**Yamnweo XF12**

# Yamnweo XF12 Professional 12-Channel Audio Mixer User Manual

Model: XF12 | Brand: Yamnweo

## 1. Introduction

Thank you for choosing the Yamnweo XF12 Professional 12-Channel Audio Mixer. This mixer is designed to provide clear and realistic sound quality for various audio applications, including live mixing, podcasts, audio streams, video editing, and home karaoke. This manual provides detailed instructions for setting up, operating, and maintaining your device to ensure optimal performance.

## 2. Key Features

- **USB/Bluetooth Functionality:** Compatible with USB/flash card readers/MP3 for streaming music and recording to a USB memory stick or computer. Bluetooth allows wireless music transfer from smart devices. Includes built-in controls for play/pause/mode switching.
- **99 DSP Effect Processor:** Offers 99 digital signal processing effects to adapt to various scenes and enhance performances.
- **7-Band Equalizer Control:** Provides effective and precise 7-band balanced total volume adjustment for accurate, clear, and crisp sound quality.
- **Mute and Group Settings:** Each channel features an independent mute button. A custom grouping feature allows for separate mixing and adjustment of grouped channels.
- **Multi-functional Use:** Suitable for studio mixing, live performances, podcasts, audio streaming, video editing, and home karaoke.

## 3. Mixer Components Overview

Familiarize yourself with the various controls and connection points on your XF12 mixer:




Figure 3.1: Front panel layout of the Yamnweo XF12 mixer, showing all input/output interfaces and control knobs.

**Recording Output:** RCA outputs for connecting to recording devices.

**AUX1/AUX2 Output Interface:** Auxiliary outputs for sending signals to external effects or monitor systems.

**Left and Right Main Channel Output:** XLR and 1/4" TRS outputs for connecting to main speakers or amplifiers.

**Monitor Headphone Output:** 1/4" TRS output for connecting headphones for monitoring.

**AUX Return Interface:** Inputs for returning signals from external effects processors.

**U Disk Recording/Mobile OTG:** USB port for connecting USB drives for playback and recording, or mobile devices via OTG.

**MP3 Operation Knob:** Controls for MP3 playback functions.

**Function Mode Selection:** Buttons to select different operating modes (USB, Bluetooth, etc.).

**MP3 High and Low Bass Knob:** Equalization controls for MP3 playback.

**AUX Output Knob:** Controls the level of the auxiliary output.

**Headset Volume Knob:** Adjusts the volume for the headphone output.

**48V Phantom Power Switch:** Activates +48V phantom power for condenser microphones.

**Effect Selector Switch:** Rotary knob to select from 99 built-in DSP effects.

**Return Volume Adjustment:** Controls the volume of the returned auxiliary signal.

**Cannon, 6.5 Dual Interface (MIC/LINE):** Combination XLR/TRS inputs for microphones and line-level instruments.

**Channel Attenuation (PAD -20dB):** Button to reduce input signal level by 20dB for high-output sources.

**Gain Control:** Adjusts the input sensitivity for each channel.

**Treble Regulation (EQ HI):** Adjusts high frequencies for each channel.

**Tenor Regulation (EQ MID):** Adjusts mid frequencies for each channel.

**Bass Tuning (EQ LOW):** Adjusts low frequencies for each channel.

**AUX1 Auxiliary Control Output:** Sends signal to AUX1 output.

**AUX2 Auxiliary:** Sends signal to AUX2 output.

**FX Effect Volume Control:** Adjusts the amount of effect applied to each channel.

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

**Mute Switch:** Mutes or unmutes individual channels.

**Monitor Switch:** Activates monitoring for the channel.

**Volume Fader:** Adjusts the main volume level for each channel.

**MP3 Volume Fader:** Adjusts the volume of the MP3 playback.

**Reverb Volume Fader:** Adjusts the overall volume of the reverb effects.

**MAIN Main Output Fader:** Adjusts the overall main output volume.

## 4. Setup and Connections

Proper connection of your audio mixer is essential for optimal performance. Follow these steps to set up your XF12 mixer:

### 4.1 Power Connection

1. Ensure the mixer's power switch is in the OFF position.
2. Connect the provided power adapter to the mixer's power input.
3. Plug the power adapter into a suitable electrical outlet (110V).

