Yamnweo AD14

Yamnweo AD14 Professional Audio Mixer User Manual

Model: AD14

1. Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your Yamnweo AD14 Professional Audio Mixer. The AD14 is a 4-channel digital audio interface controller designed for various applications including stage performances, live streaming, and studio recording. It features USB, Bluetooth, and MP3 compatibility, 48V phantom power, and a 100-bit DSP effect processor. Please read this manual thoroughly to ensure proper use and to maximize the performance of your device.

2. Product Overview

The Yamnweo AD14 mixer integrates multiple functions to provide a versatile audio mixing solution. Below is an overview of its main components and features.



Figure 2.1: Yamnweo AD14 Professional Audio Mixer. A front-angle view of the AD14 mixer, showcasing its compact design and the layout of its controls, including input jacks, knobs, faders, and the digital display.



Figure 2.2: AD14 Mixer Control Layout. This image displays the front panel of the Yamnweo AD14 mixer with labels indicating various inputs, outputs, and control knobs. Key elements include audio inputs (MIC1, MIC2, STEREO), 6.5mm headphone output, main output, USB/OTG port, gain controls, high/low frequency adjustments, attenuation pads, channel volume controls, DSP effect display, program knob, and main L/R level control. The rear panel shows the USB power port.

2.1 Key Features

- **4-Channel Audio Interface:** Mix audio from microphones, external devices, and digital sources.
- **Independent Channel Control:** Each channel features independent master volume, balancing, and high/low frequency adjustments.
- **Multiple Compatibility:** Supports USB, flash reader, MP3, and Bluetooth devices for input and recording.
- **Bluetooth Wireless Connection:** Stream music wirelessly from smartphones, tablets, and computers.
- **48V Phantom Power:** Two XLR inputs provide switchable 48V phantom power for condenser microphones.
- **100 DSP Effect Processor:** Built-in digital signal processing with 100 effects for various scenarios, including delay and reverb.
- **USB Recording:** Record directly to a U disk or connect to a computer for recording.

3. Setup

3.1 Power Connection

1. Locate the USB power port on the rear of the mixer.
2. Connect the provided USB power cable to the mixer's USB power port.
3. Connect the other end of the USB cable to a 5V DC power supply (e.g., a USB wall adapter or power bank).



Figure 3.1: Mixer with various input devices. This diagram illustrates how to connect different audio sources to the AD14 mixer, including electronic keyboards, mobile phones, laptops, guitars, condenser microphones, and wired microphones. It also shows connections for loudspeaker boxes and headphones, and power options via power bank or power supply.

3.2 Connecting Audio Sources

The AD14 mixer supports a variety of audio input devices.

- **Microphones:** Connect XLR microphones to MIC/LINE 1 or MIC/LINE 2 inputs. For condenser microphones requiring phantom power, ensure the +48V button is engaged (see Section 4.5). Dynamic microphones do not require phantom power.
- **Line-Level Devices:** Connect instruments (e.g., guitar, keyboard) or other line-level audio sources to the LINE 3/4 inputs using

1/4" TS/TRS cables.

- **USB Devices:** Insert a USB flash drive into the USB port for MP3 playback or recording. Connect a computer via the USB port for digital audio input/output.
- **Bluetooth Devices:** Pair your mobile phone, tablet, or computer wirelessly (see Section 4.2).



Figure 3.2: XLR and 6.5mm Input/Output. This image highlights the universal input interfaces on the AD14 mixer, showing both XLR and 6.5mm jack connections. It also indicates that +48V phantom power is only active when an XLR input is used.

3.3 Connecting Output Devices

- **Main Output:** Connect your main speakers or recording interface to the MAIN OUT (LEFT/RIGHT) ports using 1/4" TS/TRS cables.
- **Headphones:** Connect headphones to the PHONE output using a 6.5mm jack for monitoring.

4. Operating Instructions

4.1 Basic Channel Control

- **GAIN:** Adjusts the input sensitivity for each channel. Start with the GAIN knob fully counter-clockwise and gradually increase until the signal is strong without clipping (indicated by the PEAK LED).
- **PAD:** Engages an attenuation pad for high-level input signals, preventing distortion.
- **HIGH/LOW:** Adjusts the high and low frequencies for tone shaping on each channel.
- **FX:** Controls the amount of effect sent from the channel to the DSP processor.
- **VOL (Volume):** Adjusts the output level of each individual channel.

4.2 Bluetooth Connection

1. Ensure the mixer is powered on.
2. Press the "MODE" button on the mixer's digital display section until "BT" or "Bluetooth" is shown.
3. On your Bluetooth device (smartphone, tablet, computer), search for available Bluetooth devices.
4. Select "AD14 Mixer" (or similar name) from the list to pair.
5. Once connected, you can stream audio from your device to the mixer. Use the built-in controls (play/pause, skip tracks) on the mixer for playback control.



Figure 4.1: Bluetooth Connection. This image demonstrates connecting a mobile phone to the AD14 mixer via Bluetooth. It shows the

phone displaying a music player interface and the mixer ready to receive the audio stream wirelessly.

