

Eos 24.6

large-format 24 channel live Mixer

DESCRIPTION :

The SM Professional Eos 24.6 is a large-format 24 channel live mixing console.

Featuring 24 XLR inputs, 6 Aux sends, 4 subgroups, multiple music playback options, advanced routing and more, the mixing console is ideal for live, front-of-house, touring, and complex installation applications in large venues.



FEATURES :

- 24 Channels: 24 Mic / 28 Line Inputs.
- MON:ter (Mono-Stereo) Inputs for Full Flexibility
- Ultra low-noise preamps with wide headroom and dynamic range.
- 75Hz low cut on mono channels.
- 4-Band EQ on all Inputs.
- 6 Aux Sends - 4 Pre/Post and 2 Post.
- 4 Sub Groups with Individual ¼" Outputs.
- Insert (Send/Return) On the First 8 Mono Channels and Main Output.
- Split Global Switched +48V Phantom Power Supply (6 Groups of 4 Channels Each).
- Responsive Large 100mm Faders for Easy Mixing.
- One Knob Compressor on Channels 1-8.
- Dual Multi-EFX Processor with 24 DSP Presets And Editable Parameters.
- Provisions to Route EFX to Monitor via 4 Aux Buses.
- USB audio interface with plug & play connectivity for recording and playback using a PC.
- USB Type C Mobile Media Player and Audio Interface
- USB MP3 Media Player & RECORDER with Bluetooth.
- Level Control, 2-band EQ with Internal/External Media Input Selection.
- Stereo AUX Returns.
- Balanced XLR and ¼" Jack Main Outputs.
- Mute, Solo, Group and Main (L-R) routing per Channel.
- Illuminated Mute & PFL (Solo) Switches.
- Additional Talkback Microphone Input.
- Stereo RCA Input and Record Output.
- Headphone Output with Level Control.
- 7-Band Stereo Graphic Equalizers.
- Dual Assignable 10-Segment LED Meters.

FEATURES :

- Ergonomically Angled Design for Better Visibility.
- Clutter-free Rear Panel Input and Output Connectivity.

SPECIFICATIONS :

Series	Eos Series
Nominal Gain (Mic / Line / Stereo Line)	60dB / 40dB / 20dB
Max Gain (Mic / Line / Stereo Line)	80dB / 60dB / 40dB
Mic (Gain Min / Gain Max)	-10dBu / -60dBu
Line (Gain Min / Gain Max)	+10dBu / -40dBu
Stereo Line (Gain Min / Gain Max)	+10dBu / -20dBu
Aux Return (Nominal / Max)	-10dBu / +30dBu
Main Output (Nominal / Max)	0dBu (0.775V RMS) / +20dBu (7.75V RMS) Max
Insert In/Out (Nominal / Max)	0dBu (0.775V RMS) / +20dBu (7.75V RMS) Max
Mono MIC (Hi / Hi-Mid / Low-Mid / Low)	±15dB @ 12kHz / 2.5kHz / 400Hz / 80Hz
Stereo Line (Hi / Hi-Mid / Low-Mid / Low)	±15dB @ 12kHz / 2.5kHz / 400Hz / 80Hz
Mic Input Impedance	5 KOhm Balanced
Line Input Impedance	20KOhm Balanced / 10KOhm Unbalanced

Frequency Response	20Hz-20kHz (+0 / -1dB)
Total Harmonic Distortion	< 0.02%
MIC EIN (Equivalent Input Noise)	-128dB
Main Out/Group Out	-80dB
Dimensions (W x D x H) mm	940 x 540 x 170
Net Weight (Kg)	14

Specifications from the official SM Professional literature. Issued for customer reference.