

MH2 Live



- Frame sizes: 24+4, 32+4, 40+4 and 48+4
- Single-piece front panel and individual channel PCBs
- MH3/4 mic amp design with 50dB range plus -20dB pad and separately switchable 1/4" Line input
- Swept high-pass filter and fully-swept 4-band EQ
- 8 group busses and 10 aux busses (FOH mode)
- 10 monitor busses: 10 mono or 8 mono + 1 stereo (Monitor mode)
- Pre/post fader switching in pairs (except 5-8 as one block of 4)
- LCR panning on inputs to mix
- 8 VCAs and 6 Mute Groups
- 4 Stereo Input channels with mic/line capability
- 4 Stereo line returns with 3-band fixed EQ, returns can route to output channels
- 11x4 Matrix built-in
- 12-segment Input and Output metering

TYPICAL SPECIFICATIONS

Frequency Response	XLR Input to any Output +0/-1dB, 20Hz - 20kHz
T.H.D. (@+10dBu)	XLR In to Mix Out < 0.03% @ 1kHz < 0.03% @ 10kHz
Noise	Mic Input E.I.N. (22Hz - 22kHz, unweighted) < -128dBu (150Ω source) Mix Output Residual Noise (no inputs routed, Mix fader @ 0dB) -90dB Mix Output Bus Noise (48 ch. routed, faders @ -∞, Mix fader @ 0dB) . < -83dBu Grp Output Bus Noise (48 ch. routed, faders @ -∞, Grp fader @ 0dB) < -82dBu Aux Output Bus Noise (48 ch. routed, sends @ -∞, Grp fader @ 0dB) . < -84dBu
Crosstalk (1kHz, +20dBu input signals)	Input Channel muting > 95dB Input fader cutoff > 90dB Input pan pot isolation > 75dB Mix routing isolation > 90dB Group routing isolation > 90dB Aux send off > 80dB
CMRR	Mono input > 84dB @ 1kHz
Oscillator	63Hz to 10kHz, variable level
HP Filter (Mono Input)	30-400Hz, 12dB/octave
EQ (Mono Input)	HF 1.2kHz - 20kHz, ±15dB Hi-Mid 750Hz - 13kHz, ±15dB Lo-Mid 75Hz - 1.3kHz, ±15dB LF 30Hz - 500Hz, ±15dB Q 1.5
Metering	12-segment LED bargraphs for all inputs. 12-segment LED bargraphs for 8 Fader-controlled Outputs, plus LR & C. Aux 9/10 metered via the LR meters.

Power Consumption	Mains Power: 48 Ch: 300W max
Operating conditions	Temperature Range -10°C to +30°C Relative Humidity 0% to 80%
Power Supply Unit	Type Internal/DPS-4

INPUT / OUTPUT SPECIFICATIONS

Input & Output Levels	Mic Input +26dBu max. Balanced Inputs +21dBu max. Balanced Outputs +21dBu max. Nominal Operating Level 0dBu
Input & Output Impedances	Mic Input 2kΩ All other Inputs > 10kΩ Headphone Output 25Ω Recommended Headphone Impedance 50-600Ω All other Outputs < 75Ω

DIMENSIONS & WEIGHT

Height	All frame sizes 256mm (10.0")*
Width	24 channel 1271mm (50.0") 32 channel 1509mm (59.4") 40 channel 1732mm (68.2") 48 channel 1956mm (77.0")
Depth	All frame sizes 753mm (29.7")
Weight	24 channel 51 kg (113 lbs) 32 channel 67 kg (147 lbs) 40 channel 83 kg (183 lbs) 48 channel 100 kg (220 lbs)

GB8 Live



- 24, 32, 40 and 48 channel frame sizes
- GB30 mic preamp and precision equalisation circuitry
- 4 full feature stereo channels
- 4 stereo returns
- Direct outputs on every channel (pre/post selectable)
- 4 segment input meters on every channel
- 100mm faders
- Switchable 48V phantom powering on every channel
- 8 Aux sends
- 18dB/octave high pass filter
- 8 sub groups
- 4 mute groups
- 11x4 output matrix
- 12-segment LED metering
- Record output with limiter and alternate output
- VU meterpod
- Integral power supply, with an external power supply link option

TYPICAL SPECIFICATIONS

Frequency Response	Mic/Line Input to any output 20Hz - 20kHz, < 1dB
T.H.D.	Mic sens. -30dBu, +20dBu at all outputs < 0.006% @ 1kHz
Noise	Measured RMS, 22Hz to 22kHz Bandwidth Mic Input E.I.N. @ unity gain < -128dBu (150Ω source) Mix Output, 40 inputs routed to mix < -82dBu Group Outputs < -83dBu Aux Outputs < -80dBu Matrix Outputs < -89dBu
Crosstalk (@ 1kHz)	Input channel muting < -97dB Input fader cutoff < -95dB Input pan pot isolation < -75dB Mix routing isolation < -97dB Group routing isolation < -97dB Adjacent channel isolation < -99dB Group-Mix crosstalk < -84dB Aux send off < -84dB Matrix send off < -84dB Typical CMRR at max gain @ 1kHz 80dB
Filter	HP (mono input) 100Hz, 18dB/octave
EQ (Mono Input)	HF 13kHz, +/-15dB Hi-Mid 550Hz - 13kHz, +/-15dB Lo-Mid 80Hz - 1.9kHz, +/-15dB LF 80Hz, +/-15dB Q 1.5
Metering	Input channels tri-colour 4-segment LED bargraph Output channels tri-colour 12-segment LED bargraphs
Power	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 Humidity 0% to 80%

