of audio devices. The USB 2.0 output allows for direct connection to a Macintosh® or Windows® PC for audio input to software applications. The balanced analog output provides a line-level signal which can be connected to a line-level input of most conventional audio devices. Both the USB and analog outputs pass the same audio content and can be used simultaneously.

Integrator Friendly Enclosure

The MMX-6-USB features the Crestron Integrator Friendly Enclosure (IFE) that enables a variety of installation options. Multiple IFE compliant devices can be stacked together. Surface, wall, and DIN rail mounting are all supported using the included hardware. The RMK-IFE-1U mounting kit is also available to mount multiple IFE devices in a 1RU rack space (sold separately). All controls on the unit are screwdriver adjustable to prevent accidental changes to the settings after initial configuration.

- *6-channel microphone mixer*
- *Stereo USB 2.0 output*
- *Stereo balanced line-level analog output*
- *48V phantom power available per input channel*
- *Output bus routing selectable per input channel*
- *Selectable 100 Hz low-cut output filter*
- *Compact, stackable IFE medium form factor*
- *Surface or DIN rail mountable using included bracket*
- *Rack mountable using RMK-IFE-1U (sold separately)*
- *Screwdriver adjustable controls*
- *External 100-240V universal power pack included*

The MMX-6-USB 6-channel stereo microphone mixer is designed to connect up to six dynamic or condenser microphones to a USB 2.0 audio system. A line-level output is also available to allow the mixer to be used as a microphone preamp for audio devices without microphone-level inputs. Its compact form factor facilitates flexible installation, with surface, wall, and DIN rail mounting options all supported via included hardware. Rack mounting is also supported via an optional mounting kit (sold separately).

Microphone Mixing

To support compatibility with condenser microphones, the MMX-6-USB features 48V phantom power on each of its individually selectable six microphone inputs. Each input and output has a 90 dB level adjustment range. Individual inputs may be assigned to one or both channels of the mixer's stereo output. The built-in low-cut filter can be enabled at the output to reduce low frequency noise below 100 Hz.

USB and Analog Outputs

The MMX-6-USB features both stereo USB 2.0 and analog line-level outputs to support compatibility with a broad range

Specifications

Audio

Sampling Rate and Bit Depth	48 kHz, 16-bit
Frequency Response	20 Hz to 20 kHz ±0.5 dB
S/N Ratio	100 dB (single channel @ 0 dB level settings)
THD+N	<-100 dB
Channel Separation	>70 dB

Communications

USB	USB 2.0 device for connection to a codec or a PC

Connectors

12VDC 0.5A	(1) 2.5 x 2.5 mm DC power connector; 12VDC power input; PW-1215WU power pack included
G	(1) 4-40 screw, chassis ground lug
USB	(1) USB Type Mini-B 5-pin, female; USB 2.0 device port; 15 ft (5 m) Type Mini-B 5-pin male to Type A male cable included
AUDIO OUTPUT, L/R	(1) 5-pin 3.5 mm detachable terminal block; Balanced/unbalanced stereo line-level audio output; Output Impedance: 200 Ω balanced, 100 Ω unbalanced; Maximum Output Level: 7.75 Vrms (+20 dBu) balanced, 3.88 Vrms (+14 dBu) unbalanced

INPUT 1 - 6	(6) 3-pin 3.5 mm detachable terminal blocks; Comprises (6) balanced microphone audio inputs; Input Level: 0.008 Vrms (-40 dBu) nominal, 0.775 Vrms (0 dBu) maximum; Input Impedance: 2 kΩ balanced, 1 kΩ unbalanced; Phantom Power: 48VDC, selectable per channel

Controls and Indicators

BUS ASSIGN L/+/R	(6) screwdriver selectable 3-position slide switches; Routes the corresponding input to the left (L), right (R), or both (+) output busses
1 - 6 Level	(6) screwdriver adjustable rotary controls; Adjusts the signal level for the corresponding input; Adjustment Range: -80 to +10 dB
1 - 6 Signal	(6) bi-color green/red LEDs; Each indicates post-fader signal presence (green) or clipping (red); Onset of red indicates a signal level within -2 dB of full scale, while full red brightness indicates signal has reached full scale
LOW CUT	(1) screwdriver selectable 2-position slide switch; Enables or disables built-in 100 Hz low-cut output filter
MASTER Level	(1) screwdriver adjustable rotary control; Adjusts output signal level; Adjustment Range: -80 to +10 dB
MASTER Signal	(1) bi-color green/red LED; Indicates post-fader signal presence (green) or clipping (red); Onset of red indicates a signal level within -2 dB of full scale, while full red brightness indicates signal has reached full scale
PWR	(1) green LED; Indicates operating power supplied via the external power pack
PHANTOM POWER 1 - 6 Switches	(6) screwdriver selectable 2-position slide switches; Enables or disables phantom power for the corresponding input
PHANTOM POWER 1 - 6 Indicators	(6) red LEDs; Indicates phantom power is enabled for the corresponding input

Power Requirements

Power Pack	0.5A @ 12VDC; 100-240VAC, 50/60 Hz power pack, model PW-1215WU included

Environmental

Temperature	41° to 113°F (5° to 45°C)
Humidity	10% to 90% RH (noncondensing)

Construction

Enclosure	IFE Medium form factor, black and blue plastic
Mounting	Freestanding, stackable, surface mount, or 35 mm DIN EN 60715 rail mount; Surface/DIN rail mounting bracket included; Optional rack mounting kit (RMK-IFE-1U) sold separately

Dimensions

Height	1.37 in. (35 mm); 1.78 in. (46 mm) with bracket
Width	7.01 in. (178 mm); 7.35 in. (187 mm) with bracket
Depth	7.01 in. (178 mm);

Weight

1.2 lb (545 g)

Compliance

Regulatory Model: MMX-6-USB

Models

MMX-6-USB
6-Channel USB Microphone Mixer

Included Accessories

PW-1215WU
Wall Mount Power Pack 12VDC, 1.5A, Universal

Available Accessories

For a list of available accessories, visit the MMX-6-USB product page.

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/How-To-Buy/Find-a-Representative or contact us for additional information by visiting www.crestron.com/contact/our-locations for your local contact.

The original language version of this document is U.S. English. All other languages are a translation of the original document.

The product warranty can be found at www.crestron.com/warranty.

The specific patents that cover Crestron products are listed online at www.crestron.com/legal/patents.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

Rev 10/24/23

6-Channel USB Microphone Mixer

7.01 in.
(178 mm)

7.01 in.
(178 mm)

1.37 in.
(35 mm)

BUS ASSIGN   LOW CUT   MASTER

CRESTRON   MMX-6-USB