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## MIZISNR AX-120

# MIZISNR AX-120 12-Channel Audio Mixer User Manual

Model: AX-120 | Brand: MIZISNR

## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your MIZISNR AX-120 12-Channel Audio Mixer. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

### Package Contents:

- 1 x MIZISNR AX-120 Audio Mixer
- 1 x Power Supply (110V, US plug)
- 1 x User Manual

## 2. SAFETY INSTRUCTIONS

- Ensure the power supply voltage matches your local power grid (110V for US plug).
- Do not expose the mixer to water or excessive moisture.
- Avoid placing the mixer near heat sources or in direct sunlight.
- Use only the provided power adapter.
- Do not attempt to open or service the unit yourself. Refer all servicing to qualified personnel.
- Ensure proper grounding to prevent hum or buzz, especially when connecting to amplifiers.

### 3. PRODUCT OVERVIEW

The MIZISNR AX-120 is a 12-channel audio mixer designed for professional sound mixing. It features multiple input options, 3-band EQ, phantom power, Bluetooth, and USB connectivity for versatile audio management.

## 3-BAND EQ CONTROLS

Each channel can be adjusted independently for high/medium/bass

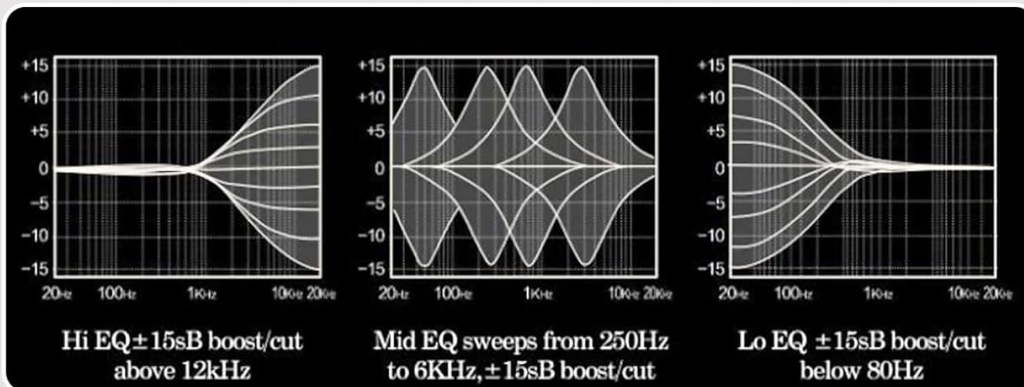


Figure 3.1: Top view of the MIZISNR AX-120 Audio Mixer.

# COMPATIBLE WITH VARIOUS DEVICES



Figure 3.2: Labeled diagram of the MIZISNR AX-120 Audio Mixer components.

## 4. SETUP

### 4.1 Power Connection

Connect the provided power supply to the mixer's DC input port and then to a suitable power outlet. Ensure the power switch is in the OFF position before connecting. Once connected, switch the power ON.

Video 4.1: Demonstrating the power supply connection to the mixer.

### 4.2 Input Connections (XLR/Line)

The mixer features gold-plated XLR and balanced line input interfaces for microphones and other audio sources. Connect your microphones using XLR cables or line-level instruments using 1/4-inch (6.35mm) TRS cables to the respective input jacks.

# BUILT-IN PLAYBACK SUPPORT USB TRANSFER

Supports USB interface audio devices, ensuring sound quality is not compromised.



Figure 4.2: XLR and Line inputs on the mixer.

Video 4.2: Connecting XLR and 1/4-inch line cables to the mixer inputs.

## 4.3 Main Output Connections

Connect your main speakers or recording interface to the L MAIN OUT R (Left Main Output Right) XLR or 1/4-inch TRS output jacks. Ensure proper cable types are used for balanced connections to minimize noise.

Video 4.3: Connecting main output cables to the mixer.

## 5. OPERATING INSTRUCTIONS

### 5.1 Channel Controls

Each channel on the AX-120 mixer features independent controls for optimal sound shaping:

- **GAIN:** Adjusts the input sensitivity for each channel. For best results and lowest noise floor, set channel volume (fader) to minimum, increase gain until desired signal level is achieved, then raise the fader.

