

MQ16USB

16-channel compact mixer with FX and USB



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.

Compact 16-input 4-bus mixer with effect and USB I/F

8 MONO MIC/LINE inputs and 4 STEREO MIC/LINE inputs

12 low-noise, very high-headroom microphone preamplifiers

PHANTOM power

'One-knob' COMPRESSOR with LED indicator on MONO channels

3-band EQ with sweep mids and LO-CUT filter

3 AUX sends pre-fader e 1 AUX send post-fader

24bit studio-grade digital effect with 100 presets, 2-digit display and footswitch MUTE

Built-in USB interface with routing options for PC recording and playback

GROUP 1&2 with MIX routing and output

2-TRACK, HEADPHONES and CONTROL ROOM outputs

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

Two 12-LED VU-METERS



Universal switching power supply 100-250V
Stage-proof construction and ultra-rugged metal chassis
Designed and engineered in Italy by PROEL

Technical Specifications MQ16USB

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

MID (peaking) ± 15 dB from 100 Hz to 8 kHz

LOW (shelving) ± 15 dB @ 80 Hz

Compressor FetCH 1-8, 1-knob

STEREO 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

EQ HIGH (shelving) ± 15 dB @ 12 KHz

MID (peaking) ± 15 dB @ 2.5 KHz

LOW (shelving) ± 15 dB @ 80 Hz

MASTER SECTION

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

C. ROOM output nom. out level 0 dBu Unbalanced JACK

GROUP output nom. out level $+4$ dBu Balanced JACK

FX/AUX output nom. out level 0 dBu Unbalanced JACK

2TRK nom. out level 0 dBu Unbalanced RCA

nom. in level 0 dBu Unbalanced RCA

HEADPHONES min. impedance 32 ohm

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

USB Stereo IN/OUT, 16-bit converter, 48 KHz sample rate Type B

DIGITAL EFFECT PROCESSOR

Effects 100 presets

A/D and D/A converters 24 bit

DSP resolution 24 bit

Controls 2-DIGIT display, DIAL, PEAK LED, MUTE switch, MUTE footswitch

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 (WxHxD) 481 x 432 x 104 mm





Weight 6,50 kg

POWER REQUIREMENTS

Mains Supply Voltage 110-240 VAC (+-10%) 50 / 60 Hz available with

Europe mains cord (Shucko plug)

US mains cord (NEMA 5-15P plug)

UK mains cord (BS1363 plug)

Consumption 35 W

