



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



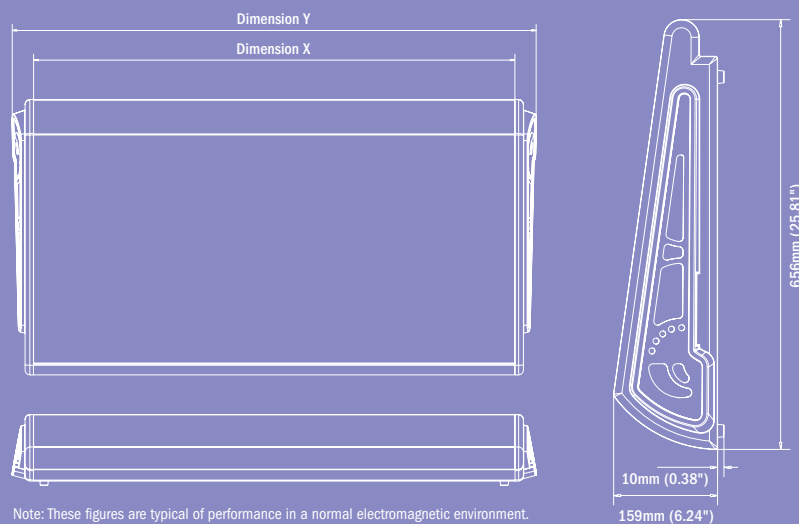
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TYPICAL SPECIFICATIONS

| | | |
|----------------------------|---|--|
| 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 Mix Output, 32 inputs routed to mix Group Outputs Aux Outputs Matrix Outputs | -128dBu <-85dBu <-85dBu <-83dBu <-89dBu |
| Crosstalk (@1kHz, typical) | Input Channel Mute Input Fader cut-off Pan isolation Mix route isolation Group route isolation Adjacent channel crosstalk Group to Mix Aux Send pots offness (typical) Matrix Send pots offness (typical) | <-93dB <-92dB <-70dB <-93dB <-93dB <-99dB <-90dB <-80dB <-80dB |
| CMRR | Typical @ 1kHz | 80dB |
| Input & Output Max Levels | Mono & Stereo Mic Inputs Mono Line Inputs Stereo Line Inputs Insert Returns Any output Nominal Operating Level Headphone Power | +15dBu +30dBu +20dBu +20dBu +20dBu 0dBu 2 x 250mW into 200Ω |
| Input & Output Impedances | Mic Inputs Line Inputs and Stereo Returns Input channels Insert Return Mix, Group, Aux, Matrix & Direct outputs Insert sends Recommended Headphone Impedance | 2kΩ 10kΩ 5kΩ with EQ in, otherwise 3kΩ 150Ω 75Ω 50 - 600 |
| Power consumption | AC mains supply (internal PSU) 85V-270V AC, 50/60Hz universal input Power consumption | Less than 150W |
| Operating conditions | Temperature range Relative humidity | -10°C to +30°C 0% to 80% |

DIMENSIONS

| Frame Size | Width (Y) | Width (X) | Weight |
|------------|-----------------|-----------------|-----------------|
| 16 Ch | 790mm (31.10") | 688mm (27.07") | 22kg (48.5lbs) |
| 24 Ch | 1013mm (39.88") | 911mm (35.87") | 25kg (55.1lbs) |
| 32 Ch | 1247mm (49.09") | 1145mm (45.08") | 30kg (66.15lbs) |



Note: These figures are typical of performance in a normal electromagnetic environment. Performance may be degraded in severe conditions. All measurements refer to electronically balanced inputs and outputs with VCAs enabled. Input and output transformers may affect these specifications.

GB2

4-BUS PROFESSIONAL MIXING CONSOLE





KEY FEATURES

- 16, 24 and 32 channel configurations
- Individually switched 48V phantom power on every input module
- 6 Aux sends
- 4 Sub groups (paired)
- 6 x 2 Output matrix
- GB30 mic pre-amp
- 4-band GB30 EQ
- Integral power supply, with an external power supply link option
- All metal TRS jacks and Neutrik XLRs
- Direct outputs on all mono input channels

The GB2 is the latest addition to the Soundcraft GB Series, featuring 4 group busses configured as 2 stereo subgroups and an integral 6 x 2 matrix. Intended for installed-sound and Audio-Visual applications that do not require the functionality provided by the GB4 or GB8, the GB2 is available in frame sizes of 16, 24 and 32 mono inputs, each with 2 stereo inputs as standard. Each input features the high-performance GB30 Mic Pre and GB30 Equaliser designs of the GB4 and GB8, along with 6 Aux buses.

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.