INPUT / OUTPUT SPECIFICATIONS

Input & Output Levels	Mono & Stereo Mic Inputs +15dBu max. Mono & Stereo Line Inputs +30dBu max. Stereo Inputs & Insert Returns +20dBu max. All Outputs +20dBu max. Nominal operating level 0dBu max. Headphone power 2 x 250mW into 200Ω phones
Input & Output Impedances	Mic Input 2kΩ Line Inputs and Stereo Returns 10kΩ Input Channel Insert Return 5k (with EQ in, otherwise worst case 3kΩ) Mix, Group, Aux, Matrix & Direct outputs 150Ω Insert Sends 75Ω Recommended headphone impedance 50-600Ω

DIMENSIONS & WEIGHT

Height	All frame sizes 159mm (6.26")*
Width	24 channel 1208mm (47.56") 32 channel 1442mm (56.77") 40 channel 1666mm (65.59") 48 channel 1889mm (74.37")
Depth	All frame sizes 656mm (25.83")
Weight	24 channel 30 kg (66.1 lbs) 32 channel 35 kg (77.2 lbs) 40 channel 40 kg (88.2 lbs) 48 channel 45 kg (99.2 lbs)

* Height with meterpod = 235mm (9.23")

GB4 Live



- 12, 16, 24, 32 and 40 channel frame sizes
- GB30 mic preamp and precision equalisation circuitry
- 2 full feature stereo channels
- 2 stereo returns
- Direct outputs on every channel (pre/post selectable)
- 4 segment input meters on every channel
- 100mm faders
- Switchable 48V phantom powering on every channel
- 8 Aux sends
- 18dB/octave high pass filter
- 4 sub groups
- 4 mute groups
- 7x4 output matrix
- 12-segment LED metering
- Record output with limiter
- Integral power supply, with an external power supply link option

TYPICAL SPECIFICATIONS

Frequency Response	Mic/Line Input to any output 20Hz – 20kHz, < 1dB
T.H.D.	Mic sens. -30dBu, +20dBu at all outputs < 0.006% @ 1kHz
Noise	Measured RMS, 22Hz to 22kHz Bandwidth Mic Input E.I.N. @ unity gain < -128dBu (150Ω source) Mix Output, 40 inputs routed to mix < -82dBu Group Outputs < -83dBu Aux Outputs < -80dBu Matrix Outputs < -89dBu
Crosstalk (@ 1kHz)	Input channel muting < -97dB Input fader cutoff < -95dB Input pan pot isolation < -75dB Mix routing isolation < -97dB Group routing isolation < -97dB Adjacent channel isolation < -99dB Group-Mix crosstalk < -84dB Aux send off < -84dB Matrix send off < -84dB Typical CMRR at max gain @ 1kHz 80dB
Filter	HP (mono input) 100Hz, 18dB/octave
EQ (Mono Input)	HF 13kHz, +/-15dB Hi-Mid 550Hz – 13kHz, +/-15dB Lo-Mid 80Hz – 1.9kHz, +/-15dB LF 80Hz, +/-15dB Q 1.5
Metering	Input channels tri-colour 4-segment LED bargraph Output channels tri-colour 12-segment LED bargraphs
Power	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 Humidity 0% to 80%

INPUT / OUTPUT SPECIFICATIONS

Input & Output Levels	Mono & Stereo Mic Inputs +15dBu max. Mono & Stereo Line Inputs +30dBu max. Stereo Inputs & Insert Returns +20dBu max. All Outputs +20dBu max. Nominal operating level 0dBu max. Headphone power 2 x 250mW into 200Ω phones
Input & Output Impedances	Mic Input 2kΩ Line Inputs and Stereo Returns 10kΩ Input Channel Insert Return 5k (with EQ in, otherwise worst case 3kΩ) Mix, Group, Aux, Matrix & Direct outputs 150Ω Insert Sends 75Ω Recommended headphone impedance 50-600Ω

DIMENSIONS & WEIGHT

Height	All frame sizes 159mm (6.26")
Width	12 channel 730mm (28.73") 16 channel 842mm (33.13") 24 channel 1065mm (41.93") 32 channel 1300mm (51.17") 40 channel 1523mm (59.96")
Depth	All frame sizes 656mm (25.83")
Weight	12 channel 20 kg (44.1 lbs) 16 channel 22 kg (48.5 lbs) 24 channel 27 kg (59.5 lbs) 32 channel 32 kg (70.5 lbs) 40 channel 37 kg (81.6 lbs)

GB2 Live



- 16, 24 and 32 channel frame sizes
- Switchable 48V phantom powering on every channel
- 6 Aux sends
- 4 Sub groups (paired)
- 6 x 2 Output matrix
- GB30 mic preamps
- 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

TYPICAL SPECIFICATIONS

Frequency Response	Mic/Line Input to any output 20Hz – 20kHz, < 1dB
T.H.D.	Mic sens. -30dBu, +20dBu at all outputs < 0.006% @ 1kHz
Noise	Measured RMS, 22Hz to 22kHz Bandwidth Mic Input E.I.N. @ unity gain < -128dBu (150Ω source) Mix Output, 40 inputs routed to mix < -82dBu Group Outputs < -83dBu Aux Outputs < -80dBu Matrix Outputs < -89dBu
Crosstalk (@ 1kHz)	Input channel muting < -97dB Input fader cutoff < -95dB Input pan pot isolation < -75dB Mix routing isolation < -97dB Group routing isolation < -97dB Adjacent channel isolation < -99dB Group-Mix crosstalk < -84dB Aux send off < -84dB Matrix send off < -84dB Typical CMRR at max gain @ 1kHz 80dB
Filter	HP (mono input) 100Hz, 18dB/octave
EQ (Mono Input)	HF 13kHz, +/-15dB Hi-Mid 550Hz – 13kHz, +/-15dB Lo-Mid 80Hz – 1.9kHz, +/-15dB LF 80Hz, +/-15dB Q 1.5
Metering	Input channels Signal present and peak LEDs Left and right output channels tri-colour 12-segment LED bargraphs
Power	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 Humidity 0% to 80%

