



**GB2**  
**GB4**  
**GB8**



### 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	80dB
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.



**GB2**  
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4-BUS & 8-BUS  
 PROFESSIONAL  
 MIXING CONSOLES



# THE FULLY PROFESSIONAL LIVE SOUND CONSOLE YOU THOUGHT YOU COULDN'T AFFORD

**GB8**  
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Drawing on 30 years of Soundcraft experience, GB Series consoles set new standards in professional live sound mixing on a budget. The GB8 (8-bus) console is packed with the features you need to create a memorable FOH and monitor mix, combining totally re-engineered circuit topology with our ground-breaking GB30 mic preamp and EQ designs to deliver a sonic performance rivalling many high-price, high-end consoles.

The GB8 has plenty of bus power for sophisticated mixing applications. All eight Aux master controls can be swapped with eight Groups, and all Auxes are pre/post switchable globally per Aux bus from the Master Section. In addition to the eight Groups, the GB8 has L/C/R and eight Aux busses. Four mute groups provide quick and easy muting of groups of channels, ideal for scene changes or where groups of instruments need to be silenced. And the output matrix is

essential when different zones in a venue require specifically tailored mixes, enabling the operator to create sub-mixes of the Group, L-R mix and C (mono) busses. Unlike other mixers in their class, GB Series consoles are built to last with a rigid steel chassis, high quality vertically mounted fibreglass PCB channel strips and individually nitted potentiometers ensuring reliability in both fixed installations and on the road.

And because Soundcraft understands the way that live sound engineers work, you'll find an intuitive control surface and a conveniently angled rear connector panel, so you can do all your patching without ever leaving the mix position.

#### GB8 FEATURES:

- 16, 24, 32, 40 and 48 channel frame sizes
- 19 busses
- 4 full feature stereo channels
- 4 stereo returns
- 8 Aux sends (all are pre/post switchable)
- 8 sub groups (SWAP with all 8 Auxes)
- 11x4 output matrix
- Record output with limiter
- Alternate stereo output with limiter
- 1kHz oscillator
- Meterpod with 3 high definition LED VU meters (L/C/R)

- Internal jumpers switch pre-fade Aux sends to pre-EQ
- 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

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

# GB4



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 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.



# SMALLER SCALE MIXING, WITHOUT THE COMPROMISES

# GB2



Available in 16, 24 and 32 channel configurations, the GB2 is designed for installed sound and A/V applications that don't require all the sophisticated functionality of the GB4 and GB8. However the GB2 is a genuine GB Series console in every respect, with sound quality assured by GB30 Mic Pre and Equaliser designs, and reliability by the same rugged build quality that has made the GB4 and GB8 so dependable in demanding professional applications.

Along with six Aux busses and an integral 6 x 2 matrix, four subgroups are provided as two stereo pairs, with a unique facility for adjusting the width of the stereo signal across the stereo mix. The channel pan settings are retained on the group outputs, while the degree of stereo separation to the mix bus is independently adjustable from full stereo through to mono.

The GB2 also features two stereo input channels, with separate mic and line inputs. In normal use, the mic inputs are routed to

the local channel and the line inputs act as a stereo return to the mix bus. Selecting the line input to the local channel overrides the mic inputs.

#### GB2 FEATURES:

- 16, 24, 32 channel frame sizes
- 12 busses
- 2 full feature stereo channels
- 2 stereo returns (on stereo channels)
- 6 Aux sends
- 4 sub groups (paired)
- 6x2 output matrix
- GB30 mic preamp and precision equalisation circuitry
- Direct outputs on every channel
- Talkback facility
- 100mm faders

- Switchable 48V phantom powering on every channel
- 100Hz high pass filter
- 12-segment LED metering
- Record output

Line inputs on the stereo channels can also act as a stereo return.

