

# MX-62

## 6-Channel Mixer

### *OPERATING MANUAL*

***Thank you for purchasing an Azden product.***

***Please read this manual thoroughly before using this product.***



# SPECIFICATIONS

## INPUT

LINE/MIC-HI/MIC-LO (electric balance) XLR-3 pin (female) x 6 (CH 1, CH2, CH 3, CH 4, CH 5, CH 6)  
 AUX (unbalance) RCA pin (female, L/R) x 2 (AUX 1, AUX 2)  
 EXT (electric balance) XLR-3 pin (female) x 2 (L ch, R ch)

INPUT	LINE	MIC-HI	MIC-LO	AUX	EXT IN
STANDARD INPUT LEVEL	+ 4dBu	-	-	- 4dBu	+ 4dBu
MAX. GAIN	+ 19dB	+ 47dB	+ 66dB	+ 25dB	+ 0dB
MAX. INPUT LEVEL	+ 22dBu	- 6dBu	- 24dBu	+ 16dBu	+ 22dBu
INPUT IMPEDANCE	16k	5k	4.6k	9k	18k

## OUTPUT

LINE (electric balance) XLR-3 pin (male) x 2 (L ch, R ch)  
 LOAD IMPEDANCE more than 600  
 OUTPUT LEVEL +4dBu  
 MAX. OUTPUT LEVEL more than +22dBu (load 10k @ 1%)  
 more than +20.5dBu (load 600 @ 1%)  
 OUTPUT IMPEDANCE 94  
 VU METER LEVEL +4dBu (0VU)  
 Hi-pass filter(HPF) cut off frequency, gradient 100Hz, 6dB / oct

## Limiter Operating Pressure

Output level when not operating	Operating Pressure
+26dBu	5.6dB
+22dBu	3.6dB
+15dBu	1.5dB
+4dBu	0.2dB

Phantom power 48 ± 2V

## GENERAL FEATURES

FREQUENCY 20Hz - 30kHz (+0/less than -0.5dB)  
 INPUT NOISE LEVEL (single CH input) less than -127dBu (+66dB gain, A weighted)  
 MIC-LO  
 OUTPUT DYNAMIC RANGE (single CH input) more than 107dB (0dB gain, A weighted)  
 LINE more than 110dB (0 dB gain, A weighted)  
 AUX/EXT  
 THD+N (1kHz, max. -1dB input) less than 0.003% (load 10k , +21dBu output)  
 LINE/MIC-HI/AUX/EXT less than 0.006% (load 10k , +21dBu output)  
 MIC-LO  
 POWER DC 12V  
 POWER CONSUMPTION 9W  
 SIZE W 435 x D 210 x H 44 (mm)  
 WEIGHT approx. 2.25kg

## 6 Channel Mixer MX-62

This is a 1U sized mixer supported 6ch balance line/microphone input, stereo audio input with 2 RCA L/R connector systems, EXT input which mixes the balance line L/R audio directly, and a balance line L/R output.

It also has a phantom power supply, limiter, hi-pass filter, PAN function of output signal, and an input peak indicator with a VU meter.

### Main Features

- Individual switches on every channel of XLR balance input; mic level (HI/LO) or +4dBu standard line level.
- RCA pin AUX input which enables unbalance stereo signal input in 2 systems.
- EXT input mixes the XLR balance line L/R signal directly.
- XLR balance line L/R output is +4dBu standard line level.
- Phantom power supply of 48V, with an individual ON/OFF switches on every channel (MIC).
- Each channel has an input peak indicator to show the excess input (LINE/MIC,AUX).
- Limiter function manages the excessive level while mixing; each channel has an individual ON/OFF switch (LINE/MIC).
- Each channel has a hi-pass filter switch to cut the input signal under 100Hz (LINE/MIC) .
- Individual PAN function switch to control or stabilize the output balance of L ch and R ch of each input channel signal (LINE/MIC).
- XLR balance line L/R output level is shown on a peak indicator with a VU meter.
- Channel fader to control the mix level of each input channel signal, and a master fader to control the line output level (LINE/MIC,AUX).
- VU meter can be lit up

## Parts(Front Control)

Power switch / Power indicator

Turns power ON/OFF / When power is ON, the red light will light up

CH 1, 2, 3, 4, 5, 6 input volume

Adjusts the mix level volume of input signal from CH 1 - 6

CH 1, 2, 3, 4, 5, 6 PAN volume

Control or stabilize the output balance of L ch and R ch of each input channel signal

AUX 1, 2 volume

Adjusts the RCA pin AUX input level of 2 systems

MASTER volume

Adjusts the level of line out output (If set to the center, the output amp gain is  $\pm 0$ )

CH 1, 2, 3, 4, 5, 6 LIMITER switch

Turns limiter function ON/OFF of CH 1 - 6 (When the function is ON, it suppresses the sound of excessive input level without clipping)

CH 1, 2, 3, 4, 5, 6 HPF switch

Turns Hi-pass filter function of CH 1 - 6 ON/OFF (If set to ON, it cuts the input signal under 100Hz)

INPUT PEAK indicator

The indicator lights up in red when distorted by excess signal. This device has INPUT 1 & INPUT 2 indicators. When both indicators light up, it indicates below status;

PEAK 1 indicator : Excessive signal is being inputted. Configuration of standard input or INPUT LEVEL SW against the input source may be faulty.