4.3 USB Connection and Recording

The AD14 mixer allows for both USB audio input/output with a computer and direct recording to a USB flash drive.

4.3.1 Connecting to a Computer

1. Connect the mixer to your computer using a USB cable.
2. The computer should recognize the mixer as an audio device. Select it as your input/output device in your operating system's sound settings or your Digital Audio Workstation (DAW) software.
3. You can now send audio from your computer to the mixer or record the mixer's output to your computer.



Figure 4.2: USB Connection. This image illustrates the AD14 mixer connected to a laptop via a USB cable, demonstrating its capability for easy computer integration for live streaming or recording.

4.3.2 Recording to a USB Flash Drive

1. Insert a formatted USB flash drive into the USB port on the mixer.

2. Press the "REC" button (if available, or refer to the digital display for recording mode) to start recording.
3. Press "REC" again to stop recording. The recorded audio will be saved to the USB drive.



Figure 4.3: USB Recording. This image shows the AD14 mixer's capability to record audio directly to a USB flash drive (U Disk) or to a laptop/PC via USB connection.

4.4 DSP Effects Processor

The AD14 features a built-in 100 DSP effect processor to enhance your audio.

1. Use the "PROGRAM (PUSH)" knob to browse through the 100 available effects. The selected effect number will be displayed on the digital screen.
2. Push the "PROGRAM" knob to confirm your selection.
3. Adjust the "FX" knob on individual channels to send the desired amount of signal to the effect processor.
4. Adjust the "EFF RET" (Effect Return) knob to control the overall level of the applied effect in the main mix.
5. The "FX VOL" knob controls the master volume of the effects.

4.5 48V Phantom Power

The mixer provides 48V phantom power for condenser microphones.

- Ensure your condenser microphone is connected to an XLR input (MIC/LINE 1 or MIC/LINE 2).

- Press the "+48V" button located above the XLR inputs to engage phantom power. The corresponding LED will illuminate.
- **Caution:** Only activate 48V phantom power when using condenser microphones that require it. Do not activate it for dynamic microphones or other devices that do not require it, as this could cause damage.

4.6 Monitoring

Use headphones to monitor your mix.

1. Connect your headphones to the "PHONE" output jack.
2. Adjust the "PHONES VOLUME" knob to set the desired monitoring level.



Figure 4.4: Ear Monitoring. This image shows a user wearing headphones connected to the AD14 mixer's headphone output, emphasizing the ability to monitor audio feedback and make adjustments.

4.7 Live Streaming Setup

The AD14 mixer is suitable for live streaming applications, allowing various audio sources to be mixed and sent to your streaming platform.



Figure 4.5: Live Streaming Connections. This diagram illustrates various input options for live streaming with the AD14 mixer, including PC input, USB input, Bluetooth input, TV input via RCA, mobile phone input via RCA and OTG (OTG adapter sold separately), and VOD input via 6.5mm jack.

To set up for live streaming:

- Connect your primary audio sources (microphones, instruments) to the mixer's input channels.
- Connect your computer or streaming device to the mixer via USB for digital audio transfer.
- Alternatively, use Bluetooth for wireless audio input from a mobile device.
- Ensure all levels are properly adjusted to prevent clipping and maintain clear audio quality.
- Monitor your mix using headphones connected to the PHONE output.

5. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the mixer's surface. Avoid using liquid cleaners or solvents, as they may damage the finish or internal components.
- **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.
- **Power Off:** Always power off the mixer and disconnect it from the power source when not in use for extended periods.

6. Troubleshooting

Problem	Possible Cause	Solution
No power	Power cable not connected; faulty power adapter; no power from outlet.	Ensure USB power cable is securely connected. Try a different USB power adapter or outlet.
No sound output	Volume knobs (channel, main, phone) turned down; incorrect input/output connections; faulty cables.	Check all volume controls. Verify all cables are correctly connected to inputs and outputs. Test with different cables.
Microphone not working	Incorrect connection; 48V phantom power not engaged (for condenser mics); gain too low.	Ensure microphone is connected to an XLR input. Activate +48V for condenser microphones. Increase GAIN.
Bluetooth not connecting	Mixer not in Bluetooth mode; device too far; interference.	Ensure mixer is in Bluetooth mode. Move device closer to mixer. Restart both devices.
Distorted audio	Input gain too high; output level too high; PAD not engaged for hot signals.	Reduce GAIN on input channels. Lower main output volume. Engage PAD for high-level inputs.

7. Specifications

Feature	Detail
Model	AD14
Brand	Yamnweo
Number of Channels	4
Connectivity Technology	Bluetooth, USB
Phantom Power	+48V (on XLR inputs)
DSP Effects	100 built-in effects
Power Source	Corded Electric (USB 5V)
Voltage	5 Volts
Item Weight	3.63 pounds (1.65 kg)
Product Dimensions	6.88"D x 6.06"W x 2.12"H (17.48 x 15.39 x 5.38 cm)

8. Warranty and Support

For any questions regarding your Yamnweo AD14 Professional Audio Mixer, please contact the seller or manufacturer directly. Refer to your purchase documentation for specific warranty details and customer support information.

You can visit the Yamnweo Store on Amazon for additional product information and support.