

## ZHELLY AM-AKS1

# Lomeho AM-AKS1 6-Channel Audio Mixer User Manual

Model: AM-AKS1 | Brand: ZHELLY

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## 1. INTRODUCTION

Thank you for purchasing the Lomeho AM-AKS1 6-Channel Audio Mixer. This professional mixer is designed to provide high-quality audio mixing for a variety of applications, including live performances, studio recording, karaoke, DJ events, and public address systems. With its versatile input options, integrated Bluetooth, and USB playback/recording capabilities, the AM-AKS1 offers comprehensive control over your sound.

Please read this manual thoroughly before operating the device to ensure proper use and to maximize its performance and longevity.

## 2. IMPORTANT SAFETY INSTRUCTIONS

- **Power Source:** Only use the provided power adapter or a compatible USB power source (DC 5V) to power the mixer. Ensure the voltage matches the requirements.
- **Water and Moisture:** Do not expose this appliance to rain or moisture. Do not place objects filled with liquids, such as vases, on the apparatus.
- **Ventilation:** Ensure proper ventilation. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- **Heat:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Clean only with a dry cloth. Unplug the mixer from the power source before cleaning.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

- **Cables:** Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

### 3. PACKAGE CONTENTS

Please check that all items listed below are included in your package:

- Lomeho AM-AKS1 Audio Mixer
- USB Power Cable
- Power Adapter (USB wall charger)
- User Manual (this document)



Image: The Lomeho AM-AKS1 audio mixer shown alongside its included power adapter.

## 4. PRODUCT FEATURES

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- **6-Channel Mixer:** Features 4 mono input channels (XLR/1/4" combo) and 1 stereo input channel (1/4" L/R).
- **Bluetooth Connectivity:** Seamlessly stream audio from your smartphone, tablet, or other Bluetooth-enabled devices.
- **USB Playback/Recording:** Play audio files directly from a USB drive or connect to a computer for recording.
- **3-Band EQ:** Each mono channel features HIGH, MID, and LOW equalization controls for precise tone shaping.
- **Phantom Power (+48V):** Switchable phantom power on select channels for condenser microphones.
- **AUX/EFF Send:** Dedicated send control for external effects processors or monitor mixes.
- **Main Output:** Stereo L/R main outputs for connecting to power amplifiers or powered speakers.
- **Headphone Output:** Dedicated headphone output with level control for monitoring.
- **Compact and Portable Design:** Ideal for home studios, small venues, and mobile setups.

## 5. CONTROLS AND FUNCTIONS

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Familiarize yourself with the various controls and connections on your AM-AKS1 mixer.

### 5.1 Front Panel Controls



Image: Detailed view of the Lomeho AM-AKS1 mixer's front panel, showing all knobs, faders, and buttons.

- **GAIN (Channels 1-4):** Adjusts the input sensitivity for each mono channel. Use to set the optimal signal level without clipping.
- **HIGH (Channels 1-4):** Controls the treble frequencies (high-end EQ) for each mono channel.
- **MID (Channels 1-4):** Controls the mid-range frequencies (mid-range EQ) for each mono channel.
- **LOW (Channels 1-4):** Controls the bass frequencies (low-end EQ) for each mono channel.
- **AUX EFF (Channels 1-4):** Adjusts the amount of signal sent from each channel to the auxiliary/effects send.
- **PAN (Channels 1-4):** Pans the signal left or right in the stereo field for each mono channel.
- **LEVEL (Channels 1-4):** Adjusts the output level of each mono channel to the main mix.
- **MAIN Fader:** Controls the overall output volume of the main stereo mix.
- **REC Output (RCA):** Stereo RCA outputs for connecting to a recording device.
- **TAPE Input (RCA):** Stereo RCA inputs for connecting external playback devices (e.g., tape deck, CD player).
- **USB Port:** For connecting a USB flash drive for MP3 playback or connecting to a computer for audio interface functions.
- **USB Control Buttons (MODE, PREV, PLAY/PAUSE, NEXT):** Controls for USB/Bluetooth playback.
  - **MODE:** Switches between USB playback and Bluetooth modes.
  - **PREV (|<):** Skips to the previous track.

- **PLAY/PAUSE (>|)**: Plays or pauses the current track.
- **NEXT (>|)**: Skips to the next track.
- **PHONE**: Headphone output level control.
- **MAIN L/R Meters**: LED indicators showing the output level of the main stereo mix.

## 5.2 Rear Panel Connections



Image: The rear panel of the Lomeho AM-AKS1 mixer, highlighting the XLR and 1/4" inputs, AUX output, and power input.

- **MIC +48V (Channels 1-4)**: Combo XLR/1/4" TRS inputs for microphones or line-level instruments. Channels 1-4 support +48V phantom power.
- **AUX Output (1/4" L/R)**: Stereo 1/4" outputs for sending the auxiliary mix to external effects or monitor speakers.
- **POW Indicator**: Lights up when the mixer is powered on.

- **DC 5V Input:** Power input port for connecting the USB power cable and adapter.
- **L/R Main Outputs (1/4" TRS):** Main stereo outputs for connecting to a power amplifier, powered speakers, or other audio equipment.
- **PHONE Output (1/4" TRS):** Headphone output jack.

## 6. SETUP GUIDE

Follow these steps to set up your Lomeho AM-AKS1 mixer for operation.

### 6.1 Power Connection

1. Connect the USB power cable to the DC 5V input on the rear panel of the mixer.
2. Plug the other end of the USB cable into the provided power adapter.
3. Plug the power adapter into a suitable wall outlet. The POW indicator on the mixer will light up.

