Kmise MI8418

Kmise 6 Channel Audio Mixer MI8418 User Manual

Model: MI8418

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Kmise 6 Channel Audio Mixer, Model MI8418. This professional sound mixer is designed for various audio applications, including live streaming, podcasting, DJ shows, and studio recording, offering versatile connectivity and sound control features.

2. KEY FEATURES

- **6 MIC/LINE Mono Inputs:** Provides multiple input options for microphones and line-level instruments.
- **3-Band EQ:** High, Mid, and Low frequency equalization on all channels for precise tone shaping.
- **48V Phantom Power:** Selectable phantom power for condenser microphones.
- **USB Audio Interface:** Supports MP3/WAV/Lossless APE/FLAC music playback via U-disk and direct recording to PC/USB flash drive (FAT32 format required).
- **Bluetooth Connectivity:** Wireless connection for streaming audio from smartphones, tablets, and other Bluetooth devices.
- **Real-Time Monitoring:** 6.5mm headphone interface for monitoring channel signals.
- **Built-in Effects:** FX, DLY, REF, and PAN controls for dynamic audio transformations and spatial nuances.
- **PFL (Pre-Fader Listen):** Monitor individual channels before the fader for precise mixing.

3. PRODUCT OVERVIEW

Familiarize yourself with the various inputs, outputs, and controls of your Kmise MI8418 mixer.

Connection To Multiple Devices

Figure 3.1: Top view of the Kmise MI8418 6 Channel Audio Mixer.

This image displays the overall layout of the mixer, including all channels, faders, knobs, and the digital display for the MP3 player/Bluetooth module.

3.1 Front Panel Controls

- **MIC Input Interface:** XLR input for microphones.

- **LINE Input Interface:** 1/4" TRS input for line-level instruments.

- **Gain Adjustment Knob:** Controls the input sensitivity of the channel.

- **Channel High Frequency Adjustment Knob (HF):** Adjusts the treble frequencies.

- **Channel Midrange Frequency Adjustment Knob (MF):** Adjusts the mid-range frequencies.

- **Channel Bass Adjustment Knob (LF):** Adjusts the bass frequencies.

- **AUX Auxiliary Output:** Sends signal to an external effects processor or monitor.

- **Reverb Adjustment (FX):** Controls the amount of internal effect applied to the channel.

- **Sound Balance Control (PAN):** Adjusts the stereo position of the channel.

- **Peak Signal Indicator (PK!):** Lights up when the input signal is too high, indicating potential clipping.

- **Volume Fader:** Controls the output level of the individual channel.

- **Monitor Button (PFL):** Activates Pre-Fader Listen for monitoring the channel's signal before the fader.
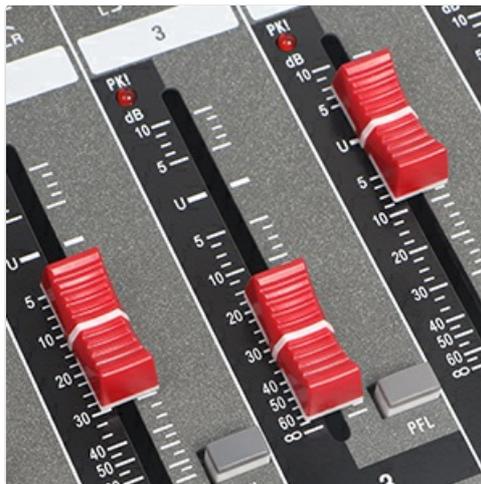
3.2 Master Section Controls & Rear Panel

Figure 3.3: Master section controls.

This image details the master output controls, effects section, headphone jack, and the integrated Bluetooth/MP3 player with its display and control buttons.

- **Master Output Jacks (L MAIN OUT R):** XLR and 1/4" TRS outputs for the main stereo mix.

- **Reverb Outputs (EFFECT):** Outputs for sending the effects signal.

- **Monitor Output Jacks (CTRL ROOM):** Outputs for control room monitors.