INPUT / OUTPUT SPECIFICATIONS

Input & Output Levels	Mono & Stereo Mic Inputs +15dBu max. Mono & Stereo Line Inputs +30dBu max. Stereo Inputs & Insert Returns +20dBu max. All Outputs +20dBu max. Nominal operating level 0dBu max. Headphone power 2 x 250mW into 200Ω phones
Input & Output Impedances	Mic Input 2kΩ Line Inputs and Stereo Returns 10kΩ Input Channel Insert Return 5k (with EQ in, otherwise worst case 3kΩ) Mix, Group, Aux, Matrix & Direct outputs 150Ω Insert Sends 75Ω Recommended headphone impedance 50-600Ω

DIMENSIONS & WEIGHT

Height	All frame sizes 159mm (6.26")
Width	16 channel 790mm (31.10") 24 channel 1013mm (39.88") 32 channel 1247mm (49.09")
Depth	All frame sizes 656mm (25.83")
Weight	16 channel 22 kg (48.5 lbs) 24 channel 25 kg (55.1 lbs) 32 channel 30 kg (66.1 lbs)

GB2R Live



Pictured : GB2R 16

TYPICAL SPECIFICATIONS

Frequency Response	Mic/Line Input to any output 20Hz – 20kHz, < 1dB
T.H.D.	Mic sens. -30dBu, +10dBu at all outputs < 0.006% @ 1kHz
Noise	Measured RMS, 22Hz to 22kHz Bandwidth Mic Input E.I.N. @ unity gain < -128dBu (150Ω source) Mix Output, 16 inputs routed to mix < -86dBu Group Outputs < -86dBu Aux Outputs < -86dBu
Crosstalk (@ 1kHz)	Input channel muting < -97dB Input fader cutoff < -95dB Input pan pot isolation < -77dB Mix routing isolation < -97dB Group routing isolation < -97dB Adjacent channel isolation < -99dB Group-Mix crosstalk < -89dB Aux send off < -84dB Typical CMRR at max gain @ 1kHz 90dB
Filter	HP (mono input) 100Hz, 18dB/octave
EQ (Mono Input)	HF 13kHz, +/-15dB, 2nd order shelving Hi-Mid 550Hz – 13kHz, +/-15dB Lo-Mid 80Hz – 1.9kHz, +/-15dB LF 80Hz, +/-15dB, 2nd order shelving Q 1.5
EQ (Stereo Input) (GB2R 12/2 only)	HF 13kHz, +/-15dB, 2nd order shelving Hi-Mid 2kHz, +/-15dB Lo-Mid 450Hz, +/-15dB LF 80Hz, +/-15dB, 2nd order shelving Q 0.8
Metering	Input channels Single LEDs, Signal Present and Peak Left and right output channels tri-colour 12-segment LED bargraphs
Power	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 Humidity 0% to 80%

- Rotatable rear connector panel for rack or desktop use
- 12/2 channel version with 12 mono inputs and 2 stereo inputs, stereo Sub Group Output, Mix and Mono Sum Outputs – total inputs to mix 26
- 16 channel version with 16 mono inputs, Stereo Mix and Mono Sum outputs – total inputs to mix 22
- 8 (GB2R 16) or 10 (GB2R 12/2) busses
- 2 stereo inputs (GB2R 12/2 only)
- GB30 mic preamp and precision equalisation circuitry
- 6 Aux Outputs
- Direct Outputs on every mono channel
- 100mm faders
- Switchable +48V phantom power on every mic input
- 100Hz high pass filter
- Internal switched mode power supply
- Record output

INPUT / OUTPUT SPECIFICATIONS

Input & Output Levels	Mono & Stereo Mic Inputs +15dBu max. Mono & Stereo Line Inputs +30dBu max. Stereo Returns & Insert Returns +20dBu max. Any Output +20dBu max. Nominal operating level 0dBu max. Headphone power 2 x 250mW into 200Ω phones
Input & Output Impedances	Mic Input 2kΩ Line Inputs and Stereo Returns 10kΩ Input Channel Insert Return 5k (with EQ in, otherwise worst case 3kΩ) Mix, Group, Aux, & Direct outputs 150Ω Insert Sends 75Ω Recommended headphone impedance 50-600Ω

DIMENSIONS & WEIGHT

Depth (at deepest point) Rearcon rotated to rack mount Rearcon rotated for desktop use	Both models159mm (6.26") Both models190mm (7.48")
Width With rack ears Without rack ears	Both models483mm (19") Both models440mm (17.32")
Height	Both models445mm (17.52")
Weight	GB2R 12/212.2 kg (27 lbs) GB2R 16 12.2 kg (27 lbs)

LX7ii Live



- 16, 24 and 32 channel frame sizes
- GB30 mic preamp and 4-band GB30 EQ
- 48V phantom power
- True 7-bus architecture
- Channel direct outputs
- Talkback facility
- Full-size 100mm faders
- Integral universal voltage, switched-mode PSU for light weight

