM BLYTH**

In the year of our 30th anniversary, Soundcraft co-founder and Technical Director Graham Blyth has taken a well established and classic Soundcraft microphone preamplifier to a new level of performance, resulting in the new GB30 preamp which boasts extraordinary clarity with exceptionally controlled overload characteristics.

Soundcraft's legendary 4-band EQ has also been improved further with the addition of elements derived from Soundcraft's highly successful MH Series consoles. This new design delivers the sound of the classic 'British EQ' enhanced even further with more focused HF and LF shelving sections.



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This equipment complies with the EMC Directive 89/336/EEC

Part No: ZL0627-03



H A Harman International Company

**TYPICAL SPECIFICATIONS**

Frequency Response	Mic/Line Input to any output, 20Hz - 20kHz	<1dB
THD + N	Mic sens. -30dBu, +20dBu at all outputs @1kHz	<0.006%
Noise	Measured RMS, 22Hz to 22kHz Bandwidth	
	Mic E.I.N. @ unity gain, 150Ω source impedance	-128dBu
	Mix Output, 40 inputs routed to mix	<-82dBu
	Group & Centre Outputs	<-83dBu
	Aux Outputs (GB2 Groups only)	<-80dBu
Matrix Outputs	<-89dBu	
Crosstalk (@1kHz, typical)	Input Channel Mute	<-97dB
	Input Fader cut-off	<-95dB
	Pan isolation	<-75dB
	Mix route isolation	<-97dB
	Group route isolation	<-97dB
	Adjacent channel crosstalk	<-99dB
	Group to Mix	<-84dB
	Aux Send pots offness (typical)	<-84dB
	Matrix Send pots offness (typical)	<-84dB
	CMRR	Typical @ 1kHz
Input & Output Max Levels	Mono & Stereo Mic Inputs	+15dBu
	Mono & Stereo Line Inputs	+30dBu
	Stereo Returns & Insert Returns	+20dBu
	Any output	+20dBu
	Nominal Operating Level	0dBu
	Headphone Power	2 x 250mW into 200Ω
Input & Output Impedances	Mic Inputs	2kΩ
	Line Inputs and Stereo Returns	10kΩ
	Input channels Insert Return	5kΩ with EQ in, otherwise 3kΩ
	Mix, Group, Aux, Matrix & Direct outputs	150Ω
	Insert sends	75Ω
	Recommended Headphone Impedance	100 - 600Ω
High pass filter (Mono input)		100Hz, 18dB per octave
EQ (Mono input)	HF	13kHz, +/-15dB, 2nd order shelving
	Hi-Mid	550Hz-13kHz, +/-15dB, Q=1.5
	Lo-Mid	80Hz-1.9kHz, +/-15dB, Q=1.5
	LF	80Hz, +/-15dB, 2nd order shelving
Metering	Input channels (GB4/GB8)	Single tri-colour 4-segment LED bargraph
	Outputs (GB4)	7 tri-colour 12-segment LED bargraphs
	Outputs (GB8)	11 tri-colour 12-segment LED bargraphs, + Meterpod with 3 VU meters (L/R/C)
Outputs (GB2)	2 tri-coloured 12-segment LED bargraphs, (indicates monitor source level)	
Power consumption	AC mains supply (internal PSU) 85V-270V AC, 50/60Hz universal input	
	Power consumption	Less than 150W
Operating conditions	Temperature range	-10°C to +30°C
	Relative humidity	0% to 80%

Note: These figures are typical of performance in a normal electromagnetic environment and are often exceeded. Performance may be degraded in severe conditions. All measurements refer to electronically balanced inputs and outputs.



**GB2K2**  
**GB4K2**  
**GB8K2**

4-BUS & 8-BUS  
PROFESSIONAL  
MIXING CONSOLES



# DUAL-MODE TOPOLOGY, STRAIGHT FROM THE SOUNDCRAFT MH SERIES

# GB4K2



With dual-mode topology derived from Soundcraft's acclaimed MH Series, the GB8 and GB4 consoles provide ideal live sound mixing solutions for medium-sized venues including clubs, theatres and houses of worship. With a single button press on the GB4 (4-bus), any of the first four Aux master controls can be swapped with the respectively numbered Group fader, providing the flexibility to work at FOH, Monitors, or perform both duties simultaneously.

The GB4 has L/C/R and eight Aux busses in addition to its four groups and, like the GB8, there are four mute groups and an output matrix for creating zoned mixes.

Like all GB series mixers, the GB4 uses GB30 mic preamps which use local linearisation techniques rather than global feedback to deliver an extremely open frequency response and excellent phase linearity. The GB30 EQ borrows the innovative designs developed for the Soundcraft MH4 console, providing GB users with the benefits

of genuine high-end equalisation. And thanks to a meticulous 'ground-up' approach to circuit and mechanical design, the GB Series exhibits class-leading noise performance and channel isolation figures.