Mono Inputs

- Individual +48V Phantom Power switch
- Phase Reverse switch
- Mic Input with 10 to 60dB gain (Line Input -20dB)
- 100Hz HPF
- Insert point
- 4-band EQ with sweep mids
- 6 Auxes, 1&2 pre, 3&4 pre/post, 5&6 post (user option for 5&6 follow 3&4, and pre-fade=pre-EQ)
- Mute switch with LED
- Routing to Stereo Mix, Sub Group 1-2, Sub Group 3-4
- Peak & Signal LEDs
- PFL switch with LED
- Channel direct out with pre/post switch (switch on rear con)

Stereo Inputs

- Stereo Mic Inputs with 10 to 60dB gain
- Individual +48V Phantom Power switch
- Phase Reverse switch
- Separate Stereo Line Input, with Level Control, switchable direct to Mix as a stereo return, or into local channel (replacing Mic signal)
- Stereo/Mono source switching
- 4-band EQ
- Auxes and routing as Mono Inputs

Sub Groups

- Sub Group inserts
- Separate L-R Sub Group Faders
- Sub Group outputs on XLRs
- Sub Group routing to Mix, with Width control
- PFL with LED

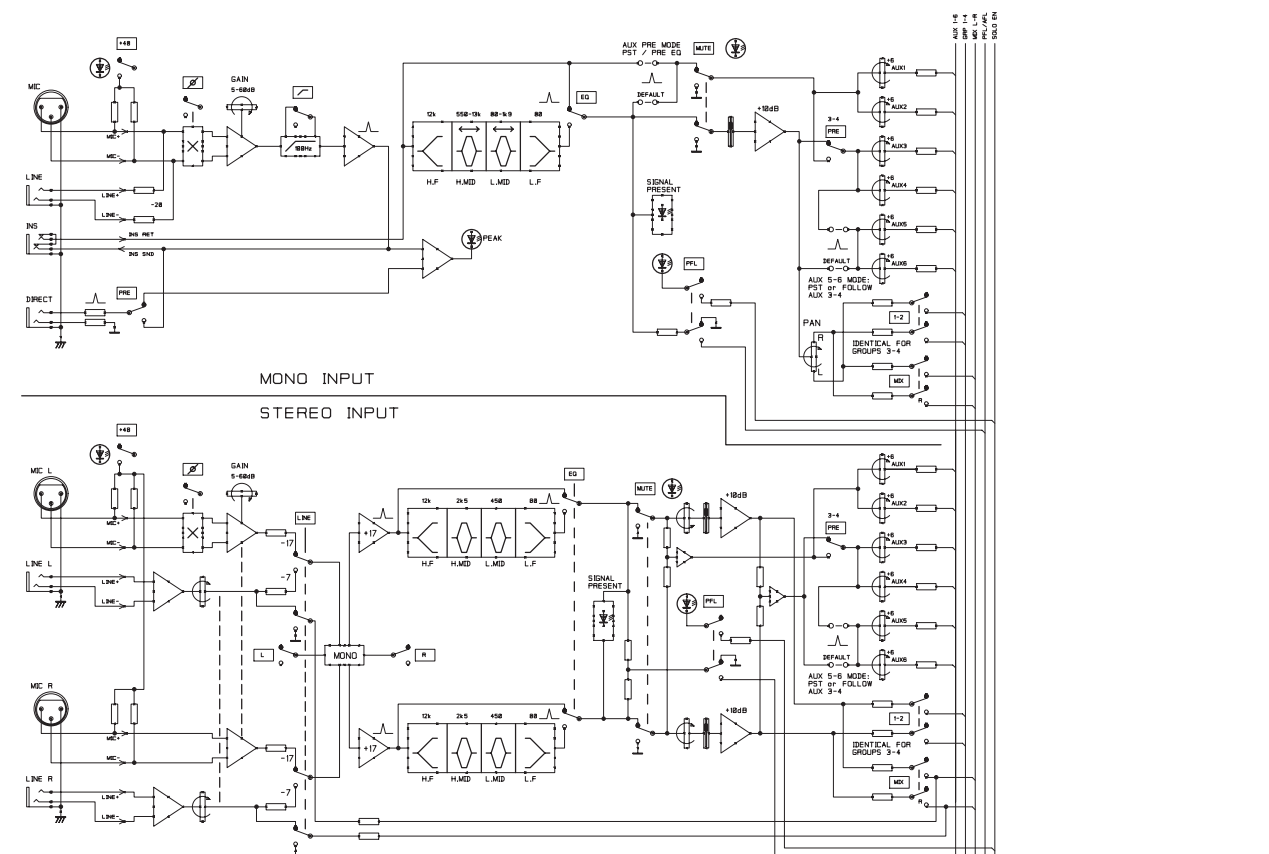
Mix Outputs

- Mix Inserts
- Stereo Mix Fader
- Mix Outputs on XLRs
- Mono Sum Output on XLR

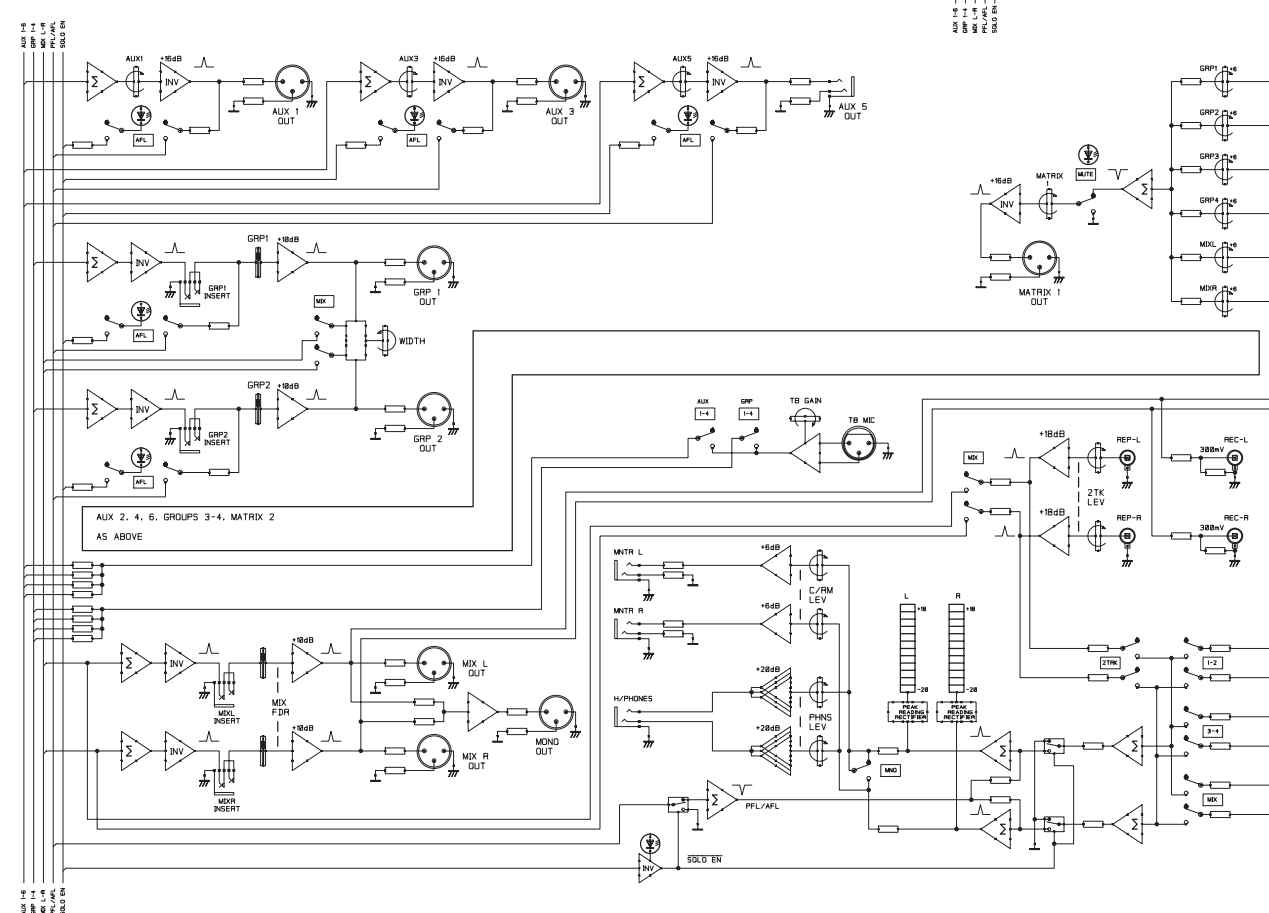
Other features

- 6x2 Matrix (Groups, L, R)
- Matrix master level controls with MUTE & AFL switches, & LEDs
- Matrix Outputs on XLRs
- Aux master controls with AFL switches and LEDs
- Aux Outputs 1-4 on XLRs, 5-6 on TRS jacks
- Headphone and Control Room outputs with level control
- Monitor switching for 2-TK Replay, Mix, Sub 1-2 & Sub 3-4
- 2-TK replay routing switch to Mix
- Dual 12-segment LED Peak Reading output metering
- Talkback mic input, routing to Aux 1-4 and Subgroups
- Record outputs on RCA Phonos
- 2-TK Replay inputs on RCA phonos
- 2 Lamp connectors

INPUTS



MASTER SECTION



GB2 Mono Input Channel

GB2 Stereo Input Channel