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Yamnweo MW-4

Yamnweo MW-4 4-Channel Audio Mixer User Manual

Model: MW-4

1. Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your Yamnweo MW-4 4-Channel Audio Mixer. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize your audio experience. Keep this manual for future reference.

2. Product Overview

The Yamnweo MW-4 is a versatile 4-channel audio mixer designed for various applications including live streaming, podcasting, recording, and general audio mixing. It features integrated Bluetooth connectivity, USB recording capabilities, and 99 built-in digital sound effects (DSP).

2.1 Key Features

- **4-Channel Mixing:** Provides inputs for multiple audio sources.
- **99 DSP Effects:** Built-in digital echo machine with various sound effects.
- **Bluetooth 5.0:** Wireless audio input for seamless device connection.
- **USB Audio Interface:** Connects to PC for recording and playback.
- **USB Playback/Recording:** Direct audio playback from or recording to a U disk.
- **+48V Phantom Power:** Supports condenser microphones.
- **Headphone Monitoring:** Dedicated output for real-time audio monitoring.
- **Wide Compatibility:** Works with iOS, Android, tablets, and MP3 players.

2.2 Component Identification

Refer to the diagram below for an overview of the mixer's controls and connections.



Figure 1: Yamnweo MW-4 Audio Mixer Front and Rear Panel Layout.

This image displays the top and rear panels of the Yamnweo MW-4 mixer with various components labeled. The top panel includes MIC/LINE inputs (XLR/TRS combo jacks), PAD buttons, +48V phantom power buttons, GAIN controls, HIGH/LOW EQ knobs, FX send knobs, PAN controls, and LEVEL faders for each channel. It also shows the USB port, Bluetooth module, DSP effects display, PROGRAM knob, BT/USB/REP/REC buttons, AUX input, PHONE output, MAIN OUTPUT (XLR/TRS combo jacks), and main L/R faders. The rear panel shows the USB power port and the AC17V power input.

Key components include:

- **MIC/LINE Inputs (1-4):** Combo jacks for XLR microphones or 1/4" line-level instruments.
- **+48V Phantom Power:** Button to activate phantom power for condenser microphones.
- **PAD Button:** Attenuates input signal by 20dB for high-level sources.
- **GAIN Knob:** Adjusts input sensitivity for each channel.
- **HIGH/LOW EQ Knobs:** Adjusts treble and bass frequencies for each channel.
- **FX Knob:** Controls the amount of effect sent from each channel.
- **PAN Knob:** Adjusts the stereo position (left/right) of the channel's signal.

- **LEVEL Knob/Fader:** Controls the output volume of each channel.
- **DSP Effects Display:** Shows the selected digital effect number.
- **PROGRAM Knob:** Selects and confirms DSP effects.
- **BT/USB/REP/REC Buttons:** Controls Bluetooth, USB playback, repeat, and recording functions.
- **AUX Input:** RCA inputs for external audio devices.
- **PHONE Output:** 6.5mm jack for headphone monitoring.
- **MAIN OUTPUT (L/R):** XLR/TRS combo jacks for connecting to main speakers or amplifiers.
- **USB Power Port:** For connecting to a computer or power adapter.
- **AC17V Power Input:** Main power connection.

2.3 Product Video Overview

Watch this video for a visual overview of the Yamnweo MW-4 mixer's features and appearance.

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Video 1: Overall Product Appearance and Key Features.

This video demonstrates the physical appearance of the Yamnweo MW-4 mixer, highlighting its various input/output ports, control knobs, faders, and the digital display for effects. It visually explains features such as Bluetooth connectivity, PC connection, +48V phantom power, USB playback, and ear monitoring.

3. Setup Guide

3.1 Power Connection

1. Ensure the mixer's power switch is in the OFF position.
2. Connect the provided AC power adapter to the AC17V power input on the rear panel of the mixer.
3. Plug the power adapter into a suitable electrical outlet.
4. Turn the power switch to the ON position. The power indicator light will illuminate.



Figure 2: Power Input on the Rear Panel.

This image shows the rear panel of the mixer, highlighting the power switch and the AC17V power input port, which is a three-pin connector.

3.2 Connecting Microphones and Instruments

1. Connect your microphones (XLR) or instruments (1/4" TRS/TS) to the respective MIC/LINE input jacks (1-4).
2. If using a condenser microphone, press the **+48V** phantom power button for the corresponding channel. Ensure dynamic microphones do not have +48V activated.
3. For high-output sources, press the **PAD** button to attenuate the signal by 20dB and prevent clipping.



Figure 3: Microphone Connection and +48V Activation.

This image illustrates a microphone connected to one of the mixer's input channels, with the +48V phantom power button illuminated, indicating it is active for condenser microphones.

3.3 Connecting to a PC (USB Audio Interface)

1. Connect the mixer to your computer using a USB-B to USB-A cable. The USB port is located on the top panel.
2. Your computer should automatically recognize the mixer as an audio device. No special drivers are typically required.
3. Select the mixer as your input/output device in your computer's sound settings or your Digital Audio Workstation (DAW) software.



Figure 4: PC Connection via USB.

This image shows the Yamnweo MW-4 mixer connected to a laptop via a USB cable, demonstrating its use as an audio interface for computer-based recording or live streaming.