TYPICAL SPECIFICATIONS

Frequency Response	XLR input to any Output 20Hz – 20kHz, +0/-1dB
T.H.D.	All measurements at +10dBu output, 30dB gain XLR input to Direct output < 0.007% @ 1kHz XLR input to Mix output < 0.008% @ 1kHz
Noise	Mic Input E.I.N. (maximum gain) <-128dBu (150Ω source) Mix (32 ch. routed to mix, faders down, 22Hz – 22kHz) < -85dBu Group (32 ch. routed to mix, faders down, 22Hz – 22kHz) < -85dBu Aux (32 ch. routed to mix, faders down, 22Hz – 22kHz) < -88dBu
Crosstalk (@ 1kHz)	Input channel muting > 98dB Input fader cutoff > 98dB Input pan pot isolation > 82dB Mix routing isolation > 98dB Group routing isolation > 98dB Adjacent channel isolation > 100dB Group-Mix crosstalk < -84dB Aux send off < -94dB Typical CMRR at max gain @ 1kHz 80dB
Filter	HP (mono input) 100Hz, 18dB/octave
EQ (Mono Input)	HF 13kHz, +/-15dB Hi-Mid 550Hz – 13kHz, +/-15dB Lo-Mid 80Hz – 1.9kHz, +/-15dB LF 80Hz, +/-15dB Q 1.5
Metering	Output channels 6 tri-colour 12-segment LED bargraphs
Power	AC mains supply (internal PSU) 85V-270V AC, 50/60Hz universal input Power consumption Less than 50W
Operating Conditions	Temperature Range -10°C to +30°C Humidity 0% to 80%

INPUT / OUTPUT SPECIFICATIONS

Input & Output Levels	Mic Input +15dBu max. Line Input +30dBu max. Stereo Inputs & Insert Returns +20dBu max. All Outputs +20dBu max. Nominal operating level 0dBu max. Headphone power 2 x 250mW into 200 phones
Input & Output Impedances	Mic Input 2kΩ Line Inputs > 10kΩ Input Channel Insert Return . 5k (with EQ in, otherwiseworst case 1.8kΩ) Mix, Group, Aux Outputs 150Ω Insert Sends 75Ω Recommended headphone impedance 50-600Ω

DIMENSIONS & WEIGHT

Height	All frame sizes 164mm (6.5")
Width	16 channel 653mm (25.7") 24 channel 856mm (33.7") 32 channel 1059mm (41.7")
Depth	All frame sizes 503mm (19.8")
Weight (packed)	16 channel 18.2 kg (40.0 lbs) 24 channel 21.8 kg (48.0 lbs) 32 channel 25.4 kg (56.0 lbs)

FX16ii Multi-Purpose

FX16ii



- 26 inputs as standard
- 16 mono channels with UltraMic™ preamps
- 4 stereo returns
- 4-bus architecture with sub-group routable to mix
- 24-bit Lexicon effects processor
- Direct outputs individually switchable pre/post fade
- 100mm faders
- Inserts on all mono channels
- Inserts on stereo mix bus
- 3-band EQ with swept mid band on mono inputs
- 100Hz high-pass filter
- +48V phantom power
- 2 sub-group outputs
- Rack mountable with rotating rear panel

TYPICAL SPECIFICATIONS

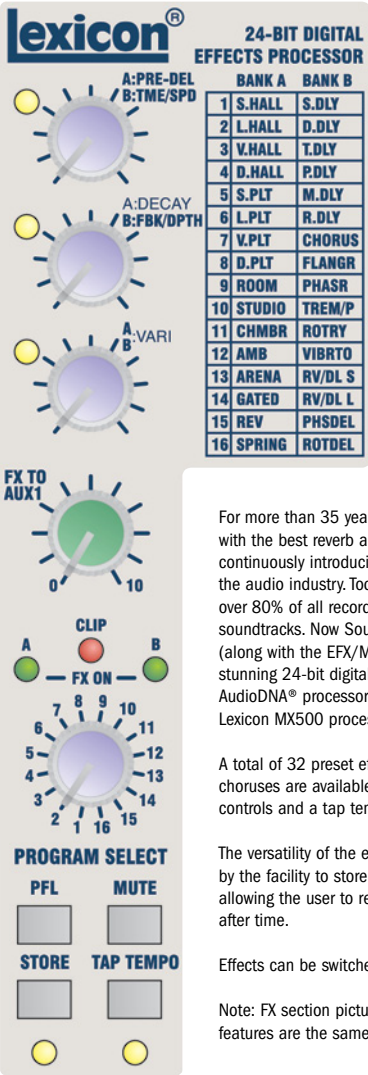
Frequency Response	Mic / Line Input to any Output +/1dB, 20Hz – 20kHz
T.H.D.	Mic Sensitivity -30dBu, +14dBu @ Mix output < 0.009% @ 1kHz
Noise	Mic Input E.I.N. (maximum gain) -127dBu (150Ω source) Aux, Mix and Masters (@ 0dB, faders down) < -84dBu
Crosstalk (@ 1kHz)	Channel Mute > 96dB Fader Cut-off (rel +10 mark) > 90dB Aux Send Pots Offness > 86dB
EQ (Mono inputs)	HF 12kHz, +/-15dB, MF (swept) 150Hz – 3.5kHz, +/-15dB LF 80Hz, +/-15dB Q 1.5
Power Consumption	Less than 40W
Operating Conditions	Temperature Range 5°C to +30°C

INPUT / OUTPUT SPECIFICATIONS

Input & Output Levels	Mic Input +15dBu max. Line Input +30dBu max. Stereo Input +30dBu max. Mix Output +20dBu max. Headphones (@150Ω) 300mW
Input & Output Impedances	Mic Input 2kΩ Line Input 10kΩ Stereo Input 65kΩ (stereo), 35kΩ (mono) Outputs 150Ω (balanced), 75Ω (unbalanced)

DIMENSIONS & WEIGHT

Height	148mm (5.8")
Width	Without rack brackets 442mm (17.4") With rack brackets 481mm (19.0")
Depth	442mm (17.4")
Weight	8.5kg (19lbs)



For more than 35 years, Lexicon has been synonymous with the best reverb and processing in the business, continuously introducing ground-breaking technology to the audio industry. Today, Lexicon processing is heard on over 80% of all recordings - broadcast and film soundtracks. Now Soundcraft empowers the FX16ii (along with the EFX/MFX – see pages 40 and 44) with stunning 24-bit digital effects processing using the same AudioDNA® processor used in the highly-acclaimed Lexicon MX500 processor.

