

**MIX-16 CENTRAL
MIXER / DISTRIBUTOR UNIT**

**FEATURE
OVERVIEW**

Supplies mix data and power to connected personal monitors

Single CAT5e/CAT6 cable connection to network or AD-24

Each MIX-16 port supports two discrete mixes

MIX-16 supports up to 16 mixes

Compact 1U rack space



The MIX-16 is the central mixer for the Livemix personal monitoring system. The MIX-16 supplies mix streams as well as power to each of the connected personal mixers.

The MIX-16 will generally be placed near the personal mixers, likely in a rack near the stage. The MIX-16 receives input data over a network cable, either from the AD-24 (shielded required) or a Dante network via the LM-DANTE-EXP Dante card.

Each port on the MIX-16 supports two discrete mixes. Connect a single CS-DUO or up to two CS-SOLOs to each port with standard network cable. Maximum combined CAT5e cable (shielded recommended) distance is 100 meters to personal mixers.

MIX-16/32

Max Cable Length to CS-SOLO/CS-DUO 100m CAT5e cable (shielded recommended)

Max Cable Length to AD-24/DA-816 100m CAT5e cable (shielded required)

Bit Rate 24-Bit Digital Mixing and Processing

Sample Rate 48 kHz

USB Output 16-bit / 48 kHz Stereo

Digital Format Proprietary in system

Expansion Input option card slot

Dimensions 19" (483mm) W
10.25" (260mm) D
1U, 1.75" (44mm) H

Weight 5.5 lbs (2.49kg)

WHOLE SYSTEM

	.03% (100mW, 22Ω)
THD+N (18 dBu 1kHz input)	.014% (100mW, into 32Ω)
	.005% (100mW, into 64Ω)
	.003% (100mW, into 300Ω)
S/N Ratio	103dB
Frequency Response	20Hz-22 kHz ± 3dB
Crosstalk (Left to Right)	-103 dB
Latency	1.5 ms

FOR ORDERS CONTACT:

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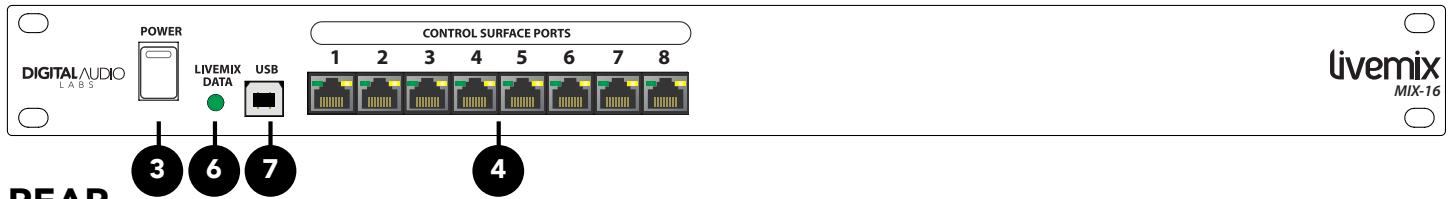
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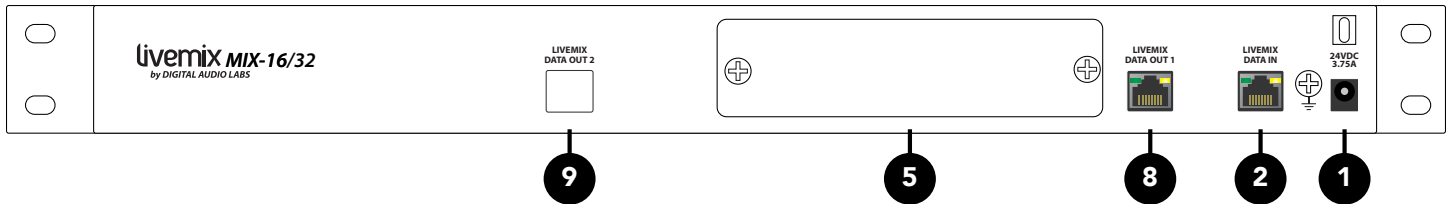
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FRONT



REAR



- EXTERNAL POWER SUPPLY CONNECTOR:** Connect to included external power supply.
- LIVEMIX DATA IN:** Connect a shielded CAT5e cable from Livemix Data Out on the AD-24 to Livemix Data In. Unused with Option Card.
- POWER SWITCH:** Turns power on to unit and attached personal mixers.
- CONTROL SURFACE PORTS:** Each port supplies two mixes with power and audio to connected personal mixers (either two CS-SOLOs or one CS-DUO). Maximum combined CAT5e cable (shielded recommended) distance is 100 meters to personal mixers. *MIX-32 includes 8 additional ports.*
- OPTION CARD BAY:** This bay is used to provide access to alternate input formats.
- LIVEMIX DATA LED:** This LED indicates audio data is present.
- USB PORT:** The USB port connects to a Windows PC for firmware updates.
- LIVEMIX DATA OUT 1:** This port connects to the DA-816 output unit.
- LIVEMIX DATA OUT 2 (MIX-32 ONLY):** This port connects to a second DA-816 output unit.

CONNECTING THE MIX-16 TO CS-SOLO/CS-DUO PERSONAL MIXER