- **Lotus Input/Output Jacks (TAPE IN/OUT):** RCA inputs/outputs for connecting external recording devices or playback sources.

- **Aux Send Output Jacks (AUX SEND):** Output for sending auxiliary signals.

- **MP3 Playback Volume:** Controls the volume of the integrated MP3/Bluetooth player.

- **MP3 Player Signal Distribution Button:** Routes the MP3 player signal to the main mix.

- **Function Button (MENU, T/K, 4/4, D/II):** Controls for the MP3/Bluetooth player (Menu, Track selection, Play/Pause).

- **48V Phantom Power Switch:** Activates phantom power for condenser microphones on channels 1-4.

- **Auxiliary Transmitter Master Button:** Master control for the AUX send.

- **Master Monitor Button:** Activates monitoring for the main mix.

- **Monitor Volume Adjustment:** Controls the volume of the monitor output.

- **Effects Send Signal Adjustment:** Controls the overall level of the effects send.

- **Processor Delay Effects Interval (DLY):** Adjusts the delay time of the effects.

- **Echo Frequency and Depth Adjustment (REF):** Adjusts the characteristics of the echo effect.

- **Total Reverb Volume (EFFECTS):** Master volume for the built-in effects.

- **Total Volume Fader (L MAIN R):** Master volume fader for the main stereo output.

Figure 3.4: Rear panel connections.

This image shows the rear of the mixer, indicating the main power switch, power input, and USB power supply port.

4. SETUP INSTRUCTIONS

4.1 Power Connection

1. Ensure the mixer's power switch is in the OFF position.

2. Connect the provided power adapter to the "Power Input" jack on the rear of the mixer.

3. Plug the power adapter into a suitable electrical outlet.
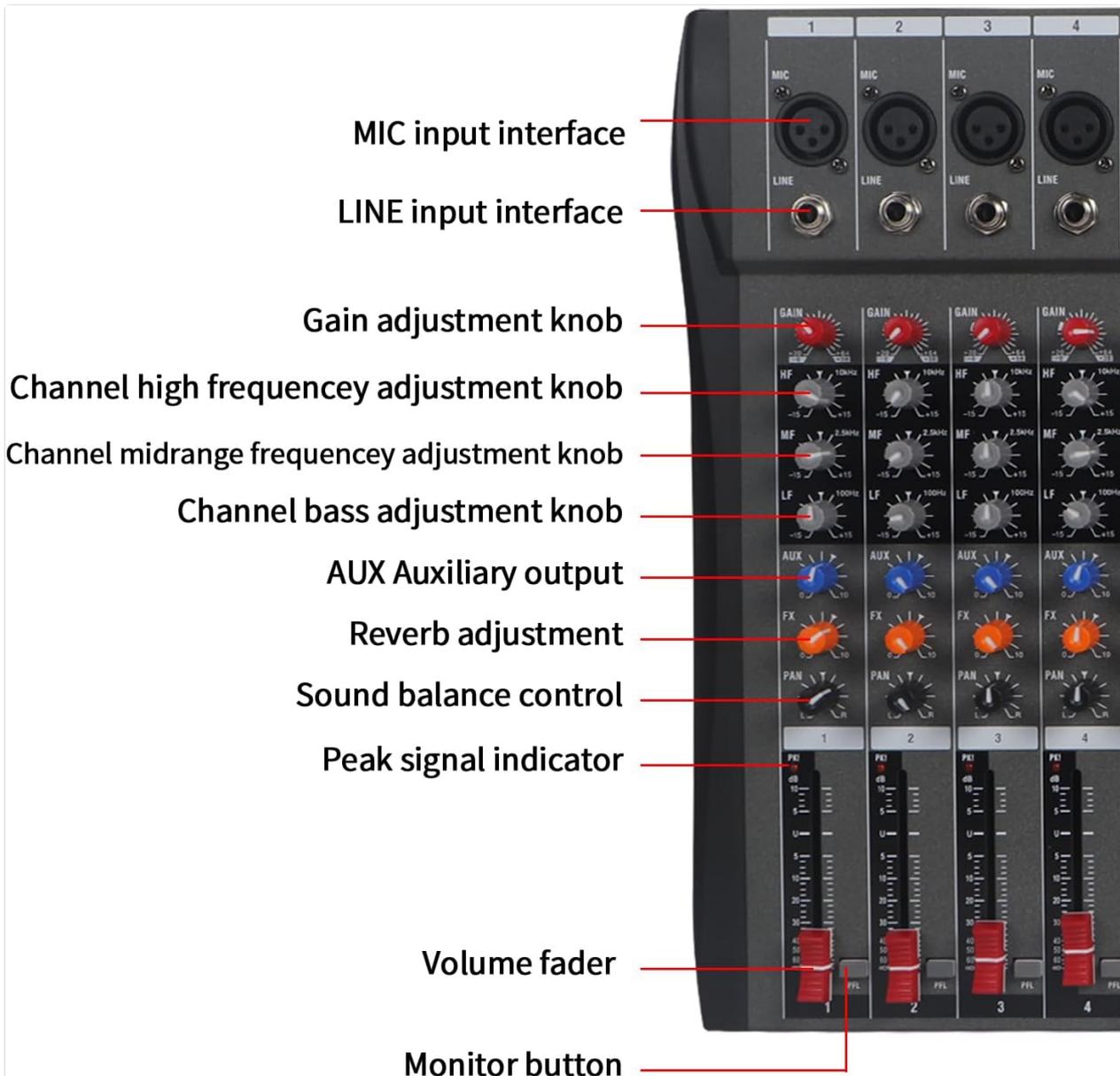
4.2 Connecting Audio Devices