A total of 32 preset effects including reverbs, delays and choruses are available along with 3 effects parameter controls and a tap tempo button.

The versatility of the effects section is further enhanced by the facility to store user-defined effects settings allowing the user to return to their favourite settings time after time.

Effects can be switched on and off using a footswitch.

Note: FX section pictured here is from EFX. Functions and features are the same for FX16ii, EFX and MFX.

Soundcraft M Series Multi-Purpose M SERIES



- 4, 8 or 12 mono inputs with 3-band EQ (swept mid)
- 4 stereo inputs
- Rugged chassis design, with integral rackmount capability
- 4 dedicated level-controlled FX returns with master level control
- 4 auxiliary sends – 2 pre-fade, 2 post-fade
- Pre- /post-fade switchable direct output on every mono input channel
- Signal detect and peak LEDs on all input channels
- S/PDIF digital output
- Global 48V phantom power
- 100mm faders throughout

TYPICAL SPECIFICATIONS

Frequency Response	Mic / Line Input to any Output +/1dB, 20Hz – 20kHz
T.H.D.	Mic Sensitivity -30dBu, +20dBu @ all outputs < 0.008% @ 1kHz
Noise	Mic Input E.I.N. (max. gain, 22Hz – 22kHz, unweighted) -128dBu Aux and Mix Outputs (8 ch. routed, faders down, 22Hz – 22kHz, unweighted) < -84dBu
Crosstalk	Channel Mute < 90dB 20Hz – 10kHz, < 80dB 10kHz – 20kHz Fader Cut-Off (ref. Fader 0dB) < 90dB 20Hz – 10kHz, < 80dB 10kHz – 20kHz Routing Isolation < 90dB 20Hz – 10kHz, < 80dB 10kHz – 20kHz
Filter	HP 100Hz, 18dB/octave
EQ (Mono Input)	HF 12kHz, +/-15dB MF 240Hz – 6kHz, +/-15dB LF 60Hz, +/-15dB
Operating Conditions	Temperature Range -10°C to +30°C Humidity 0% to 80%

INPUT / OUTPUT SPECIFICATIONS

Input & Output Levels	Microphone Input Maximum Level +12dBu Mono Channel Line Input Maximum Level +38dBu Stereo Input Maximum Level +21dBu Headphones Output (into 200Ω) 150mW All Other Audio Outputs +21dBu into 10kΩ
Input & Output Impedances	Mic Input ~ 2kΩ Mono Channel Line Input > 40kΩ Stereo Input (Stereo Mode) > 30kΩ Stereo Returns > 10kΩ Headphone Output ~ 40Ω All Other Audio Outputs 75Ω

DIMENSIONS & WEIGHT

Height	All frame sizes 119mm (4.7")
Width	4 channel, with sides 397mm (15.6") 4 channel, without sides 373mm (14.7") 8 / 12 channel, with sides 506mm (19.9") 8 / 12 channel, without sides (rackmount) 483mm (19.0")
Depth	All frame sizes, with sides 523mm (20.6") All frame sizes, without sides (rackmount) 490mm (19.3"), fits into 11U
Weight (incl. power supply)	4 channel 6.75 kg (14.8 lbs) 8 channel 8.25 kg (18.1 lbs) 12 channel 8.55 kg (18.8 lbs)

EPM Series Multi-Purpose

EPM



Pictured : EPM12

- Frame sizes 6 mono + 2 stereo, 8 mono + 2 stereo and 12 mono + 2 stereo
- Precision GB30 mic preamps
- +48V phantom power
- 2 configurable auxiliary buses
- XLR-type and 1/4" metal jack connector sockets
- 2-track playback inputs and record outputs
- Aux send globally switchable pre or post fade
- 3- band EQ with swept mid band (mono inputs)
- 2- band EQ on stereo inputs
- Inserts on all mono inputs
- 10-segment LED output metering
- Headphone output
- Simple rack mounting options

TYPICAL SPECIFICATIONS

Frequency Response	Mic / Line Input to any Output +/-0.5dB, 20Hz – 20kHz
T.H.D.	Mic Sensitivity -30dBu, +14dBu @ Mix output < 0.007% @ 1kHz
Noise	Mic Input E.I.N. (maximum gain) -128dBu (150Ω source) Aux, Mix and Masters (@ max, faders down) < -85dBu
Crosstalk (@ 1kHz)	Channel Mute > 96dB Fader Cut-off (rel +10 mark) > 96dB Aux Send Pots Offness > 86dB
EQ (Mono inputs)	HF 12kHz, +/-15dB, MF (swept) 140Hz – 3kHz, +/-15dB LF 80Hz, +/-15dB Q 1.5
Power Consumption	Less than 20W
Operating Conditions	Temperature Range -10°C to +30°C

INPUT / OUTPUT SPECIFICATIONS

Input & Output Levels	Mic Input +17dBu max. Line Input +30dBu max. Stereo Input +30dBu max. Mix Output +20dBu max. Headphones (@200Ω) 300mW
Input & Output Impedances	Mic Input 2.4kΩ Line Input 11kΩ Stereo Input 100kΩ Outputs 75Ω

