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› [WEYMIC A-Series 6-Channel Professional Audio Mixer Instruction Manual](#)

WEYMIC 6 Channel

WEYMIC A-Series 6-Channel Professional Audio Mixer Instruction Manual

Model: 6 Channel

Brand: WEYMIC

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your WEYMIC A-Series 6-Channel Professional Audio Mixer. This mixer is designed for various audio applications, including recording, DJ performances, stage events, and karaoke, offering features such as 99 DSP effects, USB drive recording and playback, Bluetooth connectivity, and 48V phantom power.

2. SAFETY INSTRUCTIONS

- **Power Supply:** Use only the provided power adapter. Ensure the voltage matches the requirements specified on the unit.
- **Water and Moisture:** Do not expose the unit to rain, moisture, or any liquids. Avoid placing objects filled with liquids on the unit.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.
- **Heat Sources:** Keep the unit away from heat sources such as radiators, heat registers, stoves, or other heat-producing appliances.
- **Cleaning:** Disconnect the power before cleaning. Use a dry, soft cloth. Do not use liquid cleaners or aerosol cleaners.
- **Servicing:** Do not attempt to service this unit yourself. Refer all servicing to qualified service personnel.
- **Cables:** Protect power cords from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

3. PRODUCT FEATURES

- Low noise, high-precision preamplifier for clear audio.
- Ultra-thin and robust all-metal body design.
- Integrated 48V phantom power for condenser microphones.

- USB input for MP3 playback and computer recording.
- Built-in Bluetooth for wireless audio streaming.
- 99 Digital Signal Processing (DSP) effects for enhanced audio.
- XLR microphone and instrument input jacks.
- Compatible with various devices for home KTV, band performances, campus events, and conferences.

4. CONTROLS AND FUNCTIONS OVERVIEW

The WEYMIC A-Series 6-Channel mixer features a comprehensive set of controls for managing audio inputs, effects, and outputs. Refer to the image below for a visual guide to the mixer's front panel.



Figure 1: Front Panel Layout of the WEYMIC A-Series 6-Channel Mixer

This image displays the full front panel of the WEYMIC A-Series 6-Channel Professional Audio Mixer. It shows the input jacks at the top, followed by individual channel controls for gain, EQ, and volume. The right side features the DSP effects section, USB/Bluetooth player controls, and master output controls. Key indicators like SIG (signal) and PKI (peak) are also visible.

4.1. Input Section (Top Panel)

- **CH 1 / CH 2 (MIC/LINE):** Combo XLR/TRS jacks for connecting microphones or line-level instruments.
- **+48V:** Button to activate 48V phantom power for condenser microphones on CH 1 and CH 2. An indicator light shows when it is active.

- **CH 3-4 (L/mono, Right):** TRS jacks for stereo line-level inputs (e.g., keyboards, media players). Use L/mono for mono input.
- **MAIN_L / MAIN_R:** XLR outputs for connecting the main stereo mix to powered speakers or an amplifier.
- **FOOT_SW:** Input for a footswitch to control DSP effects (e.g., turn on/off).
- **PHONES:** TRS jack for connecting headphones.

4.2. Channel Controls (CH 1, CH 2, CH 3-4, CH 5-6 IN)

- **GAIN:** Adjusts the input sensitivity for each channel. Use to set the optimal signal level without clipping.
- **LOW CUT:** Activates a high-pass filter to remove unwanted low-frequency rumble (e.g., stage noise, breath sounds).
- **HIGH:** Treble EQ control. Adjusts high frequencies (-15dB to +15dB).
- **LOW:** Bass EQ control. Adjusts low frequencies (-15dB to +15dB).
- **EQ FX:** Sends the channel signal to the internal DSP effects processor.
- **VOL (Volume):** Adjusts the output level of the individual channel to the main mix.
- **SIG (Signal Indicator):** Green LED illuminates when a signal is present.
- **CH 5-6 IN:** Volume control for the USB/Bluetooth player input.

4.3. DSP Effects Section

- **DSP MODE Display:** Shows the currently selected effect number (1-99).
- **MODE / Rotate select / Press set:** Rotary encoder to select DSP effects. Rotate to browse, press to confirm.
- **DSP EFX VOL:** Adjusts the overall volume of the DSP effects.
- **PARA1 / PARA2:** Parameters for adjusting the selected DSP effect (e.g., delay time, reverb decay).
- **DSP MODE List:** A printed list on the panel indicates the range of effects available (e.g., KTV ECHO, DELAY, FLANGER, CHORUS, HALL, ROOM, PLATE, GATE, REF/SLAP, MONO DELAY, ST DELAY, P-P DELAY, TAPE DELAY, ECHO).

4.4. USB/Bluetooth Player/Recorder Section

- **Ukey/PC Recorder/Player (USB Port):** Connect a USB flash drive for MP3 playback or recording. Connect to a computer via USB for recording or playback.
- **Transport Controls (Play/Pause, Skip Forward/Backward):** For controlling USB/Bluetooth playback.
- **REC:** Button to initiate recording to a connected USB drive.
- **MP3:** Button to switch between USB/PC and Bluetooth modes.
- **Pair:** Button to initiate Bluetooth pairing mode.
- **BT PLAYER VOL:** Volume control for the Bluetooth audio input.

4.5. Master Output Section

- **MAIN OUT VOL:** Master volume control for the main stereo output (MAIN_L/R).
- **PHONES VOL:** Volume control for the headphone output.
- **L-R STEREO MODE:** Indicator for stereo output.
- **Level Meters (PKI, 0, -5, -10, -15, -20):** Visual indicators for the main output level, showing left (L) and right (R) channels. PKI (Peak Indicator) warns of clipping.