Figure 4.1: Connecting multiple devices to the mixer.

This diagram illustrates how to connect various audio sources and output devices to the mixer, such as microphones, musical instruments, amplifiers, effect processors, USB drives, computers, and mobile phones.

1. **Microphones:** Connect XLR microphones to the "MIC Input Interface" (XLR jacks) on channels 1-6. If using condenser microphones, activate 48V phantom power using the dedicated switch in the master section.

2. **Line-Level Instruments:** Connect instruments like keyboards or guitars (with appropriate preamps/DI boxes) to the "LINE Input Interface" (1/4" TRS jacks) on channels 1-6.

3. **Main Output:** Connect your main speakers or amplifier to the "L MAIN OUT R" XLR or 1/4" TRS jacks.

4. **Monitors:** Connect studio monitors to the "CTRL ROOM" output jacks.

5. **External Effects:** Connect external effects processors using the "AUX SEND" and "EFFECT" return jacks.

6. **Recording/Playback Devices:** Use the "TAPE IN/OUT" RCA jacks for connecting external recording devices or playback sources.

4.3 Computer and Smartphone Connection

Figure 4.2: Connecting to computer and smartphone.

This image illustrates the connection methods for a computer (via USB, cable not included) and a smartphone (via male-to-male cable and OTG adapter, not included).

1. **Computer Connection:** Connect the mixer to your computer via a USB cable (not included) to use it as an audio interface for recording or playback. Ensure your computer recognizes the mixer as an audio device.

2. **Smartphone Connection:** Connect your smartphone using a male-to-male audio cable and an OTG adapter (both not included) for live streaming or mobile recording.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

1. **Power On:** After all connections are made, turn on the mixer's power switch.

2. **Adjust Gain:** For each input channel, slowly increase the "Gain" knob until the "Peak Signal Indicator" (PK!) flashes only occasionally during the loudest parts of the signal. Avoid constant flashing to prevent distortion.

3. **Adjust EQ:** Use the "HF", "MF", and "LF" knobs to shape the tone of each channel as desired.

4. **Set Pan:** Use the "PAN" knob to position the sound of each channel in the stereo field (left to right).

5. **Adjust Channel Volume:** Use the channel "Volume Fader" to set the individual level of each input in the mix.