DIMENSIONS & WEIGHT

Height	All frame sizes 91mm (3.6")
Width	EPM6 280mm (11.0") EPM8 330mm (13.0") EPM12 432mm (17.0")
Depth	All frame sizes 362mm (14.3")
Weight	EPM6 4.0 kg (8.8 lbs) EPM8 4.6 kg (10.1 lbs) EPM12 5.8 kg (12.8 lbs)

EFX Series Multi-Purpose

EFX



Pictured : EFX8

- Frame sizes 8 mono + 2 stereo and 12 mono + 2 stereo
- Built- in Lexicon 24-bit effects
- Precision GB30 mic preamps
- +48V phantom power
- 1 configurable auxiliary bus
- 1 dedicated FX send
- XLR-type and 1/4" metal jack connector sockets
- 2-track playback inputs and record outputs
- Aux send globally switchable pre or post fade
- 3- band EQ with swept mid band (mono inputs)
- 3- band EQ on stereo inputs
- Inserts on all mono inputs
- 10-segment LED output metering
- Headphone output
- Simple rack mounting options

See Soundcraft FX16ii for Lexicon Effects Information

TYPICAL SPECIFICATIONS

Frequency Response	Mic / Line Input to any Output +/-1.5dB, 20Hz – 20kHz
T.H.D.	Mic Sensitivity -30dBu, +14dBu @ Mix output < 0.02% @ 1kHz
Noise	Mic Input E.I.N. (maximum gain) -127dBu (150Ω source) Aux, Mix and Masters (@ 0dB, faders down) < -85dBu
Crosstalk (@ 1kHz)	Channel Mute > 96dB Fader Cut-off (rel +10 mark) > 96dB Aux Send Pots Offness > 86dB
EQ (Mono inputs)	HF 12kHz, +/-15dB, MF (swept) 150Hz – 3.5kHz, +/-15dB LF 80Hz, +/-15dB Q 1.5
EQ (Stereo inputs)	HF 12kHz, +/-15dB, MF 720Hz, +/-15dB LF 80Hz, +/-15dB
Power Consumption	Less than 35W
Operating Conditions	Temperature Range 5°C to 40°C

INPUT / OUTPUT SPECIFICATIONS

Input & Output Levels	Mic Input +15dBu max. Line Input +30dBu max. Stereo Input +30dBu max. Mix Output +20dBu max. Headphones (@150Ω) 300mW
Input & Output Impedances	Mic Input 2kΩ Line Input 10kΩ Stereo Input 65kΩ (stereo), 35kΩ (mono) Outputs 150Ω (balanced), 75Ω (unbalanced)

DIMENSIONS & WEIGHT

Height	All frame sizes 91mm (3.6")
Width	EFX8 330mm (13.0") EFX12 432mm (17.0")
Depth	All frame sizes 362mm (14.3")
Weight	EFX8 4.6 kg (10.1 lbs) EFX12 5.8 kg (12.8 lbs)

MPMi Series Multi-Purpose

MPM



Pictured : MPMi20

- Frame sizes 12 mono + 2 stereo and 20 mono + 2 stereo
- Individual channel modules with nitted pots fixed to compact and rugged steel chassis for increased strength and rigidity
- Precision GB30 mic preamps
- +48V phantom power
- 2 group busses
- 3 Aux sends, 2 switchable pre or post fade, 1 post fade
- 3-band EQ with swept mid band on mono inputs
- 3-band EQ on stereo inputs
- XLR-type and 1/4" metal jack connector sockets
- 2-track playback inputs and record outputs
- Stereo Mix, Monitor and Headphone outputs
- Optional rack ears available for 20 channel, included with 12 channel

TYPICAL SPECIFICATIONS

Frequency Response	Mic /Line Input to any Output +/-0.5dB, 20Hz – 20kHz
T.H.D. + Noise	Mic gain 30dB, -20dBu input Mix out, fader max @ 1kHz, i/p fader @ 0dB <0.004 %
Noise (22Hz-22kHz measurement bandwidth)	Mic Input E.I.N. (maximum gain) -128dBu (150Ω source) Aux, Mix and Masters (@ max, faders down) < -83dBu
Crosstalk (@ 1kHz)	Channel Mute > 93dB Fader Cut-off (rel +10 mark) > 93dB Aux Send Pots Offness > 83dB
EQ (Mono inputs)	HF 8kHz, +/-15dB MF (swept) 150Hz – 3.5kHz, +/-15dB LF 150Hz, +/-15dB Q 1.5
Power Consumption	MPMi20/2 35 Watts MPMi12/2 30 Watts
Operating Conditions	Temperature Range 0°C to +40°C

INPUT / OUTPUT SPECIFICATIONS

Input & Output Levels	Mic Input +16dBu max. Line Input +30dBu max. Stereo Input +30dBu max. Mix Output +20dBu max. Headphones (@200Ω) 300mW
Input & Output Impedances	Mic Input 2.4kΩ Line Input 11kΩ Stereo Input 100kΩ Outputs 75Ω

DIMENSIONS & WEIGHT

Height	All frame sizes 196mm (7.7")
Width	MPMi12 585mm (23.0") MPMi20 790mm (31.0")
Depth	All frame sizes 485mm (19.1")
Weight	MPMi12 8.6 kg (18.9 lbs) MPMi20 11.5 kg (25.3 lbs)