Please try to change the configuration using INPUT LEVEL SW. If the light is still lit up, the device is inputting signal excessively. Please adjust the output level of connecting device.

PEAK 2 indicator : Mixing signal level is too high. Please adjust the signal level by Input volume.

AUX INPUT PEAK indicator

The indicator lights up in red when distorted by excess signal. Adjust the signal level of mixing signal by input volume.

CH L, R VU meter

Analog VU meter which shows the line out output. Adjust the input signal level by input volume or adjust the output signal level by MASTER volume; do not let it be off the scale, or let the output peak indicator's light light up.

CH L, R OUTPUT PEAK indicator

Monitors the line out output. Lights up in red when distorted by excessive output signal level. When light up in red, adjust the input signal level by input volume or adjust the output signal level by MASTER volume.

INPUT LEVEL switch

3 types of input level can be chosen by connecting source to an input connector.

INPUT LEVEL (LINE) - Standard input level : +4dBu Maximum input level : +22dBu (16k )

INPUT LEVEL (MIC HI) - Maximum input level : -6dBu (5k )

INPUT LEVEL (MIC LO) - Maximum input level : -24dBu (4.6k )

PHANTOM switch

Turns the power of phantom power +48v ON/OFF. It can supply a MIC power +48v when ON. It can only be used when MIC input is selected (INPUT LEVEL switch : MIC HI/ MIC LO).

Please turn OFF when no need of the phantom power. Before turning on the phantom power, please confirm if the connecting device is compliant to phantom power. When turning the switch ON / OFF, please adjust the volume to 0 all the time.

## (Rear Panel)

CH 1, 2, 3, 4, 5, 6 XLR input connector

Suitable input sensitivity for the input source can be set by INPUT LEVEL switch

AUX 1, 2 input connector

RCA pin AUX input which enables unbalance stereo signal input to 2 systems

EXT IN connector / ON-OFF switch

EXT input ON/OFF switch mixes the XLR balance line L/R signal directly.

CH L XLR output connector

Outputs the mixed L ch signal. Output level is +4dBu (LINE OUT).

CH R XLR output connector

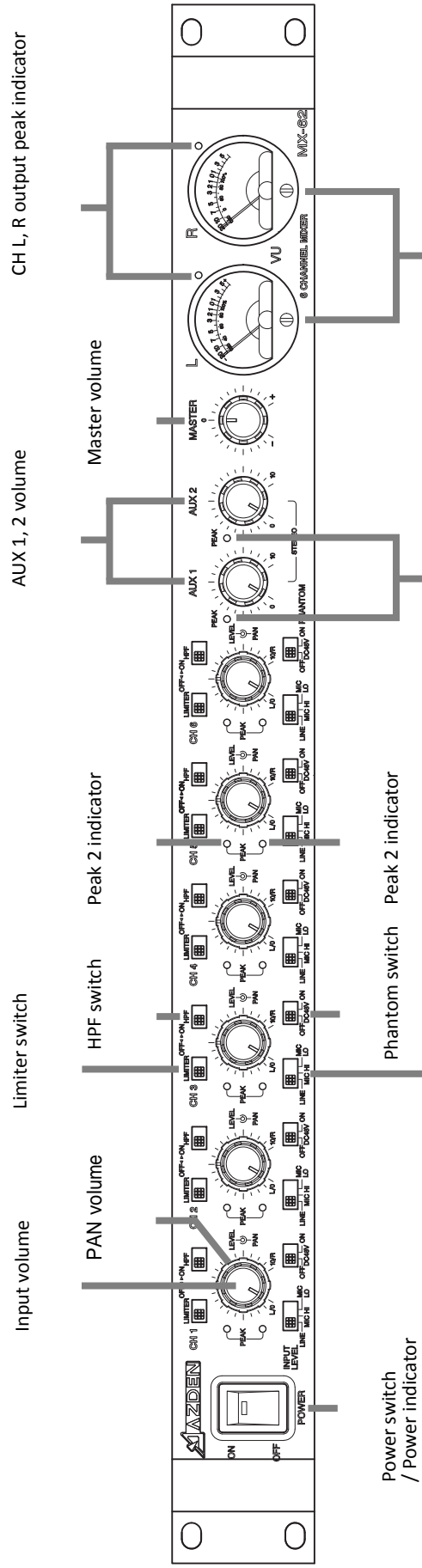
Outputs the mixed R ch signal. Output level is +4dBu (LINE OUT).