6. **Master Volume:** Adjust the "Total Volume Fader" (L MAIN R) to control the overall output level of the mixer.

5.2 Using Bluetooth & MP3 Player

Figure 5.1: Bluetooth and MP3 player interface.

This image shows the digital display and control buttons for the integrated Bluetooth and MP3 player module, including the USB port.

1. **USB Playback:** Insert a USB flash drive (FAT32 format) containing MP3/WAV/Lossless APE/FLAC files into the USB port. The mixer will automatically detect and play the audio. Use the function buttons (T/K, 4/4, D/II) to navigate tracks and control playback. Adjust the "MP3 Playback Volume" knob.

2. **Bluetooth Pairing:** Press the "MODE" button on the MP3 player section until "BT" is displayed. On your smartphone or tablet, search for Bluetooth devices and select "Kmise Mixer" (or similar). Once paired, you can stream audio wirelessly. Adjust the "MP3 Playback Volume" knob.

3. **Recording to USB:** While playing audio through the mixer, you can record the main mix directly to a USB flash drive. Refer to the specific instructions on the mixer's display or a more detailed guide for recording functionality. Ensure the USB drive is formatted to FAT32.

5.3 Using Effects

1. **Channel FX Send:** For each channel, use the "FX" knob to send a portion of that channel's signal to the internal effects processor.

2. **Master Effects Control:** Use the "Total Reverb Volume" (EFFECTS) fader to control the overall level of the effects in the main mix.

3. **Effect Parameters:** Adjust "Processor Delay Effects Interval" (DLY) and "Echo Frequency and Depth Adjustment" (REF) knobs in the master section to modify the characteristics of the chosen effect.

5.4 Monitoring

Figure 5.2: Headphone jack.

- **Headphone Monitoring:** Plug 6.5mm headphones into the "PHONES" jack. Use the "Monitor Volume Adjustment" knob to control the headphone level.
- **PFL (Pre-Fader Listen):** Press the "PFL" button on any channel to listen to that channel's signal in your headphones before its volume fader affects the main mix. This is useful for checking individual input levels.

6. MAINTENANCE

- **Cleaning:** Regularly wipe the mixer's surface with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Dust Protection:** Keep the mixer covered when not in use to prevent dust accumulation, which can affect faders and knobs.
- **Cable Management:** Ensure all cables are neatly organized and not under strain to prevent damage to connectors and ports.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

- **No Sound Output:**
    - Check all power connections and ensure the mixer is turned on.
    - Verify that main output faders and channel faders are raised.
    - Ensure speakers/amplifiers are powered on and connected correctly.
    - Check input gain levels for each channel.

- **Distorted Sound:**
    - Reduce input gain if the "Peak Signal Indicator" (PK!) is constantly lit.
    - Lower channel volume faders or the main output fader.
    - Check for damaged cables.

- **Phantom Power Not Working:**
    - Ensure the 48V phantom power switch is engaged.
    - Verify that the microphone requires phantom power and is connected via an XLR cable.

- **Bluetooth Connection Issues:**
    - Ensure the mixer is in Bluetooth mode.
    - Check that your device's Bluetooth is enabled and discoverable.
    - Move your device closer to the mixer to reduce interference.

- **USB Playback/Recording Failure:**
    - Ensure the USB flash drive is formatted to FAT32.
    - Check that audio files are in a supported format (MP3/WAV/Lossless APE/FLAC).
    - Try a different USB drive.

8. SPECIFICATIONS

Feature	Specification
Model Number	MI8418 6 Channel
Number of Channels	6
Connectivity Technology	Auxiliary, Bluetooth, USB
Power Source	Corded Electric
Audio Input	MIC/Line
Output Connector Type	USB, others (to be confirmed)
Parcel Dimensions	41.8 x 37.4 x 9 cm; 3.38 kg
Manufacturer	Kmise

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Kmise website. Specific warranty terms may vary by region and retailer.