### 4.2 Input Connections

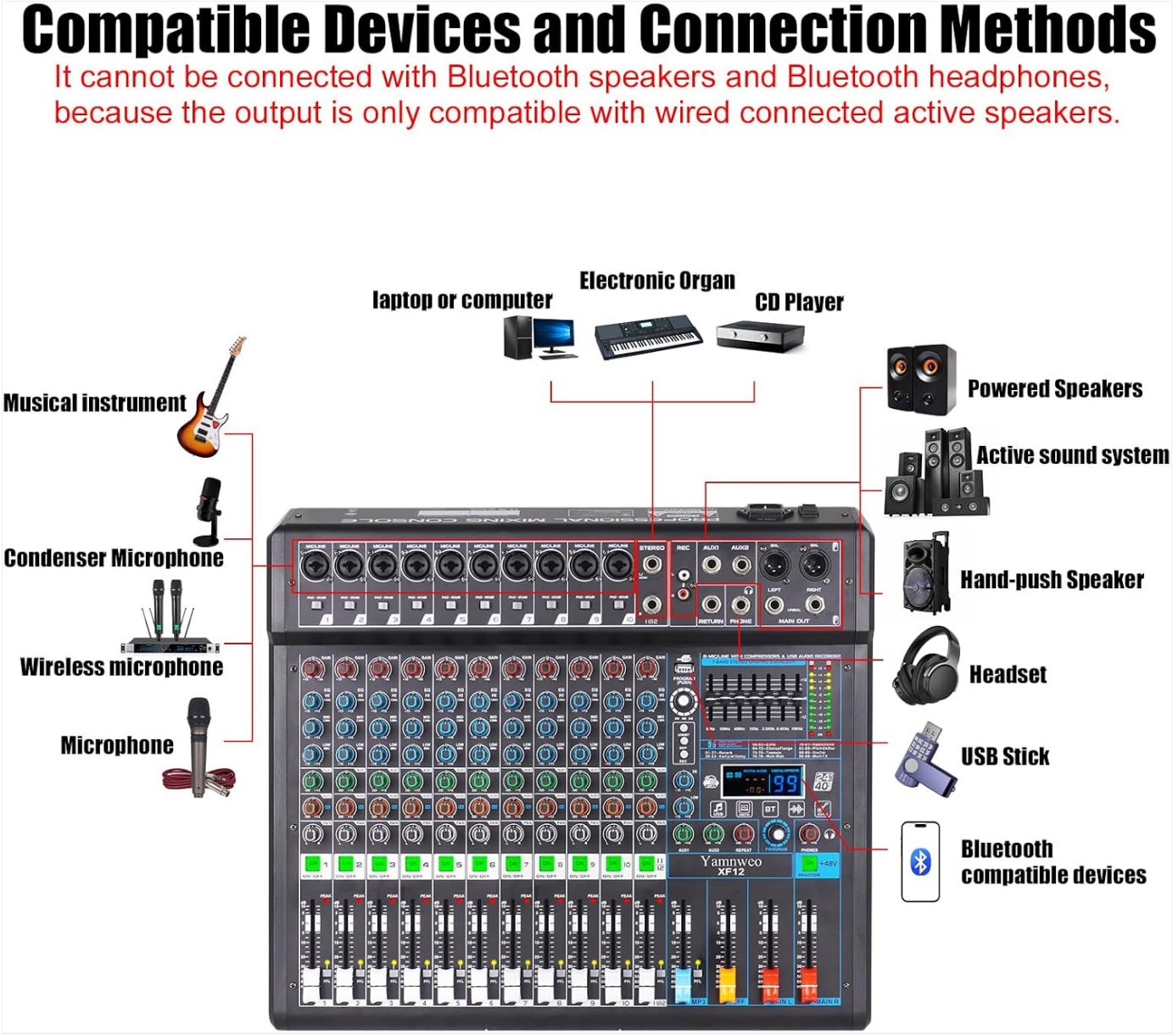



Figure 4.1: Connection diagram for various audio devices to the Yamnweo XF12 mixer.