- **3-Band EQ (HF, MF, LF):** High, Mid, and Low frequency adjustments allow you to tailor the tone of each input.
- **AUX:** Controls the send level to the auxiliary output for external effects or monitoring.
- **FX:** Controls the send level to the internal effects processor.
- **PAN:** Adjusts the stereo position of the channel's signal (Left to Right).
- **FADER:** Controls the output volume of each individual channel.



Figure 5.1: 3-Band EQ Controls.

Video 5.1: Adjusting EQ knobs on the mixer.

Video 5.2: Demonstrating channel faders and main output faders.

## 5.2 +48V Phantom Power

The AX-120 provides +48V phantom power for condenser microphones. To activate, press the PHANTOM button. A red LED indicator will illuminate. Ensure condenser microphones are connected before activating phantom power to prevent damage to other devices.



Figure 5.2: Activating +48V Phantom Power.

Video 5.3: Activating +48V Phantom Power for a microphone.

## 5.3 Bluetooth Connectivity

The mixer supports integrated Bluetooth playback. To connect, press the mode button on the digital MP3 player section to switch to Bluetooth mode. Search for "BT-Speaker" on your external device (e.g., smartphone, tablet)

and pair. The mixer will then play audio wirelessly from your device.

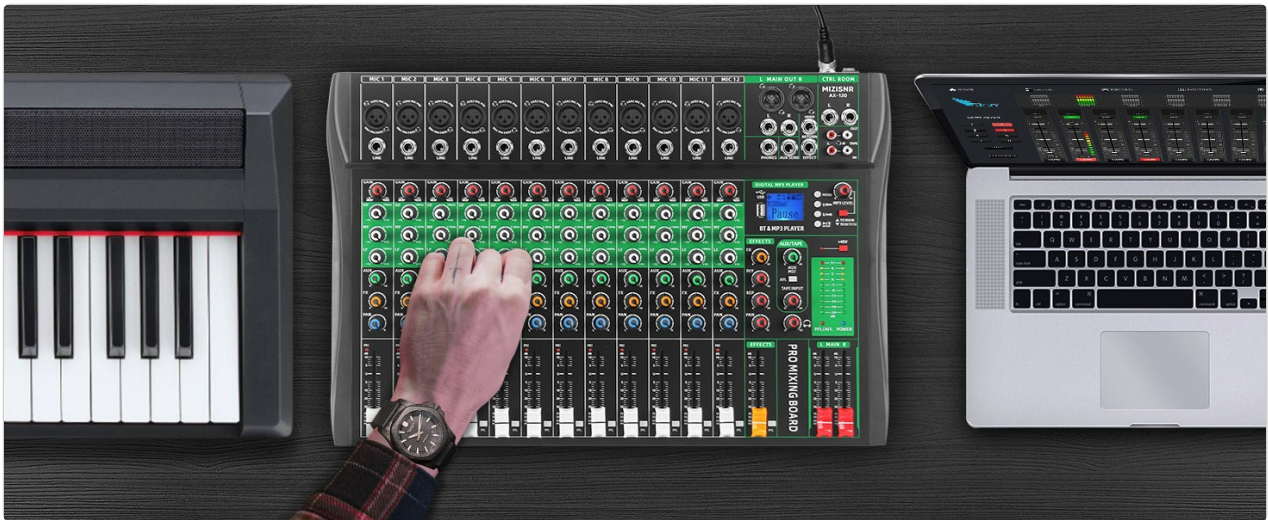


Figure 5.3: Bluetooth connection process.

Video 5.4: Connecting a smartphone to the mixer via Bluetooth.

## 5.4 USB Playback and Recording

The mixer features a built-in MP3 player and recorder, compatible with MP3, WAV, and WMA formats. It also supports computer recording and sound editing via USB.

- **USB Playback:** Insert a USB flash drive with audio files into the USB port. Use the controls on the digital MP3 player to navigate and play tracks.
- **Computer Connection:** Connect the mixer to your computer via a USB cable for recording and editing. The mixer will act as an audio interface.