When it comes to recording a performance, the GB4 & GB8 are similarly well equipped with pre-/post-fader switchable direct outputs on every channel and a high-quality limiter on dedicated record outputs fed from the L-R mix bus.

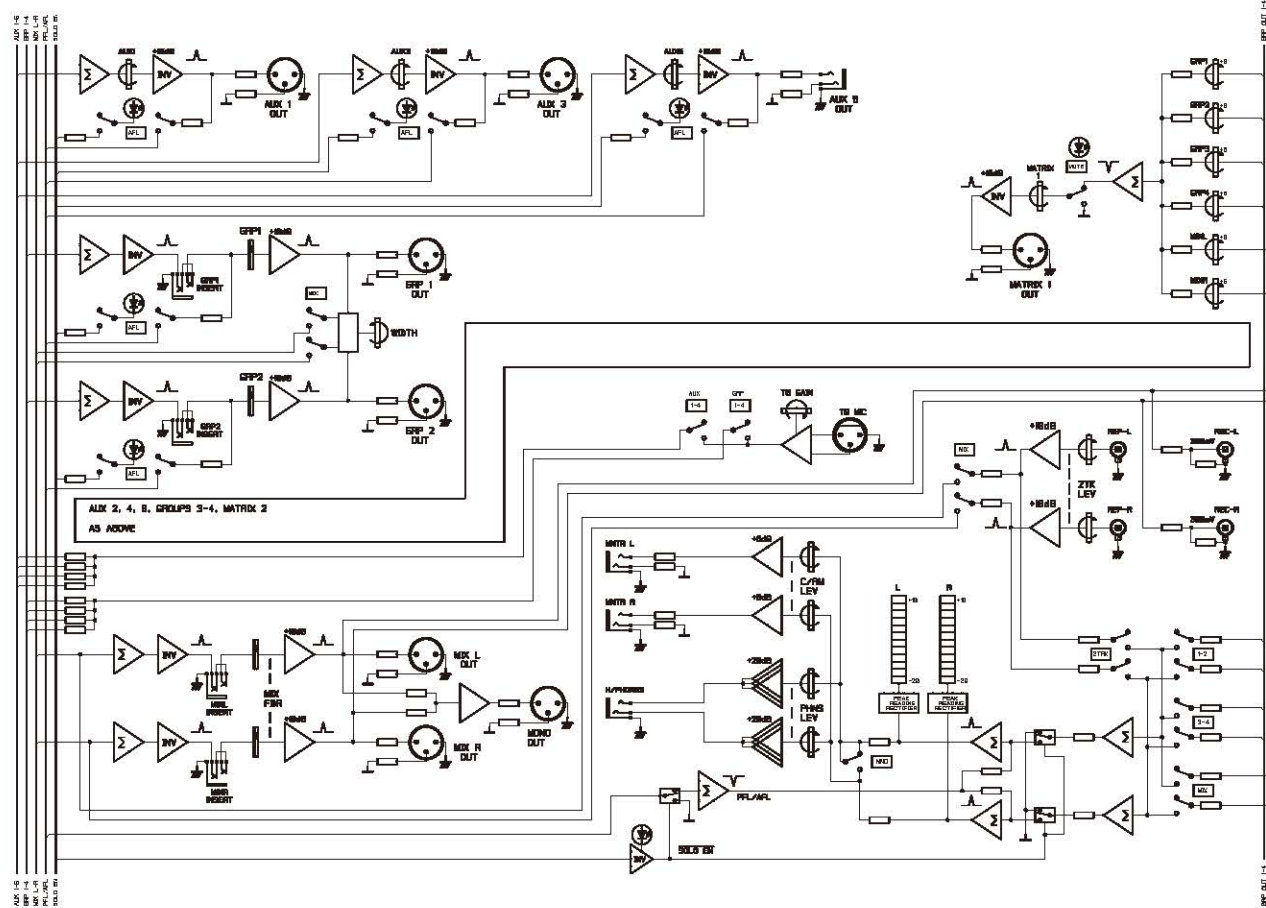
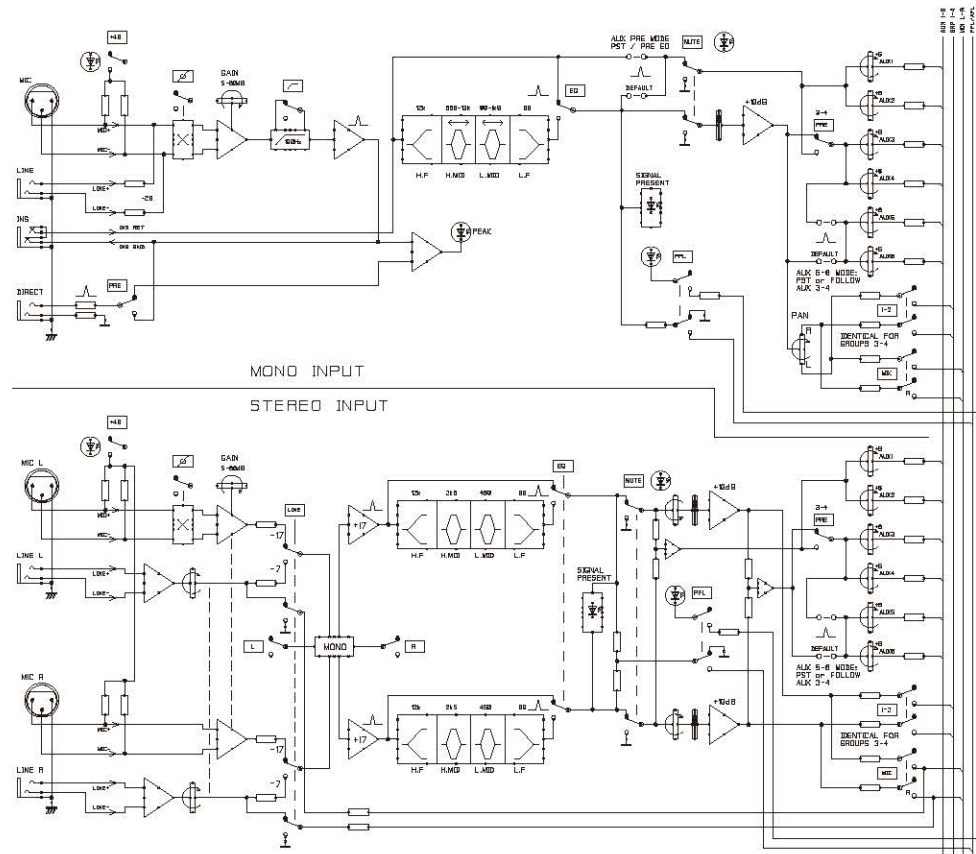
#### GB4 K2 FEATURES:

