

SOUND EQUIPMENT

Consoles

DiGiCo S21



Soundcraft EPM8 10ch



EPSON Laser EB-L1755U



BEHRINGER XAIR XR18



SOUND EQUIPMENT

Consoles

**BEHRINGER DIGITAL
SNAKE S16**



**BEHRINGER X32 PRO-
DUCER DIGITAL**



MIDAS M32



Yamaha DM7





DiGiCo S21

Technical Specifications

- 48x Input flex-channels Mono/Stereo (equivalent of 96x DSP channels)
- 46x busses: 16x flexi-busses Mono/Stereo (equivalent of 32x DSP busses), Stereo Master (2x), Solo busses (2x stereo, 4x total), and 10x 8 Matrix (8)
- 1x Compressor per channel and buss
- 21x assignable DiGiTuBes
- 21x assignable Multiband Compressors
- 21x assignable Dynamic EQ's
- User definable Macros
- An extremely high power headphone amplifier with 1/4 inch and mini jack socket
- 96kHz as standard
- 2x multi-touch screens
- 21x touch sensitive moving faders
- 4x layers of banks of 10 faders
- Customisable bank and channel layout
- Integrated USB2 Audio I/O interface for recording and playback of up to 48 channels
- Sample Rate 48kHz, 96kHz
- Internal Processing Up to 40-bit, Floating Point
- Frequency Response: +/- 0.6dB (20Hz – 20kHz)
- Analogue Gain: -20 to +60dB



Soundcraft EPM8 10ch

Technical Specifications

- 10-Channel
- 2 configurable auxiliary buses
- XLR-type and 1/4" metal jack connector sockets
- RCA phono stereo playback inputs and record outputs
- 3-band EQ with a swept mid on mono inputs
- 2-band EQ on stereo inputs
- TRS insert sockets and inserts on all mono inputs and mix output
- Ten-segment LED output metering
- Intuitive and comprehensive solo system
- Headphone output
- Easily rack mountable
- Integrated power supply
- Dimensions: 330 x 363 x 91 mm
- Weight: 4.6 kg (10.2 lbs)



Soundcraft EPM6 8ch

Technical Specifications

- Frame sizes 6+2, 8+2 and 12+2
- 2 configurable auxiliary buses
- XLR-type and 1/4" metal jack connector sockets
- RCA phono stereo playback inputs and record outputs
- 3-band EQ with a swept mid on mono inputs
- 2-band EQ on stereo inputs
- TRS insert sockets and inserts on all mono inputs and mix output
- Ten-segment LED output metering
- Intuitive and comprehensive solo system
- Headphone output
- Easily rack mountable
- Integrated power supply
- Dimensions: 280 x 363 x 91 mm
- Weight: 4 kg (8.8 lbs)



BEHRINGER XAIR XR18

Technical Specifications

- Built-in Wi-Fi module
- Convenient stage box/rackmount chassis
- Includes rack ears and protection bumpers
- Midas-designed preamps
- 40-bit floating-point DSP
- Full-featured channel processing
- FX Rack delivers studio-quality effects
- 100-band RTA for all channel and bus EQs
- Ultranet compatible



BEHRINGER DIGITAL SNAKE S16

Technical Specifications

- With 16 Inputs and 8 Outputs
- AES50 network (Klark Teknik)
- Up to 100m of networking capability via CAT-5e cable (not included in thomann delivery)
- 7-segment LED displays
- Direct P-16 Monitor port
- Dual ADAT outputs
- MIDI In/Output
- USB connector for system updates via PC
- Format: 19" / 2HE
- Mounting depth: 21 cm
- Distance of the metal handles to the front: 2,2 cm



BEHRINGER X32 PRODUCER DIGITAL

Technical Specifications

- 32-Channel
- 25-Bus
- 16 Mic Preamps
- 8 Outputs
- 8 Stereo FX Returns
- 6 Matrix Busses with Insert
- 6 Mute groups
- 8 DCA groups
- 32×32 Channel Audio Interface (USB 2.0)
- 100 thomann mm Motor Fader
- 5" TFT Colour Display
- EQ per Channel
- Adjustable Delays in all channels
- Virtual FX rack featuring 8 FX slots
- Built-in USB Recorder
- Remote controlled with Ethernet
- Compatible with Behringer P-16 Personal Monitoring System
- Full MIDI Implementation
- Dimensions: 490 x 506 x 163 mm
- Weight: 11.4 kg
- Includes: 19" Rackmount



MIDAS M32

Technical Specifications

Processing

• Input Processing Channels	32 Input Channels, 8 Aux Channels, 8 FX Return Channels
• Output Processing Channels	16
• 16 aux buses, 6 matrices, main LRC	100
• Internal Effects Engines (True Stereo / Mono)	16
• Internal Show Automation (structured Cues / Snippets)	500 / 100
• Internal Total Recall Scenes (incl. Preamplifiers and Faders)	100
• Signal Processing	40-Bit Floating Point
• A/D Conversion (8-channel, 96 kHz ready)	114 dB Dynamic Range (A-weighted*)
• D/A Conversion (stereo, 96 kHz ready)	120 dB Dynamic Range (A-weighted*)
• I/O Latency (Console Input to Output)	0.8 ms
• Network Latency (Stage Box In > Console > Stage Box Out)	1.1 ms

