

# CLASSIC MIXERS

*With A Twist*



**AZDEN®**  
*Handcrafted in Japan*

## The AZDEN **FMX-42a** & **FMX-42u** 4 Channel Portable Audio Mixers

For those who demand the best in performance, portability and features, AZDEN has rounded out its FMX-42 mixer line. Now featuring the AZDEN FMX-42a and the FMX-42u, sound engineers, audio professionals and the like have a slew of useful options and features at their disposal. Keeping up to date with current trends in technology, the AZDEN FMX-42 Series audio mixers will provide users with the versatility they need to get the job done. So whether you are in the field or in a studio, AZDEN has an audio mixer option that best suits YOU!

The AZDEN FMX-42a has long been regarded as the very reliable work horse, providing an extremely quiet and clean signal to your cameras, while also being very portable and user-friendly. With the included 10-pin Hirose connector, the user has the ability to either receive the audio from the camera for monitoring the final sound or send the signal to another camera or external recorder, thus negating the need for a second mixer. The FMX-42u, new to the AZDEN lineup, provides the user with a USB stereo digital audio output, so the user can take advantage of a super quiet mixer and a low noise digital signal to send a backup stereo track to another device such as an iOS/Android phone/tablet or laptop.

Clean audio is a given with either FMX-42, it's your choice which flavor you should get!

### HIGHLIGHTS

- 4 balanced XLR inputs, each with 3 level settings: Mic Hi, Mic Lo, Line.
- Each channel has individual volume and pan controls, limiter and high-pass filter and switchable phantom power.
- Master volume control and professional peak VU meters with illumination
- Buttons for slate mic and 1kHz tone generator for level calibration
- 2 balanced XLR outputs with switchable mic/line level plus stereo mini-jack mic output for DSLR cameras
- Headphone monitor output with level control
- Operates on 6 AA batteries or optional power supply (Part # BC-27H)
- **FMX-42a Camera Returns/Aux Output**  
10-pin camera return output can serve as an auxillary output by using a 10-pin to dual XLR adapter cable (Part # MX-10). May be used in conjunction with balanced outputs.
- **FMX-42u USB Digital Audio Output**  
Connect a mobile device or computer to the USB out to record a digital stereo signal. May be used in conjunction with balanced outputs. USB cable and adapters not included.



## FMX-42u: Digital Recording Via USB

The AZDEN FMX-42u features an ALL NEW USB stereo digital audio output; perfect for sending a backup track to your iOS, Android or laptop device. No need to transfer media from a card to a computer. The digital audio signal is transferred via high-speed USB 2.0 with support for sampling rates up to 48 kHz and bit depths up to 16-bit. The FMX-42u is compatible with many different audio recording apps and digital audio workstations (DAW). The mixer can still output your audio via dual XLR connections while simultaneously recording your backup track. The FMX-42u can also double as an audio interface when recording audio to a computer or laptop.

The FMX-42u is feature-rich, having 4 balanced XLR line/mic inputs with individual level and pan controls, switchable (per channel) 48V phantom power and limiting, professional quality VU meters for accurate level setting, master level control, 1kHz tone generator, 2 balanced XLR outputs (line/mic switchable), stereo mini-jack output for DV cameras and a headphone monitor with level control, all encased in a rugged, sleek, all-metal housing. The FMX-42u can be powered by either 6 internal "AA" batteries or an optional 12V DC external supply (Locking 4-Pin Hirose connector).

## FMX-42a: More Than Just A Camera Return

The AZDEN FMX-42a is a staple in the AZDEN product line and a must-have for the serious sound engineer on any video shoot. The 10-pin camera return may also be used as a secondary stereo output, independent from the mixer's main XLR outputs, using an appropriate adapter cable (AZDEN MX-10: 10-pin Hirose to dual XLR). This signal can be sent to a separate mixer or a secondary camera setup.

The FMX-42a features 4 balanced XLR line/mic inputs with individual level and pan controls, 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 cameras and a headphone monitor with level control, all encased in a rugged, sleek, all-metal housing. The FMX-42a can be powered by either 6 internal "AA" batteries or an optional 12V DC external supply (Locking 4-Pin Hirose connector).

AZDEN FMX-42a



## SPECIFICATIONS

### GENERAL

Frequency Response	20 Hz - 30 kHz (+0/-1.5 dB)
Balanced or Unbalanced Output:	30 Hz - 30 kHz (+0/-2 dB)
Monitor Output:	30 Hz - 30 kHz (+0/-2 dB)
Signal-to-Noise Balanced Output:	-120 dBu (A weighted, input equivalent level)
T.H.D. Balanced Output:	< 0.005% @ 1 kHz (at LINE position +19 dBu output)
Phantom Power Voltage:	48V (±1.5V)
Sample Tone Frequency:	1 kHz
Battery Requirement:	6 Alkaline "AA"
External Power:	10.5 ~ 17V DC @ 200mA
Dimensions:	220mm W x 160mm D x 56mm H (without protrusions) 9" W x 6 1/2" D x 2 1/4" H (without protrusions)
Weight:	1.3 kg / 2.9 lbs (without batteries)

### INPUT

Balanced Input:	XLR 3-pin Female x 4 (CH1, 2, 3 & 4)
Level	LINE Standard: +4 dBu (electronically balanced) Maximum: > +26 dBu Impedance: 20kΩ
	MIC HI Standard: -38 dBu (electronically balanced) Maximum: +4 dBu Impedance: 2kΩ
	MIC LO Standard: -58 dBu (electronically balanced) Maximum: -15 dBu Impedance: 2kΩ
High Pass Filter (HPF):	100 Hz - 6 dB/oct
Return Inputs (FMX-42a):	Hirose 10-pin Female for Hirose Plug Part #RM15TD-10P 3.5mm (1/8") Stereo Mini-Jack -20 dBu - +19 dBu (unbalanced) 11kΩ
Input Level:	-20 dBu - +19 dBu (unbalanced)
Impedance:	11kΩ

### OUTPUT

Balanced Outputs:	XLR 3-pin Male x 2 (Output L & R) Hirose 10-pin Female for Hirose Plug (FMX-42a only)
Unbalanced Output:	3.5mm (1/8") Stereo Mini-Jack
Monitor Output:	6.3mm (1/4") Stereo Jack
Digital Signal Output (FMX-42u):	USB mini-B connector (female)
Balanced Level Output	+4 dBu LINE Standard: +4 dBu (electronically balanced, 5kΩ load) Maximum: +20 dBu (electronically balanced, 5kΩ load) Impedance: 600Ω
-36 dBu	MIC Standard: -36 dBu (electronically balanced, 5kΩ load) Maximum: -20 dBu (electronically balanced, 5kΩ load) Impedance: 600Ω
Unbalanced Output Level	Standard: -36 dBu (electronically balanced, 2kΩ load) Maximum: -20 dBu (electronically balanced, 2kΩ load) Impedance: 120Ω
Monitor Output	Max Output: +1 dBu (32Ω load at 9V) 16-100Ω load recommended
Meters	Standard Output Level: 0 VU (+4 dBu)
<b>DIGITAL SIGNAL OUTPUT (FMX-42u Only)</b>	
Interface Format:	USB 2.0 Full Speed
Audio Data Format:	Isocronas Data Format
Sampling Frequencies:	16 / 22.05 / 32 / 44.1 / 48 kHz Compatible
Bit Depth:	8 / 16 bit Compatible
Channels:	2
Device Name:	USB AUDIO CODEC