- 12, 16, 24, 32 and 40 channel frame sizes
- 15 busses
- 2 full feature stereo channels
- 2 stereo returns
- 8 Aux sends (4 are pre/post switchable)
- 4 sub groups (SWAP with Auxes 1-4)
- 7x4 output matrix
- Record output with limiter
- GB30 mic preamp and precision equalisation circuitry
- Direct outputs on every channel
- Talkback facility

- 100mm faders
- Switchable 48V phantom powering on every channel
- 18dB/octave high pass filter
- 4 mute groups
- 12-segment LED metering

Dedicated record outputs with a high-quality limiter are fed from the L-R mix bus.





## OVERHEAD VIEW



NB: GB8 32 channel model shown. GB4 and GB2 Channel and Outputs & Master section differences are highlighted in the preceding pages.

## REAR PANEL CONNECTIONS



NB: GB8 32 channel model shown.

## DIMENSIONS & WEIGHTS

### GB8 K2

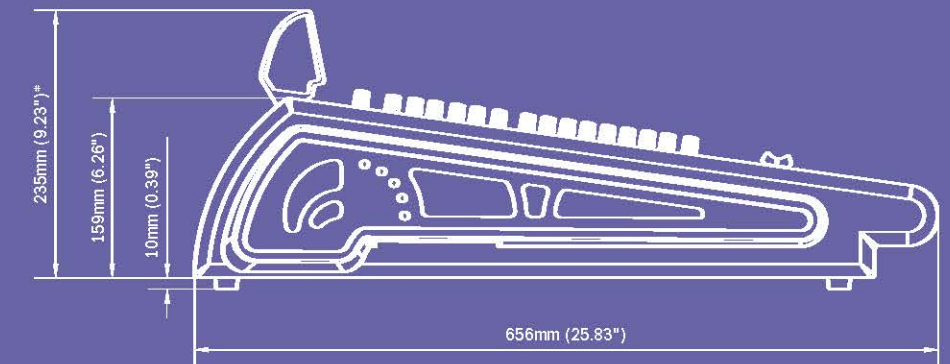
Frame Size	Width	Weight
16 Ch	984mm (38.74")	25kg (55.1lbs)
24 Ch	1208mm (47.56")	30kg (66.1lbs)
32 Ch	1442mm (56.77")	35kg (77.2lbs)
40 Ch	1666mm (65.59")	40kg (88.2lbs)
48 Ch	1889mm (74.37")	45kg (99.2lbs)

### GB4 K2

Frame Size	Width	Weight
12 Ch	730mm (28.73")	20kg (44.1lbs)
16 Ch	842mm (33.13")	22kg (48.5lbs)
24 Ch	1065mm (41.93")	27kg (59.5lbs)
32 Ch	1300mm (51.17")	32kg (70.5lbs)
40 Ch	1523mm (59.96")	37kg (81.6lbs)

### GB2 K2

Frame Size	Width	Weight
16 Ch	790mm (31.10")	22kg (48.5lbs)
24 Ch	1013mm (39.88")	25kg (55.1lbs)
32 Ch	1247mm (49.09")	30kg (66.1lbs)



\*NB The Meterpod is only available on the GB8