1. **Microphones:** Connect dynamic or condenser microphones to the MIC/LINE inputs (Cannon/XLR or 6.5mm TRS) using appropriate cables. For condenser microphones, activate the +48V Phantom Power switch (see Section 4.4).
2. **Instruments:** Connect instruments like guitars, keyboards, or electronic organs to the MIC/LINE inputs using 6.5mm TRS cables.
3. **Line-Level Devices:** Connect CD players, laptops, or other line-level audio sources to the STEREO inputs (RCA or 1/4" TRS).

## 4.3 Output Connections

1. **Main Output:** Connect the MAIN OUT (XLR or 1/4" TRS) to your powered speakers or amplifier.
2. **Monitor Headphones:** Plug your headphones into the PHONE output for monitoring.
3. **Recording Devices:** Use the RECORDING OUTPUT (RCA) to connect to external recording equipment.
4. **Auxiliary Outputs:** Connect AUX1 and AUX2 outputs to external effects processors or stage monitors as needed.

## 4.4 48V Phantom Power




Figure 4.2: Activating 48V Phantom Power for condenser microphones.

The XF12 mixer supports +48V phantom power, which is required for condenser microphones. To activate:

1. Connect your condenser microphone to an XLR input.
2. Locate the "+48V Phantom Power" switch on the mixer.
3. Press the switch to activate phantom power. An indicator light will illuminate.
4. Always ensure the channel volume is turned down before activating or deactivating phantom power to prevent damage to equipment or loud pops.

## 5. Basic Operation

This section covers the basic operation of the XF12 mixer's controls.

### 5.1 Channel Controls

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Video 5.1: Demonstration of channel controls including gain, EQ, mute, and faders on the Yamnweo XF12 mixer.

1. **Gain Control:** Adjust the GAIN knob for each input channel to set the initial signal level. Aim for the PEAK indicator to flash only occasionally.
2. **Equalization (EQ):** Use the HI, MID, and LOW knobs to adjust the treble, midrange, and bass frequencies for each channel to shape the sound.
3. **PAN Control:** Adjust the PAN knob to position the channel's sound within the stereo field (left to right).
4. **AUX Sends:** Use the AUX1 and AUX2 knobs to send a portion of the channel's signal to the auxiliary outputs for monitors or effects.
5. **FX Send:** Use the FX knob to send a portion of the channel's signal to the internal effects processor.
6. **Mute Switch:** Press the MUTE button to silence a channel without changing its fader position.
7. **Channel Fader:** Use the vertical fader to control the individual volume level of each channel.

### 5.2 Master Controls

1. **MAIN Output Faders:** The MAIN L and MAIN R faders control the overall stereo output volume of the mixer.
2. **Headphone Volume:** Adjust the PHONES knob to control the volume of your monitor headphones.
3. **Effect Selector Knob:** Rotate the PROGRAM knob to cycle through the 99 built-in DSP effects. Press the knob to confirm selection.
4. **Effect Return Volume:** Adjust the EFF fader to control the overall volume of the selected effect returning to the main mix.

## 6. Media Playback and Recording

The XF12 mixer offers versatile media playback and recording capabilities.

### 6.1 USB Playback




Figure 6.1: USB and Bluetooth connectivity on the Yamnweo XF12 mixer.

1. Insert a USB flash drive containing MP3 audio files into the USB port.
2. Use the MP3 operation knob and function mode selection buttons to navigate and play tracks.
3. Adjust the MP3 volume fader to control the playback level.