## 3-BAND EQ CONTROLS

Each channel can be adjusted independently for high/medium/bass

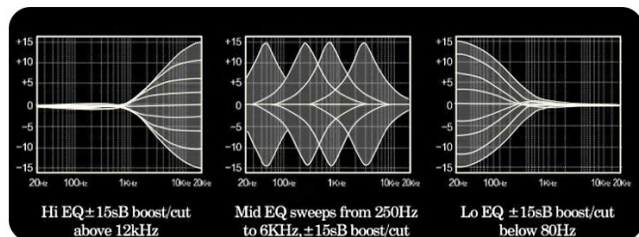


Figure 5.4: USB playback and computer connection for recording.

Video 5.5: Connecting a USB flash disk for playback.

Video 5.6: Connecting the mixer to a computer for music and microphone recording.

## 5.5 Effects (FX)

The mixer includes built-in effects such as delay and repetition. Use the FX knob on each channel to send a portion of that channel's signal to the effects processor. The main EFFECTS fader controls the overall output level of the effects.

Video 5.7: Adjusting the reverb effect and its overall output.

## 5.6 Monitoring

The 6.35mm monitor jack allows for real-time monitoring of your mix using headphones. Adjust the headphone volume control to a comfortable listening level.

### WIRELESS BLUETOOTH

Experience smooth and reliable wireless transmission Simply press the mode button to switch effortlessly to Bluetooth mode



Figure 5.5: Real-time monitoring with headphones.

Video 5.8: Using the real-time monitor feature with earbuds.

## 6. MULTI-SCENARIO APPLICATIONS

The MIZISNR AX-120 mixer is suitable for a variety of audio applications, including:

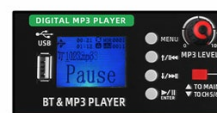
- Stage Performances
- Bar Resident Singing
- Band Rehearsals
- Live Singing
- Home Studio Recording



### SIZE & DETAILS



Headphone Volume Control



U Disk/ MP3 Playback with LED Display



Comfortable Damping Feel

Figure 6.1: Mixer in various application scenarios.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	AX-120
Number of Channels	12
Product Dimensions	34.01 x 51 x 3.81 cm (13.39 x 20.08 x 1.5 inches)
Item Weight	4.99 kg (11 Pounds)
Power Source	Corded Electric
Voltage	110 Volts (AC)
Connectivity Technology	Bluetooth, USB
Audio Input	USB
Output Connector Type	TRS, XLR
Manufacturer	MIZISNR
Country of Origin	China

## 8. TROUBLESHOOTING

- **No Sound Output:**

- Check all cable connections (inputs, outputs, power).
- Ensure the main output faders and individual channel faders are raised.
- Verify that the correct input source is selected (e.g., Bluetooth, USB).
- Check if the power indicator is on.

- **Humming or Buzzing Noise:**

- Ensure proper grounding of the mixer and connected equipment.
- Check for faulty cables or loose connections.
- Minimize gain settings on channels and increase main output volume to achieve desired levels with a lower noise floor.
- Avoid running audio cables parallel to power cables.

- **USB Device Not Found:**

- Ensure the USB drive is properly formatted (e.g., FAT32) and contains compatible audio files (MP3, WAV, WMA).
- Try a different USB drive.
- Ensure the mixer is in the correct USB playback mode.

- **Bluetooth Connection Issues:**

- Ensure the mixer is in Bluetooth pairing mode.
- Check that Bluetooth is enabled on your external device and it is within range (approx. 33ft/10m).
- Forget the device on your phone/tablet and try pairing again.

- **Phantom Power Not Working:**

- Ensure the +48V button is pressed and its indicator light is on.
- Verify that your microphone requires phantom power.
- Check the XLR cable for damage.

## **9. WARRANTY AND SUPPORT**

For any issues encountered before purchasing or during use, please do not hesitate to reach out to our customer service for assistance. We are committed to providing a reply within 24 hours.

Please retain your proof of purchase for any warranty claims.