Connectors

• MIDAS PRO Series Microphone Preamplifier (XLR)	32
• Talkback Microphone Input (XLR)	1
• RCA Inputs / Outputs	2
• XLR Outputs	16
• Monitoring Outputs (XLR / ¼" TRS Balanced)	2
• Aux Inputs/Outputs (¼" TRS Balanced)	6
• Phones Output (¼" TRS)	2 (Stereo)
• Digital AES/EBU Output (XLR)	1
• AES50 Ports (KLARK TEKNIK SuperMAC)	2
• Expansion Card Interface	32 Channel Audio Input / Output
• ULTRANET P-16 Connector (No Power Supplied)	1
• MIDI Inputs / Outputs	1
• USB Type A (Audio and Data Import / Export)	1
• USB Type B, rear panel, for remote control	1
• Ethernet, RJ45, rear panel, for remote control	1

Mic Input Characteristics

• Design	MIDAS PRO Series
• THD+N (0 dB gain, 0 dBu output)	<0.01% (unweighted)
• THD+N (+40 dB gain, 0 dBu to +20 dBu output)	<0.03% (unweighted)
• Input Impedance (Unbalanced / Balanced)	10 kΩ / 10 kΩ
• Non-Clip Maximum Input Level	+23 dBu



MIDAS M32

Technical Specifications

- | | |
|---|------------------------------------|
| • Phantom Power (Switchable per Input) | +48 V |
| • Equivalent Input Noise @ +45 dB gain (150 ? source) | -125 dB (22 Hz-22 kHz, unweighted) |
| • CMRR @ Unity Gain (Typical) | >70 dB |
| • CMRR @ 40 dB Gain (Typical) | >90 dB |

Input/Output Characteristics

- | | |
|---|-----------------------------------|
| • Frequency Response @ 48 kHz Sample Rate | 0 dB to -1 dB (20 Hz-20 kHz) |
| • Dynamic Range, Analogue In to Analogue Out | 106 dB (22 Hz-22 kHz, unweighted) |
| • A/D Dynamic Range, Preamplifier and Converter (Typical) | 109 dB (22 Hz-22 kHz, unweighted) |
| • D/A Dynamic Range, Converter and Output (Typical) | 109 dB (22 Hz-22 kHz, unweighted) |
| • Crosstalk Rejection @ 1 kHz, Adjacent Channels | 100 dB |
| • Output level, XLR Connectors (Nominal / Maximum) | +4 dBu / +21 dBu |
| • Output Impedance, XLR Connectors (Unbalanced / Balanced) | 50 O / 50 O |
| • Input impedance, TRS Connectors (Unbalanced / Balanced) | 20 kO / 40 kO |
| • Non-Clip Maximum Input Level, TRS Connectors | +21 dBu |
| • Output Level, TRS (Nominal / Maximum) | +4 dBu / +21 dBu |
| • Output Impedance, TRS (Unbalanced / Balanced) | 50 O / 50 O |
| • Phones Output Impedance / Maximum output Level | 40 O / +21 dBu (Stereo) |
| • Residual Noise Level, Out 1-16 XLR Connectors, Unity Gain | -85 dBu 22 Hz-22 kHz unweighted |
| • Residual Noise Level, Out 1-16 XLR Connectors, Muted | -88 dBu 22 Hz-22 kHz unweighted |
| • Residual Noise Level, TRS and Monitor out XLR Connector | -83 dBu 22 Hz-22 kHz unweighted |

Display

- | | |
|----------------------|--|
| • Main Screen | 7" TFT LCD, 800 x 480 Resolution, 262k Colours |
| • Channel LCD Screen | 128 x 64 LCD with RGB Colour Backlight |
| • Main Meter | 24 Segment (-57 dB to Clip) |

Power

- | | |
|----------------------------|---|
| • Switch-Mode Power Supply | Auto-Ranging 100-240 VAC (50/60 Hz) $\pm$ 10% |
| • Power Consumption | 120 W |

Physical

- | | |
|--|--|
| • Standard Operating Temperature Range | 5°C – 40°C (41°F – 104°F) |
| • Dimensions | 891 x 612 x 256 mm (35.1 x 24.1 x 10.1") |
| • Weight | 25 kg (55 lbs) |



YAMAHA DM7

Technical Specifications

Local Connectors

• Analog Input	32
• Analog Output	16
• Dante I/O	Primary / Secondary
• AES/EBU Input	2 (4ch)
• AES/EBU Output	2 (4ch) with SRC
• Expansion Slot (PY Slot)	1
• Word Clock I/O	In / Out
• MIDI I/O	No (MIDI protocol supported on USB to HOST)
• GPI	5 in / 5 out
• USB	2 (File Save / Load, 2 Track Rec / Play)
• USB to Host	1 (USB Type-C, USB2.0)
• Ethernet	Yes
• Meter Bridge	On screen
• Lamp	0 (Built-in LED Strip Light)
• Video Out	No
• TC In	Yes
• Phones	1
• AC Inlet	2 (V-Lock Type)
• External Redundant	PSU Built-in dual power supply

General specifications

• Mixing capacity	120 Inputs, 48 Mix + 12 Matrix + 2 Stereo
• Sampling frequency	External clock frequency range 48 kHz / 96 kHz ±200 ppm Internal clock frequency 48 kHz / 96 kHz
• Signal delay	Less than 1.5 ms, INPUT to OMNI OUT @Fs=96 kHz
• Screens	12.1" multi-touch screen × 2, 7" multi-touch screen × 1
• Fader	100 mm touch-sensitive motorized fader × 28
• Power requirements	100-240 V, 50/60 Hz
• Power consumption	240 W
• Dimensions (W × H × D)	793 mm × 324 mm × 564 mm (31.3" x 12.8" x 22.2") including the rubber feet
• Weight	23.5 kg (51.8 lbs)
• NC value *1	Fan Speed Low NC=20 Fan Speed High NC=30