MFXi Series Multi-Purpose

MFX



Pictured : MFXi12/2

- Frame sizes 8 mono + 2 stereo, 12 mono + 2 stereo and 20 mono + 2 stereo
- Individual channel modules with nitted pots fixed to compact and rugged steel chassis for increased strength and rigidity
- Built- in Lexicon 24-bit effects
- Precision GB30 mic preamps
- +48V phantom power
- 2 group busses
- 2 Aux sends, globally switchable pre or post fade
- Dedicated FX send
- 3-band EQ with swept mid band on mono inputs
- 3-band EQ on stereo inputs
- XLR-type and 1/4" metal jack connector sockets
- 2-track playback inputs and record outputs
- Stereo Mix, Monitor and Headphone outputs
- Optional rack ears available for 8 and 20 channel, included with 12 channel

See Soundcraft FX16ii for Lexicon Effects Information

TYPICAL SPECIFICATIONS

Frequency Response	Mic /Line Input to any Output +/-1.5dB, 20Hz – 20kHz
T.H.D.	Mic Sensitivity -30dBu, +14dBu @ Mix output < 0.02% @ 1kHz
Noise	Mic Input E.I.N. (maximum gain) -127dBu (150Ω source) Aux, Mix and Masters (@ 0dB, faders down) < -85dBu
Crosstalk (@ 1kHz)	Channel Mute > 96dB Fader Cut-off (rel +10 mark) > 96dB Aux Send Pots Offness > 86dB
EQ (Mono inputs)	HF 12kHz, +/-15dB, MF (swept) 150Hz – 3.5kHz, +/-15dB LF 80Hz, +/-15dB Q 1.5
EQ (Stereo inputs)	HF 12kHz, +/-15dB, MF 720Hz, +/-15dB LF 80Hz, +/-15dB
Power Consumption	Less than 40W
Operating Conditions	Temperature Range 5°C to 40°C

INPUT / OUTPUT SPECIFICATIONS

Input & Output Levels	Mic Input +15dBu max. Line Input +30dBu max. Stereo Input +30dBu max. Mix Output +20dBu max. Headphones (@150Ω) 300mW
Input & Output Impedances	Mic Input 2kΩ Line Input 10kΩ Stereo Input 65kΩ (stereo), 35kΩ (mono) Outputs 150Ω (balanced), 75Ω (unbalanced)

DIMENSIONS & WEIGHT

Height	All frame sizes 196mm (7.7")
Width	MFXi8 487mm (19.2") MFXi12 585mm (23.0") MFXi20 790mm (31.1")
Depth	All frame sizes 485mm (19.1")
Weight	MFXi8 7.4 kg (16.3 lbs) MFXi12 8.6 kg (18.9 lbs) MFXi20 11.5 kg (25.3 lbs)

Power Supply Units

All Soundcraft power supply units feature high quality components throughout. Features on the top-of-the-range CPS2000 include:



CPS2000

TYPICAL SPECIFICATIONS

Power Supply Unit	CPS2000	CPS800	CPS450/B	CPS275	CPS150
Height	177.0mm (7.0"), 4U	132.5mm (5.2"), 3U	88.1mm (3.5"), 2U	88.1mm (3.5"), 2U	85.0mm (3.3")
Width at Front	482.6mm (19.0")	482.6mm (19.0")	482.6mm (19.0")	482.6mm (19.0")	287.0mm (11.3")
Width at Rear	440.0mm (17.3")	434.0mm (17.1")	424.0mm (16.7")	427.5mm (16.8")	287.0mm (11.3")
Depth	436.0mm (17.2")	371.5mm (14.6")	305.0mm (12.0")	350.5mm (13.8")	190.0mm (7.5")
Weight	30 kg (66 lbs)	16 kg (35 lbs)	13.2 kg (29 lbs)	11 kg (24.2 lbs)	5.2 kg (11.4 lbs)
Output Voltage	+/-17V, +48V, +8V	+/-17V, +48V, +8V	+/-17V, +48V, +24V, +8V	+/-17V, +48V, +5V	+/-17V, +48V
Power Consumption	980W	650W	400W	450W	100W
Rackmount (as standard)	Yes	Yes	Yes	Yes	No
Rackmount Kit Available	-	-	-	-	Yes

TYPICAL SPECIFICATIONS

Power Supply Unit	DCP200	DCP125	DPS-2	DPS-3	DPS-4
Height	85.0mm (3.3")	85.0mm (3.3")	88.1mm (3.5"), 2U	90.0mm (3.6")	89.0mm (3.5")
Width at Front	375.0mm (14.8")	185.0mm (7.3")	482.6mm (19.0")	190.0mm (7.5")	483.0mm (19.0")
Width at Rear	375.0mm (14.8")	185.0mm (7.3")	431.0mm (17.0")	190.0mm (7.5")	431.0mm (17.0")
Depth	180.0mm (7.1")	210.0mm (8.3")	160.0mm (6.3")	240.0mm (9.45")	245.0mm (9.65")
Weight	7.8 kg (17.2 lbs)	4.2 kg (9.2 lbs)	3.0 kg (6.6 lbs)	2.5 kg (5.5 lbs)	4.0 kg (8.8 lbs)
Output Voltage	+/-17V, +48V, 12VAC	+/-17V	+/-15V, +48V, +5V, +8V	+/-17V, +48V, +12V	+/-17V, +48V, +12V
Power Consumption	175W	99W	80W	150W	300W
Rackmount (as standard)	No	No	Yes	-	Yes
Rackmount Kit Available	Yes	Yes	-	Yes	-

- Linear circuitry, using industry standard components
- Fewer voltage rails for greater simplicity and reliability
- Load is spread across several power devices on each rail, for optimum heat dissipation
- Voltage monitoring for world-wide use
- Front panel status LEDs indicating thermal shutdown and low mains power
- Heavy current wiring is all hard soldered, minimising number of connectors
- Built-in diode output linking allows two supplies to be paralleled for redundant operation, without a separate switcher box
- Heavy-duty Socapex® DC connectors on both the console and power supply
- Thermal sensing fan speed control for reduced noise and longer life