### 6.2 Connecting Inputs

#### How to use AM-AKS1



Image: A visual guide demonstrating how to connect microphones (condenser, dynamic, wireless), headphones, power amplifiers, and passive speakers to the AM-AKS1 mixer.

- **Microphones:** Connect XLR or 1/4" cables from your microphones (dynamic, condenser, wireless receiver) to the MIC inputs (Channels 1-4). If using condenser microphones, ensure the +48V phantom power switch (if available on your model, typically a global switch or per-channel button) is engaged.
- **Instruments/Line Devices:** Connect instruments (e.g., keyboards, guitars with preamps) or other line-level devices

to the 1/4" inputs of Channels 1-4 or the TAPE input (RCA) for stereo sources.

- **USB Drive:** Insert a USB flash drive containing MP3 audio files into the USB port.

## 6.3 Connecting Outputs

- **Main Speakers:** Connect the L/R Main Outputs (1/4" TRS) to your power amplifier or powered speakers.
- **Headphones:** Plug your headphones into the PHONE output (1/4" TRS).
- **Recording Device:** Connect the REC Output (RCA) to the input of your recording device (e.g., audio interface, portable recorder, or dedicated recording unit). Ensure the recording device's input levels are properly set to avoid distortion.

## 7. OPERATING INSTRUCTIONS

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### 7.1 Basic Mixing

1. **Power On:** Ensure all connections are secure, then power on the mixer.
2. **Set Initial Levels:** Turn down the MAIN fader and all channel LEVEL knobs to their minimum.
3. **Adjust Gain:** For each active input channel, speak or play into the microphone/instrument. Slowly increase the GAIN knob until the PEAK LED flashes only occasionally. This sets the optimal input level.
4. **Adjust Channel Levels:** Slowly raise the LEVEL knob for each active channel to bring its signal into the mix.
5. **Adjust Main Output:** Gradually raise the MAIN fader to achieve the desired overall volume from your speakers. Monitor the MAIN L/R meters to avoid clipping (red LEDs).
6. **Equalization (EQ):** Use the HIGH, MID, and LOW knobs on each channel to shape the tone of the input signal. Turn clockwise to boost frequencies, counter-clockwise to cut.
7. **Panning:** Use the PAN knob to position the sound of each mono channel in the stereo field (left or right).
8. **Headphone Monitoring:** Adjust the PHONE knob to control the volume of your headphones.

### 7.2 Bluetooth Operation



Image: An illustration depicting a smartphone wirelessly connecting to the Lomeho AM-AKS1 mixer via Bluetooth technology.

1. Press the **MODE** button on the USB control section until "BLUE" or "BT" appears on the display (if available) or you hear an audible prompt indicating Bluetooth mode.
2. On your Bluetooth-enabled device (smartphone, tablet), enable Bluetooth and search for available devices.
3. Select "LOMEHO MIXER" or a similar name from the list of devices.
4. Once paired, you can play audio from your device, and it will be routed through the mixer. Control playback (play/pause, skip) using the mixer's USB control buttons or directly from your device.

### 7.3 USB Playback

1. Insert a USB flash drive containing MP3 audio files into the USB port.
2. Press the **MODE** button until the mixer enters USB playback mode. The display (if available) will show track information.
3. Use the **PLAY/PAUSE**, **PREV**, and **NEXT** buttons to control playback.
4. Adjust the USB channel's level (often controlled by the TAPE/MP3/USB level knob) to blend it into your mix.

### 7.4 Recording (via REC Output)

To record your mix, connect the REC Output (RCA) of the mixer to the audio input of your recording device (e.g., computer audio interface, portable recorder, or dedicated recording unit). Ensure the recording device's input levels are properly set to avoid distortion.

## 8. MAINTENANCE

- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth to wipe the surface of the mixer. Do not use liquid cleaners or aerosols.
- **Storage:** When not in use for extended periods, store the mixer in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Handle with Care:** Avoid dropping or subjecting the mixer to strong impacts, as this can damage internal components.

## 9. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from speakers.	Mixer not powered on. MAIN fader or channel LEVEL knobs are down. Speakers/amplifier not connected or powered on. Incorrect cable connections.	Check power connection and POW indicator. Raise MAIN fader and relevant channel LEVEL knobs. Ensure speakers/amplifier are connected and powered on. Verify all audio cables are correctly connected.
Distorted sound.	GAIN or LEVEL too high. Input signal too hot. Speakers/amplifier overdriven.	Reduce GAIN for the input channel. Lower channel LEVEL or MAIN fader. Check input levels on connected speakers/amplifier.
Bluetooth not connecting.	Mixer not in Bluetooth mode. Device too far from mixer. Bluetooth already connected to another device.	Press MODE button to switch to Bluetooth. Move device closer to the mixer. Disconnect from other devices and try pairing again.
USB playback not working.	USB drive not inserted correctly. Unsupported file format. Mixer not in USB mode.	Re-insert USB drive. Ensure files are MP3 format. Press MODE button to switch to USB mode.

## 10. SPECIFICATIONS

<b>Model</b>	AM-AKS1
<b>Brand</b>	ZHELLY
<b>Number of Channels</b>	6 (4 Mono, 1 Stereo)
<b>Connectivity Technology</b>	Bluetooth, USB
<b>Audio Input Interface</b>	XLR, 1/4" TRS, RCA
<b>Power Source</b>	USB (DC 5V)
<b>Phantom Power</b>	+48V (on select channels)

## 11. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions, including warranty period and coverage details. Keep your purchase receipt as proof of purchase.

For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact the retailer or the manufacturer's customer service. Contact information can typically be found on the product packaging or the manufacturer's official website.

**Manufacturer:** ZHELLY

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