DC 12V jack

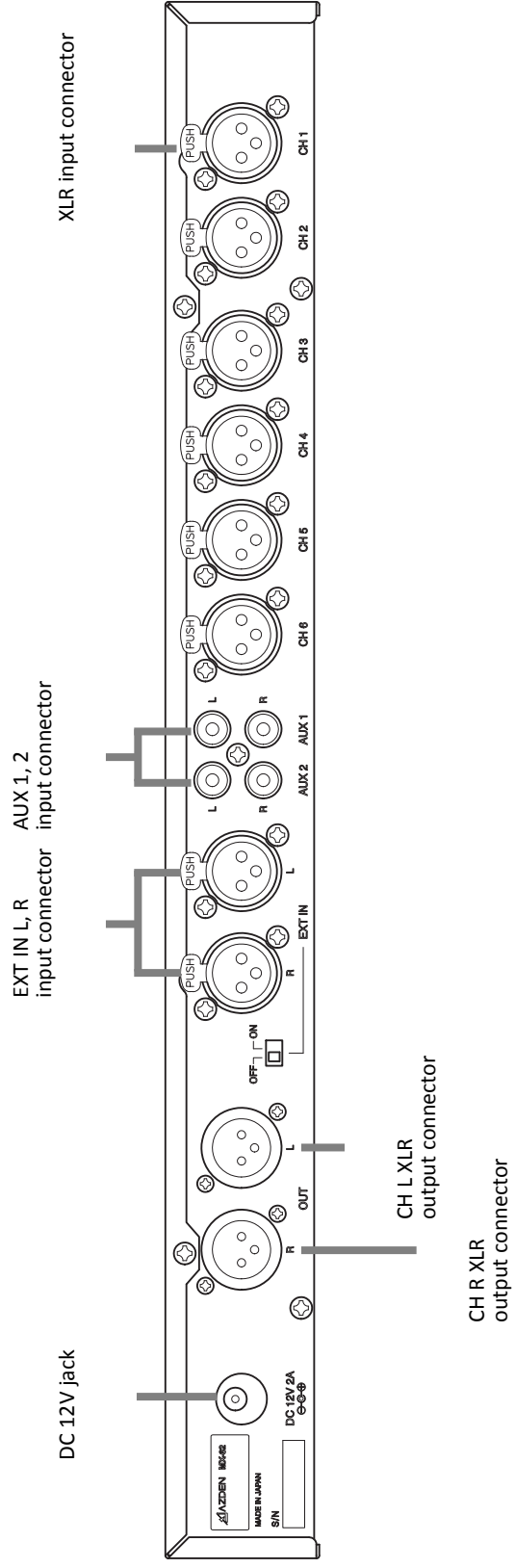
Use the standard packed ac/dc adapter

# Parts

## Front Control



## Rear Panel



## **TWO-YEAR WARRANTY**

Azden Corporation warrants, to the first purchaser, that the Azden brand product purchased is free from defects in material and workmanship. Azden's sole obligation under this warranty shall be to provide, without charge, repair or replacement (at Azden's option), within two years from the date of purchase. A dated receipt acts to establish the date of purchase.

This warranty is the sole and exclusive express warranty given with respect to the product and all other express warranties are hereby excluded. Neither AZDEN, nor the dealer who sells this product, is responsible for indirect, incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

This warranty does not extend to any defect, malfunction or failure caused by misuse, abuse, accident, faulty hookup, unauthorized modification or defective associated equipment for which it is not intended. Please read your owner's manual carefully.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

To register this product, go to [www.azdencorp.com/warranty](http://www.azdencorp.com/warranty) for North/South America and EU customers.

Asia/Oceania customers contact with Azden distributors listed on [www.azden.co.jp/global.html](http://www.azden.co.jp/global.html)

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Customers in the Asian and Oceania markets contact:  
Azden Corp., 1-12-17 Kamirenjaku Mitaka-shi, Tokyo, 181-8533 Japan  
voice - 81-0-422-55-5115(Japan) • fax - 81-0-422-55-0131(Japan)

email - [sales@azden.co.jp](mailto:sales@azden.co.jp)

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Customers in the North/South America and European markets contact:  
Azden Corp., 200 Valley Road, Suite 101, Mt. Arlington, NJ 07856  
voice - 973-810-3070 • fax - 973-810-3076 • email - [azdenus@azdencorp.com](mailto:azdenus@azdencorp.com)