3.4 Bluetooth Connection

1. Press the **BT** button on the mixer's control panel. The Bluetooth indicator light will flash.
2. On your mobile device (smartphone, tablet), search for available Bluetooth devices and select "Yamnweo Mixer" (or similar name).
3. Once paired, the Bluetooth indicator light will become solid, and you can play audio from your device through the mixer.



Figure 5: Bluetooth 5.0 Connectivity.

This image depicts a smartphone wirelessly connected to the Yamnweo MW-4 mixer via Bluetooth, illustrating the ability to stream audio from a mobile device to the mixer.

3.5 USB Playback and Recording

1. Insert a USB flash drive into the USB port on the mixer.
2. To play audio from the USB drive, press the **USB** button. Use the **PROGRAM** knob to navigate tracks and the **REP** button for repeat functions.
3. To record audio to the USB drive, press the **REC** button. The mixer will record the main mix to the USB drive.



Figure 6: USB Playback and Recording.

This image shows a USB flash drive inserted into the mixer's USB port, indicating its capability for direct audio playback from or recording to a USB storage device.

3.6 Headphone Monitoring

1. Connect your headphones to the **PHONE** 6.5mm jack.
2. Adjust the **PHONE** level knob to control the headphone volume.
3. This allows you to monitor the main mix without affecting the main output.



Figure 7: Headphone Monitoring Setup.

This image displays a pair of headphones connected to the mixer's 6.5mm PHONE output, illustrating the dedicated monitoring capability for users.

4. Operating Instructions

4.1 Adjusting Input Levels (GAIN)

The **GAIN** knob controls the input sensitivity of each channel. Adjust it so that the signal peaks are strong but do not consistently hit the red "CLIP" indicator. This ensures a clean signal without distortion.

4.2 Equalization (EQ)

Each channel features **HIGH** and **LOW** EQ knobs to shape the tone of your audio. Turn the**HIGH** knob clockwise to boost treble frequencies (e.g., for vocal clarity) and counter-clockwise to cut them. Similarly, use the **LOW** knob to boost or cut bass frequencies (e.g., for instrument warmth).



Figure 8: High and Low EQ Controls.

This image provides a close-up view of the mixer's equalization section, showing the GAIN, HIGH, and LOW frequency adjustment knobs for individual channels, allowing for precise tonal shaping.

4.3 Applying Digital Effects (DSP)

The MW-4 mixer includes 99 digital sound effects. To use them:

1. Turn the **PROGRAM** knob to select an effect number (1-99) displayed on the digital screen.
2. Press the **PROGRAM** knob to confirm your selection.
3. Use the **FX** knob on each channel to send a desired amount of that channel's signal to the selected effect.
4. Adjust the main **FX LEVEL** knob to control the overall volume of the effects in the main mix.



Figure 9: 99 DSP Reverberation Effects.

This image highlights the digital display on the mixer, showing the selection of one of the 99 available DSP (Digital Signal Processing) reverberation effects, indicating the mixer's built-in effects processing capabilities.

4.4 Panning and Channel Level

- The **PAN** knob adjusts the stereo image of each channel, allowing you to position the sound from left to right in the stereo field.
- The **LEVEL** knob/fader for each channel controls its individual volume contribution to the main mix.

4.5 Main Output Level

The **MAIN L/R** faders control the overall output volume of the mixer. Adjust these to achieve the desired listening level through your main speakers or recording device.

5. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the mixer's surface. Avoid abrasive cleaners or solvents.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the mixer to strong impacts.
- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating.

6. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No sound output	Power not connected or switched on. Main L/R faders are down. Channel LEVEL knobs are down. Incorrect input/output connections. Speakers/headphones not connected or turned on.	Check power supply and switch. Raise Main L/R faders. Raise channel LEVEL knobs. Verify all audio cables are correctly connected. Ensure monitoring devices are powered and connected.
Distorted sound	GAIN too high. Channel LEVEL too high. PAD button not engaged for high-output sources.	Reduce GAIN until the CLIP indicator no longer flashes red. Lower channel LEVEL. Engage the PAD button for the affected channel.
No sound from a specific channel	Channel LEVEL knob is down. Incorrect input connection. +48V not activated for condenser mic. Faulty cable or microphone.	Raise channel LEVEL. Check cable connection to the correct input. Activate +48V if using a condenser microphone. Test with a different cable or microphone.
Bluetooth connection issues	Bluetooth not enabled on mixer or device. Device too far from mixer. Interference.	Ensure BT button is pressed and indicator is flashing/solid. Move device closer to the mixer. Reduce other wireless interference.

7. Specifications

Feature	Detail
Model	MW-4
Channels	4
DSP Effects	99 modes (Digital Echo Machine)
Bluetooth Version	5.0
Phantom Power	+48V (selectable per channel)
USB Audio Interface	Built-in for PC connection
USB Playback/Recording	Supports U disk direct operation
Voltage	110 Volts (AC)
Item Weight	3.7 Pounds (approx. 1.68 kg)
Product Dimensions	12.5"D x 8.8"W x 5"H (approx. 31.75 x 22.35 x 12.7 cm)

8. Warranty and Support

Yamnweo products are designed for reliability and performance. For warranty information, technical support, or service

inquiries, please refer to the official Yamnweo website or contact your authorized dealer. Please retain your proof of purchase for warranty claims.
For further assistance, visit the Yamnweo Store on Amazon.

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