Multi-Purpose Comparison Chart

	FX16ii	M Series	EPM	EFX	MPMi	MFXi
Rack Mount	Rack ears supplied	4,8 & 12 Integral (4 uses rack extender)	Optional	Optional	Optional for 20 ch Standard on 12 ch	Optional for 8/20 ch Standard on 12 ch
Frame Sizes	16	4, 8, 12	6, 8, 12	8, 12	12, 20	8, 12, 20
Mono Channels (mic or line)	16	4, 8, 12	6, 8, 12	8, 12	12, 20	8, 12, 20
Integral FX	32 Lexicon FX			32 Lexicon FX		100+ FX
Inserts	Mono inputs, Sub-mix, Mix	Mono inputs, Mix	Mono inputs, Mix	Mono inputs	Mono inputs	Mono inputs
Stereo Channels	4 stereo returns	4 stereo inputs	2 stereo inputs	2 stereo inputs	2 stereo inputs	2 stereo inputs
Groups	2	-	-	-	2	2
Direct Outs	All mono channels	All mono channels	-	-	-	-
EQ Bands (mono inputs)	3 (swept mid)	3 (swept mid)	3 (swept mid)	3 (swept mid)	3 (swept mid)	3 (swept mid)
EQ Bands (stereo inputs)	-	2 band fixed on stereo inputs	2 band fixed on stereo inputs	3 band fixed on stereo inputs	3 band fixed on stereo inputs	3 band fixed on stereo inputs
Filters	100Hz HPF mono inputs	100Hz HPF mono inputs	-	-	100Hz HPF mono inputs	100Hz HPF mono inputs
Auxiliary Sends	3 + Lexicon FX	4 (2 pre, 2 post)	2	1 + Lexicon FX	3	2 + Lexicon FX
Returns (Stereo returns include 2-track input)	5 stereo returns	4 stereo returns	1 stereo return	2 stereo returns	1 stereo return	2 stereo returns
Phantom Power	Switchable 1-8, 9-16	Global	Global	Global	Global	Global

Typical Applications:

Band/PA Setups	✓	✓	✓	✓	✓	✓
Small Venues,	✓	✓	✓	✓	✓	✓
Conferences	✓	✓	✓	✓	✓	✓
Installed Sound	✓	✓	✓	✓	✓	✓
Schools, Houses of Worship	✓	✓	✓	✓	✓	✓
Studio Recording	✓	✓	✓	✓	✓	✓
Video Pre/ Post-Production	✓	✓	✓	✓	✓	✓
Sub/Location Mixing	✓	✓	✓	✓	✓	✓
Multimedia	✓	✓	✓	✓	✓	✓

Live Comparison Chart

COMPARISON CHARTS

Front of House	MH2 (dual purpose)	GB8	GB4
Mono Inputs	24-48ch	24-48ch	12-40ch
Sub Groups	8 (paired sends)	4 (paired sends)	4 (paired sends)
Master Outputs	L/R + Mono	L/R + Mono	L/R + Mono
Matrix	11 x 4 standard	11 x 4 standard	7 x 4 standard
VCA Groups	8	-	-
Stereo Inputs	4	4 standard	2 standard
EQ	4 swept	2 fixed, 2 swept	2 fixed, 2 swept
Filters	Swept HPF	100Hz HPF	100Hz HPF
Aux Sends	10 Mono, 2 may be set as a stereo pair	8	8
Mute Groups	6	4	4
FX Returns	4 stereo with 3 band EQ	4 + 2 stereo inputs	2 stereo inputs
Linking	-	-	-
Other Features	LCR pan, Mic and Line input selection External MIDI Mute Control.	Integral PSU 12-segment output metering	Integral PSU, 12-segment output metering Stereo modules

Stage Monitor	MH2 (dual purpose)
Mono Inputs	24-48ch
Monitor Sends	8 mono + 1 stereo, or 10 mono
Master Outputs	Stereo Wedge
Matrix	11 x 4
VCA Groups	8
Stereo Inputs	4 standard
EQ	4 swept
Filters	Swept HPF
Mute Groups	6
FX Returns	4 x stereo routable to groups
Linking	-
Other Features	AFL selects page on BSS™ Varicurve or dbx DriveRack.

Live Comparison Chart

COMPARISON CHARTS

Front of House	GB2	GB2R 16	GB2R 12/2	LX7ii
Mono Inputs	16-32ch	16ch	12ch	16-32ch
Sub Groups	8 (paired sends)	-	2	4 (paired sends)
Master Outputs	L/R + Mono	L/R + Mono	L/R + Mono	L/R + Mono
Matrix	6 x 2 standard	-	-	-
VCA Groups	-	-	-	-
Stereo Inputs	2 standard more optionall	-	2	2
EQ	2 fixed, 2 swept	2 fixed, 2 swept	2 fixed, 2 swept	2 fixed 2 swept
Filters	100Hz HPF	100Hz HPF	100Hz HPF	100Hz HPF
Aux Sends	6	6	6	6 (4 Pre/Post
Mute Groups	-	-	-	-
FX Returns	2, stereo inputs	3 stereo returns	Up to 5 stereo returns + 2 stereo inputs	2
Linking	-	-	-	-
Other Features	Integral PSU 12 segment output metering available	Integral PSU 12-segment output metering Integral rack mounting kit	Integral PSU 12-segment output metering Integral rack mounting kit	Integral PSU meterbridge