5. SETUP GUIDE

5.1. Power Connection

1. Ensure the mixer's power switch is in the OFF position.
2. Connect the provided power adapter to the mixer's DC input jack.
3. Plug the power adapter into a suitable electrical outlet.

5.2. Connecting Audio Sources

- **Microphones:** Connect XLR microphones to CH 1 or CH 2 using XLR cables. If using condenser microphones, activate the +48V phantom power.
- **Instruments/Line Devices:** Connect instruments (e.g., guitars, keyboards) or line-level devices (e.g., CD players) to CH 1 or CH 2 using 1/4" TRS cables, or to CH 3-4 (L/mono, Right) for stereo input.
- **Computer (USB):** Connect a USB cable from the mixer's USB port to your computer. The mixer will function as an audio interface for recording and playback.

5.3. Connecting Output Devices

1. **Main Speakers/Amplifier:** Connect the MAIN_L and MAIN_R XLR outputs to your powered speakers or amplifier inputs using XLR cables.
2. **Headphones:** Plug your headphones into the PHONES jack.

6. OPERATING INSTRUCTIONS

6.1. Basic Mixing

1. Turn on the mixer and all connected audio devices.
2. Set all channel GAIN controls to minimum and channel VOL controls to the center (0) position. Set MAIN OUT VOL to minimum.
3. For each active input channel, gradually increase the GAIN control until the SIG indicator lights consistently, but the PKI (Peak) indicator on the master section does not flash frequently.
4. Adjust the HIGH and LOW EQ controls for desired tonal balance.
5. Slowly raise the MAIN OUT VOL to a comfortable listening level.
6. Adjust individual channel VOL controls to balance the mix.

6.2. Using DSP Effects

1. Rotate the MODE encoder to select a desired effect number (1-99) from the DSP MODE list. Press the encoder to confirm.
2. Adjust the DSP EFX VOL to control the overall effect level.
3. Use the PARA1 and PARA2 controls to fine-tune the selected effect's parameters.
4. For each channel you wish to apply effects to, adjust its EQ FX control to send signal to the DSP processor.

6.3. Bluetooth Operation

1. Press the MP3 button until the display indicates Bluetooth mode.
2. Press the Pair button to enter pairing mode. The Bluetooth indicator will flash.
3. On your Bluetooth device (e.g., smartphone), search for available devices and select "WEYMIC Mixer" (or similar).

4. Once paired, the indicator will stop flashing. Play audio from your device.
5. Adjust the BT PLAYER VOL on the mixer and the volume on your Bluetooth device.

6.4. USB Playback and Recording

- **USB Playback:** Insert a USB flash drive containing MP3 files into the USB port. The mixer will automatically detect and begin playback. Use the transport controls to navigate tracks. Adjust CH 5-6 IN VOL.
- **USB Recording:** Insert a formatted USB flash drive. Press the REC button to start recording the main mix. Press REC again to stop.
- **Computer Recording:** Connect the mixer to your computer via USB. The mixer will appear as an audio input device. Select it in your Digital Audio Workstation (DAW) software to record the main mix.

7. MAINTENANCE

- **Cleaning:** Regularly wipe the mixer's surface with a soft, dry cloth. Avoid abrasive cleaners or solvents.
- **Dust Protection:** When not in use, cover the mixer to prevent dust accumulation, especially in the faders and knobs.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

- **No Sound Output:**
 - Check power connection and ensure the mixer is turned on.
 - Verify all cable connections (inputs, outputs, speakers).
 - Ensure channel GAIN and VOL controls are not at minimum.
 - Check MAIN OUT VOL and PHONES VOL levels.
 - Confirm connected speakers/amplifier are powered on and functioning.
- **Distorted Sound:**
 - Reduce channel GAIN if the PKI indicator on the master section is constantly lit.
 - Lower individual channel VOL controls.
 - Check input source levels for clipping.
- **Hum or Noise:**
 - Ensure all cables are properly shielded and connected.
 - Check for ground loops; try plugging all audio equipment into the same power strip.
 - Engage LOW CUT on microphone channels if rumble is present.
- **Bluetooth Not Connecting:**
 - Ensure the mixer is in Bluetooth pairing mode (indicator flashing).
 - Make sure your device's Bluetooth is enabled and within range.
 - Forget previous pairings on your device and try pairing again.
- **USB Recording Not Working:**
 - Ensure the USB flash drive is properly inserted and formatted (FAT32 is commonly supported).
 - Check if the USB drive has sufficient free space.
 - If recording to PC, ensure the mixer is selected as the input device in your computer's sound settings and DAW.

9. SPECIFICATIONS

Brand	WEYMIC
Model Number	6 Channel
Number of Channels	6 (Inputs: CH1, CH2, CH3-4, CH5-6/USB/BT)
Item Weight	10.12 pounds (4.6 Kilograms)
Package Dimensions	16.14 x 16.14 x 5.51 inches
Power Source	Corded Electric
Voltage	110 Volts
Connectivity Technology	XLR, TRS, USB, Bluetooth
DSP Effects	99 modes (KTV Echo, Delay, Flanger, Chorus, Hall, Room, Plate, Gate, Ref/Slap, Mono Delay, Stereo Delay, P-P Delay, Tape Delay, Echo)
Phantom Power	48V (for CH 1 & CH 2)

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact WEYMIC customer service directly. Keep your proof of purchase for any warranty claims.