

# M-16DX

## 16-Channel Digital Mixer



### High-Resolution Mixing with Powerful Effects & Graphics

The new MD-16DX is a treat for your eyes and ears. Hear your mixes in a pristine 24-bit/96kHz digital environment, and see your audio displayed on a high-contrast, backlit LCD that displays a spectrum analysis of your mix. Together with powerful effects onboard, an intelligent Room Acoustic Control function, and loads of digital and analog connectivity, the M-16DX signals a new era in digital mixing.



I/O Module

Mix Controller



- 16-channel full digital mixer with 24-bit/96kHz internal processing
- 3-band EQ controls (Q & Freq.) with graphic LCD for precise tone shaping
- Easy-to-use operation with common analog mixer controls
- 2-piece mixer+module design
- "Room Acoustic Control" for automatic room compensation
- Built-in pro-quality effects, including COSM insert effects, reverb effects, and finalize effects
- Flexible analog and digital I/O, including four high-quality mic preamps
- 18-in/2-out USB 2.0 audio interface for computer multi-track recording
- AC adaptor and connection cable (2 meter, 6 ft.) included
- Cakewalk SONAR LE CD-ROM included

\*Actual product appearance may be subject to change.

### 24/96 Full Digital Audio Processing

Ready to upgrade the quality of your mixes? The M-16DX contains a powerful 24-bit/96kHz digital processing engine that provides a transparent mixing foundation. Experience the power of accurate, detailed digital mixing, and at a price you can afford.

### 3-band EQ Controls

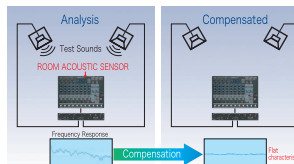
Each channel strip is equipped with Low-Cut Filter, 3-Band EQ, Pan, Aux, Select, Solo/Mute, and Level controls. The Midrange EQ has Q & frequency controls for precise tone shaping on each channel. With 24-bit/96kHz internal digital processing, the original audio source can be shaped using the onboard EQ and effects with no absolutely loss in audio quality.

### Modular Mixing

Don't let its small footprint deceive you — the M-16DX is a new-generation mixer comprising two modules: the Mix Controller for your desktop, and the I/O Module, which can be mounted in a rack. Together, these two components provide a wide assortment of connection and processing features.

### EDIROL Innovation — "Room Acoustic Control"

In a portable mixing first, the M-16DX features a high-contrast, backlit LCD that lets you to see the effects in operation, as well as a spectrum analysis of your mix! Also onboard is the intelligent Room Acoustic Control function, which automatically analyzes and compensates for the frequency response of your studio. It's fast, easy, and effective.



### Powerful Built-In Effects

A full-featured DSP effects processor is built into the M-16DX, with COSM Insert Effects, Reverb/Echo Effects, and Finalize Effects.

### Flexible I/O & 18-in/2-out USB 2.0 Audio Interface

Digital and analog connectivity — it's all here, and more. Channels 1 - 4 contain quality mic preamps with phantom power; channels 1 and 2 also offer Hi-Z switches for directly connecting guitar and bass. Channels 11 and 12 provide direct digital input via S/PDIF coaxial & optical. A USB 2.0 port allows the mixer to work as a multitrack audio interface.

\* When using the mixer as a USB audio interface, the Finalize Effects are not available in 96kHz mode.



- Option  
DXC-7: Connection Cable (7 m, 23 ft.)



### I/O Module Front Panel



### Rear Panel



### Mix Controller Rear Panel



\*RAC SOURCE = Room Acoustic Control Source

### M-16DX Specifications

■ **Number of Input Channels** 16 ■ **AD/DA Conversion** Sample Rate: 44.1/48.0/96.0 kHz, Signal Processing: 24 bits ■ **Frequency Response** 96.0 kHz: 20 Hz to 40 kHz (+3/-3 dB), 48.0 kHz: 20 Hz to 22 kHz (+3/-3 dB), 44.1 kHz: 20 Hz to 20 kHz (+3/-3 dB) ■ **Nominal Input Level** Mic Input Jacks 1-4: -40 to -10 dBu, Input Jacks 1-4: -40 to +10 dBu, Input Jacks 5-16: 0 dBu, Input Jacks 15-16 (RCA pin type, Stereo miniature phone type): -10 dBu ■ **Input Impedance** Mic Input Jacks 1-4: 1.5 k $\Omega$ , Input Jacks 1-4: 20 k $\Omega$ , Input Jacks 5-16: 20 k $\Omega$ , Input Jacks 15-16 (Stereo miniature phone type): 14 k $\Omega$  ■ **Nominal Output Level** Main Output Jack / Alt Output Jack / AUX Send Jack 1-2: +10 dBu, 2-Track Output Jack L-R: +10 dBu, Control Room Output Jack: -6 dBu ■ **Maximum output level:** Nominal Output Level + 22 dB ■ **Output Impedance** Main Output Jack / Alt Output Jack / AUX Send Jack 1-2: 600  $\Omega$ , 2-Track Output Jack L-R: 1 k $\Omega$  ■ **Display** Graphic LCD 122 x 32 dot (with back-light) ■ **Connectors** <I/O module> Mic Input Jacks 1-4: XLR type (balanced) / phantom power +48 V), Input Jacks 1-4: 1/4 inch TRS phone type (balanced), Input Jacks 15-16: RCA pin type, Main Output Jack L-R: 1/4 inch TRS phone type (balanced), Alt Output Jack L-R: 1/4 inch TRS phone type (balanced), AUX Send Jack 1-2: 1/4 inch TRS phone type (balanced), 2-Track Output Jack L-R: RCA pin type, Digital Input Connector: Optical type, Coaxial type, Digital Output Connector: Optical type, Coaxial type, DX BUS Connector (D-SUB 15 pin), USB Connector <MIX Controller> Input Jack 15-16: 1/4 inch phone type (unbalanced), Stereo miniature phone type, Headphones Jack (Stereo 1/4 inch phone type), Control Room Output Jack L-R: 1/4 inch phone type (impedance balanced), DX BUS Connector (D-SUB 15 pin) ■ **DSP processing** Room Acoustic Control (Built-in Microphone), 16 Band Graphic EQ, Finalize: Enhancer/Multi-band Compressor-Limiter, Insertion effects: Power compressor/Vocal enhancer/Narration enhancer, Reverb/Echo: Echo/Space echo/Room reverb/Small hall reverb/large hall reverb ■ **Power Supply** DC 9 V (AC adaptor) ■ **Phantom Power** +48 V / 5 mA (each input) ■ **Dimensions** <I/O module> 280.0 (W) x 219.0 (D) x 44.0 (H) mm / 11-1/16 (W) x 8-5/8 (D) x 1-3/4 (H) inches <MIX Controller> 311.0 (W) x 215.9 (D) x 45.9 (H) mm / 12-1/4 (W) x 8-1/2 (D) x 1-13/16 (H) inches ■ **Weight** <I/O module> 1.6 kg / 3 lbs 9 oz <MIX Controller> 1.2 kg / 2 lbs 11 oz ■ **Accessories** Owner's Manual, Control cable (D-SUB 15 pin, 2 m), Diver CD-ROM, SONAR LE CD-ROM, AC Adaptor, Rack-mount adaptor

\* 0 dBu= 0.775 Vrms

\* The specifications are subject to change without notice.