

PORTABLE MIXERS

FMX-42



Having 4 Balanced XLR line/mic inputs with individual level and pan controls, the FMX-42 provides switchable (per channel) 48V phantom power and limiting, professional quality VU meters for accurate level setting, master level control, 1k tone generator, 2 Balanced XLR outputs (line/mic switchable), stereo mini jack output for DV cams, and a headphone monitor with level control.



It can be powered by either six internal "AA" batteries or a 12V external supply (optional). The pictured ballistic nylon case is included.



INPUTS



OUTPUTS

FMX-32



A low-noise 3-channel portable mixer designed for use by professional videographers, the FMX-32 connects easily to the video camera's "MIC" input via the mixer's balanced XLR outputs or its 3.5mm unbalanced stereo output. Each mic input has switchable phantom power (48V DC).

FEATURES:

- 3 Balanced XLR inputs w/individual level controls
- Phantom Power with On/Off switch for each input (48V)
- 2 Balanced XLR outputs
- 5-Step LED output level indicator
- Selectable output configurations
- Stereo mini-jack output for DV cameras
- Headphone Output (stereo or mono) w/level control
- 3-position Power Switch with Power On/Low Battery LED
- Operates for 15 hours on 6 "AA" batteries (not supplied)
- DC Input for optional external power supply
- Built-in Limiter with On/Off switch to prevent overload
- Dimensions: 6.69" (L)x4.33" (D)x1.96" (H)



FMX-20

A portable 2-channel mixer designed for use by the professional videographer, the small (3.75" x 1.625" X 5"), all metal, battery operated (9V) mixer can be attached directly to the camera with supplied hook-and-loop fastener or belt-worn using the 3-position belt clip. The FMX-20 has the following features: enhanced circuitry for an improved signal-to-noise ratio, a 3-step LED array for easy signal monitoring, a 12V DC input for external power, a switchable input limiter to reduce the possibility of overload distortion, and a channel-addressable 1/4" monitor headphone jack with level control, 2 balanced XLR mic inputs, 2 channel-addressable XLR line-level outputs with level controls, a stereo mini-jack (3.5mm) line-level output and a POWER On/Off/Low Battery LED indicator.



Specifications*

FMX-20

Frequency Response

Main and Unbalanced Output: 40-17,000Hz (-3dB)

Monitor Output: 50-17,000Hz (-3dB)

Noise Level

Mic (-50): -55dB

Line (+0): -57dB

T.H.D.: 0.15% @ 1KHz

MIC Input Level: -50dBu Electronic Balanced

MIC Output Level: 50dBu Switchable Balanced

Unbalanced Output: -50dBu 3.5mm Stereo

Monitor Output (3.5mm Stereo)

(Max Load 16 ohm): -18dBu

Main Output

0.5dBu - 600 ohm load 0dBu ref @ 0.775Vrms

0.5dBu - 1k ohm load 0dBu ref @ 0.775Vrms

Unbalanced Output -32dBu - 600-1k ohm load 0dBu ref @ 0.775Vrms

Battery Type/Duration: 9-Volt Alkaline (006p type); 6 Hours

Current Draw: 38mA nominal - 50mA maximum

Size: 42H x 130W x 103D mm (1.65 x 5.1 x 4.05 inches)

FMX-32

Frequency Response

Main and Unbalanced Output: 40-17,000Hz (-3dB)

Monitor Output: 50-17,000Hz (-3dB)

Noise Level

Left & Right Channel: -114dBu (A weighted, Input Equivalent Level)

T.H.D.: less than 0.05% @ 1KHz (+10dBu output)

MIC Input Level: -50dBu Electronic Balanced

Balanced Output Level

Electronic Balanced: -0dBu (100k ohm load)

-6.5dBu (600 ohm load)

Unbalanced: -50dBu (100k ohm load) 3.5mm Stereo

Monitor Output: -4dBu (32 ohm load) 3.5mm Stereo

Maximum Output Level

Balanced Output: +14dBu (100k ohm load)

+6.5dBu (600 ohm load)

Unbalanced Output: -36dBu (100k ohm load)

Battery Type/Duration: 6-"AA" Alkaline - 15 hours

Current Drain: 47mA nominal (Phantom Power Off)

100mA maximum (Phantom Power On)

Phantom Power Voltage: 48VDC (+/- 4VDC)

Size: 50H x 170W x 110D mm (1.96 x 6.69 x 4.33 inches)

Weight w/o Battery: 27.9 ounces (791 grams)

FMX 42

Frequency Response

Balanced and Unbalanced Output: 20 Hz - 30 kHz (\pm 1.5 dB)

Monitor Output: 30 Hz - 30 kHz (\pm 2 dB)

Signal-To-Noise

Balanced Output: -120 dBu (A weighted, Input Equivalent Level)

T.H.D. Balanced Output: <0.005% @ 1 kHz (@ LINE position +19 dBu output)

Phantom Power Voltage: 48V (\pm 4V)

Power

Battery Requirement: 6 Alkaline "AA"

Battery Runtime: Approx. 10 hours (Meter Illum. OFF/Phantom OFF)

External Power: 12VDC @ 200 mA

Current Drain: 155 mA (Meter Illum. OFF/Phantom OFF - @ 9V)

195 mA (Meter Illum. OFF/Phantom ON w/2-SGM-1000 - @ 9V)

Dimensions: 56H x 220W x 150.5D mm (without protrusions)

1.968H x 8.6614W x 5.9055D inches (without protrusions)

Weight: 1400 g (without batteries) 49.3835 oz (without batteries)

Balanced Input: XLR 3-pin x 4 (CH1, 2, 3 and 4)

Level

Line Input

Standard: +4 dBu (electronically balanced)

Maximum: > +26 dBu

Mic (-30 position)

Standard: -30 dBu (electronically balanced)

Maximum: +4 dBu

Mic (-50 position)

Standard: -50 dBu (electronically balanced)

Maximum: -11 dBu

Impedance

Line: 20 k ohm

Mic: 2 k ohm

High Pass Filter (HPF): 100 Hz - 6 dB/oct

Balanced Output:

XLR 3-pin x 2 (Output L and R)

Unbalanced Output: 3.5 mm (1/8") Stereo mini-jack

Monitor Output: 6.5 mm (1/4") Stereo jack

Level

Balanced Output

Standard: +4 dBu (> 10 k ohm load)

-2 dBu (600 ohm load)

Maximum: +20 dBu (>10 k ohm load)

+13 dBu (600 ohm load)

Unbalanced Output

Standard: -36 dBu (> 10 k ohm load)

Maximum: -20 dBu (> 10 k ohm load)

Tone Generator:

1 kHz @ +4 dBu

Max Monitor Out:

+1 dBu (32 ohm load)

16-100 ohm load recommended

Output Impedance

Balanced: 600 ohm

Unbalanced: 120 ohm

Meters

Standard Output Level: 0 VU (+4 dBu)

* Due to constant improvements, specifications are subject to change without notice.



Azden Corp., P.O. Box 10, Franklin Square, NY 11010

tel: 516.328.7500 • fax: 516.328.7506

email: azdenus@azdencorp.com • web: www.azdencorp.com