

MQ6FX

Compact 6-channel mixer with FX



Description

MQ is a series of mixers created by PROEL to offer in a very compact and stylish package a high input density, a full set of features and a superior audio quality, at a very convenient price point. The MQ series includes 5 models with 6, 10, 12 and 16 inputs, able to satisfy most of the sound reinforcement applications. Carefully designed and engineered in Italy by PROEL R&D, MQ mixers are hosted in ultra-rugged cases, providing extended durability for a stage-proof use.

The smallest models of the series, MQ6 and MQ6FX, offer in an ultra-compact format the performance of professional consoles, delivering a clean and accurate sound. The MQ6FX, despite its small size, includes a high-quality 24-bit DSP able to provide musicians and performers with studio-grade effects.

MQ10FX, together with 3-band EQ and one-knob intelligent COMPRESSORS, offers also 100 DSP presets with a convenient LED display for the selection.

MQ12USB additional features include an USB audio I/O interface and extended mixing capability with MONITOR send, STEREO GROUP bus and 45mm control faders.

The top-of-the-line MQ16USB feature 16 inputs and 12 microphone channels together with sweep mids and one-knob intelligent COMPRESSORS on mono channels, 4 AUX sends, STEREO GROUP bus and 60mm control faders.

Optional padded carrying bags and metal brackets for 19 rack mounting are available for selected models.

Ultra- compact 6-input 2-bus mixer with effect

4 MONO MIC/LINE inputs with 2-band EQ, LO-CUT filter and PHANTOM power

2 low-noise, very high-headroom microphone preamplifiers

2 STEREO LINE inputs

1 EFFECT send

24bit studio-grade digital effect with 16 presets

HEADPHONES output

Electronically balanced MAIN MIX outputs with XLR-M and 1/4 JACK connectors

Two 4-LED VU-METERS

Stage-proof construction and ultra-rugged metal chassis

Designed and engineered in Italy by PROEL

Technical Specifications MQ6FX

MONO INPUT CHANNEL

Mic Input sensitivity from -10 to -50 dB Balanced XLR-F

impedance 2 Kohm

Line Input sensitivity from +20 to -20 dB Balanced JACK

impedance 10 Kohm

Lo cut 75 Hz, 18 dB/oct.

EQ HIGH (shelving) ± 15 dB @ 12 kHz

LOW (shelving) ± 15 dB @ 80 Hz

STEREO INPUT CHANNEL

Line Input sensitivity -10 dB Balanced JACK

impedance 10 Kohm

MASTER SECTION

MAIN MIX nom. out level $+4$ dBu Balanced JACK and XLR-M

HEADPHONES min. impedance 32 ohm

max. out level (2x) 193 mW Stereo JACK

DIGITAL EFFECT PROCESSOR

Effects 16 presets

A/D and D/A converters 24 bit

DSP resolution 24 bit

Controls ROTARY SELECTOR, PEAK LED, MUTE switch

GENERAL SPECIFICATIONS

Maximum level all outputs $+22$ dBu

Crosstalk meas. at 1 kHz > 82 dBu

HUM & Noise unweighted

THD + Noise at $+4$ dB, 1 kHz

Dimensions (W x H x D) 162 x 210 x 51 mm

Weight 1,00 kg

POWER REQUIREMENTS

Supply 18 VAC 1000 mA - use only supplied AC/AC ADAPTER

Mains Supply Voltage 110-120 VAC ($\pm 10\%$) 50 / 60 Hz (US plug)

230-240 VAC ($\pm 10\%$) 50 / 60 Hz (EU plug)

240 VAC ($\pm 10\%$) 50 / 60 Hz (UK plug)

Consumption 34 W