## 6.2 Bluetooth Connectivity

1. Press the function mode selection button to switch to Bluetooth mode. The display will indicate Bluetooth pairing mode.
2. On your smartphone or tablet, search for available Bluetooth devices and select "XF12" (or similar name).
3. Once paired, you can stream audio wirelessly to the mixer.

## 6.3 USB Recording




Figure 6.2: Computer and mobile phone recording setup with the Yamnweo XF12 mixer.

1. **To USB Drive:** Insert a USB flash drive into the USB port. Press the REC button to start recording the main mix. Press again to stop.
2. **To Computer:** Connect the mixer to your computer via a USB cable. The mixer will function as an external sound card. Configure your computer's audio settings and recording software to use the mixer as the input device.
3. **To Mobile Phone (OTG):** Connect your mobile phone to the USB port using an OTG adapter (if required by your phone). Use a recording app on your phone to capture audio from the mixer.

## 7. Digital Effects Processor (DSP)

The XF12 features a built-in DSP with 99 effects to enhance your audio.




Figure 7.1: Digital display showing the 99 DSP effects available on the Yamnweo XF12 mixer.

1. **Selecting Effects:** Rotate the PROGRAM knob to browse through the 99 available effects. The effect number will be displayed on the screen. Press the PROGRAM knob to select the desired effect.
2. **Applying Effects to Channels:** Use the FX knob on each individual channel strip to send a portion of that channel's signal to the selected effect.
3. **Adjusting Effect Return:** Use the EFF fader to control the overall volume of the effect returning to the main mix.

## 8. Specifications

| Feature | Detail |
|---|---|
| Model Number | XF12 |
| Number of Channels | 12 |
| Item Weight | 11.82 pounds (5.36 kg) |

| Feature | Detail |
|---|---|
| Product Dimensions | 15.74"D x 18.14"W x 2.75"H (40cm x 46.1cm x 7cm) |
| Voltage | 110 Volts |
| Phantom Power | +48V |
| DSP Effects | 99 Built-in Reverb Effects |
| Connectivity | USB, Bluetooth, MP3, Computer Input |
| Equalizer | 7-band graphic equalizer for total volume |
| UPC | 762730095540 |

## 9. Maintenance and Care

To ensure the longevity and optimal performance of your Yamnweo XF12 mixer, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Avoid using abrasive cleaners, solvents, or waxes, as they may damage the finish or controls.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity. If transporting, use appropriate protective casing.
- **Ventilation:** Ensure adequate ventilation around the mixer to prevent overheating. Do not block ventilation openings.
- **Power Off:** Always power off the mixer and disconnect it from the power source when not in use for extended periods or during electrical storms.
- **Cable Management:** Keep cables organized and free from kinks or excessive tension to prevent damage to connectors and internal wiring.

## 10. Troubleshooting

If you encounter issues with your XF12 mixer, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---|---|---|
| No sound output | Power off; incorrect connections; faders down; mute engaged; faulty cables. | Check power, ensure all cables are correctly connected; raise main and channel faders; disengage mute buttons; test with different cables. |
| Distorted sound | Input gain too high; output level too high; faulty equipment. | Reduce channel GAIN; lower main output faders; check connected speakers/amplifiers for distortion; ensure PAD is engaged for high-output sources. |
| Microphone not working | Incorrect input; phantom power off (for condenser mics); faulty mic/cable. | Ensure mic is connected to MIC/LINE input; activate +48V phantom power if using a condenser mic; test with a different microphone or cable. |
| Bluetooth not connecting | Mixer not in Bluetooth mode; device not discoverable; interference. | Switch mixer to Bluetooth mode; ensure your device's Bluetooth is on and discoverable; try pairing again; move closer to the mixer. |

| Problem | Possible Cause | Solution |
|---|---|---|
| USB playback/recording issues | Incompatible USB drive; incorrect file format; USB drive full. | Ensure USB drive is formatted correctly (FAT32); verify audio files are MP3; check available space on USB drive. |

## 11. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the contact information provided with your purchase or visit the official Yamnweo website. Keep your purchase receipt as proof of purchase for warranty claims.


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**Details**

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