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› Yamnweo GF12PRO 12-Channel Audio Mixer Instruction Manual

Yamnweo GF12

Yamnweo GF12PRO 12-Channel Audio Mixer Instruction Manual

Model: GF12



1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Yamnweo GF12PRO 12-Channel Audio Mixer. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

The Yamnweo GF12PRO is a multi-functional 12-channel audio mixer designed for various applications, including stage performances, live shows, studio recording, and events. It features a large LCD color screen, a built-in 7-stage equalizer, 99 DSP reverb effects, and versatile connectivity options including USB and Bluetooth.



Figure 1: Front view of the Yamnweo GF12PRO 12-Channel Audio Mixer, showcasing its control layout and LCD screen.

2. SAFETY INSTRUCTIONS

To ensure safe operation and prolong the life of your mixer, please observe the following precautions:

- **Power Supply:** Use only the specified power adapter and voltage (110 Volts). Ensure the power cord is not damaged or pinched.
- **Moisture:** Do not expose the mixer to water, rain, or excessive humidity. Avoid placing liquid containers near the device.
- **Ventilation:** Ensure adequate ventilation around the mixer. Do not block ventilation openings.
- **Heat:** Keep the mixer away from heat sources such as radiators, heat registers, stoves, or other heat-producing appliances.
- **Cleaning:** Disconnect power before cleaning. Use a dry, soft cloth. Do not use liquid cleaners or aerosol cleaners.
- **Servicing:** Do not attempt to service the mixer yourself. Refer all servicing to qualified service personnel.
- **Placement:** Place the mixer on a stable, level surface to prevent accidental falls.

3. PRODUCT OVERVIEW

3.1 Key Features

- **12-Channel Input:** Supports multiple audio sources including microphones and instruments.

- **Large LCD Color Screen:** Provides clear visual feedback for settings and audio levels.
- **7-Stage Equalizer:** Main output features a 7-band stereo graphic equalizer for precise tone control.
- **99 DSP Effects:** Built-in digital signal processor with 99 selectable effects (reverb, echo, delay, chorus, flanger, tremolo, wah-wah, pitch shifter, radio voice, multi-FX).
- **USB/Bluetooth Connectivity:** Allows connection of USB storage devices for playback and recording, and Bluetooth for wireless audio input.
- **48V Phantom Power:** Available on select channels for condenser microphones.
- **Detachable Anti-Collision Strip:** Provides protection for the mixer during transport and use.

3.2 Component Identification

Refer to the images below for a visual guide to the mixer's components and interfaces.



Figure 2: Close-up view highlighting the detachable anti-collision strip, high-quality parts, HD display, various input/output interfaces, and the power supply connector.

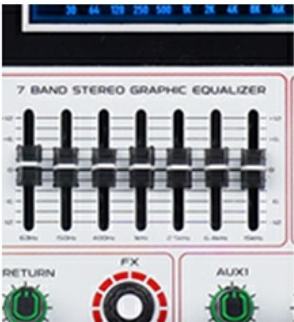
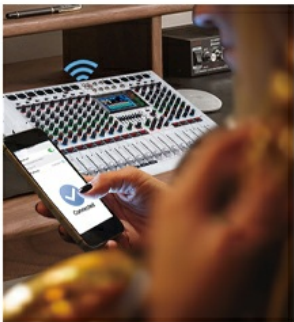


			
<p>L7 STAGE BALANCED CONTROL LOREM IPSUM</p>	<p>BUILT-IN BLUETOOTH RECEIVER</p>	<p>Built-in 99 DSP Effects</p>	<p>RUGGED STEEL CHASSIS</p>
<p>The 7-band equalizer consists of seven frequency bands, low frequency, low-mid frequency, mid-frequency, high-mid frequency, high frequency, ultra-high frequency, and high altitude frequency. When using it, you can adjust the sound parameters of each frequency band to realize the perfect adjustment of sound effects.</p>	<p>This portable multi channel DJ sound controller has Bluetooth for wireless streaming and use it as an input to mix signal with other input channels. It works with iPhone, Android, iPad, Tablet and MP3 Player. The wireless range is 15ft.</p>	<p>The 99 types of reverb effects not only give the sound a sense of space and increase the layering of timbres but also mask or attenuate the noise of several different scenes, making the sound softer and more natural.</p>	<p>This professional DJ mixer resists dust and dirt and provides full dynamic control for ultimate impact and clarity. This versatile mixer is perfect for high-quality stage shows, live performances, and karaoke, effortlessly realizing premium-quality, crystal-clear studio-quality music playback!</p>

Figure 3: Overview of key features: 7-band stereo graphic equalizer, built-in Bluetooth receiver, 99 DSP effects, and rugged steel chassis construction.

4. SETUP

4.1 Initial Placement and Power Connection

1. Place the mixer on a stable, flat surface.
2. Ensure the power switch is in the "OFF" position.
3. Connect the provided power adapter to the mixer's power input and then to a suitable 110V AC power outlet.

4.2 Connecting Audio Devices

The GF12PRO supports various audio input and output devices. Refer to the connection diagram below for typical setups.

MULTIPLE DEVICE INTERCONNECTION

Compatible with multiple audio devices for interconnection, achieving lossless mixing.



Figure 4: Example of multiple device interconnection, illustrating how to connect a computer, musical instruments (guitar), microphones (wireless mic), mobile phone, headphones, amplifier, and speakers to the mixer.

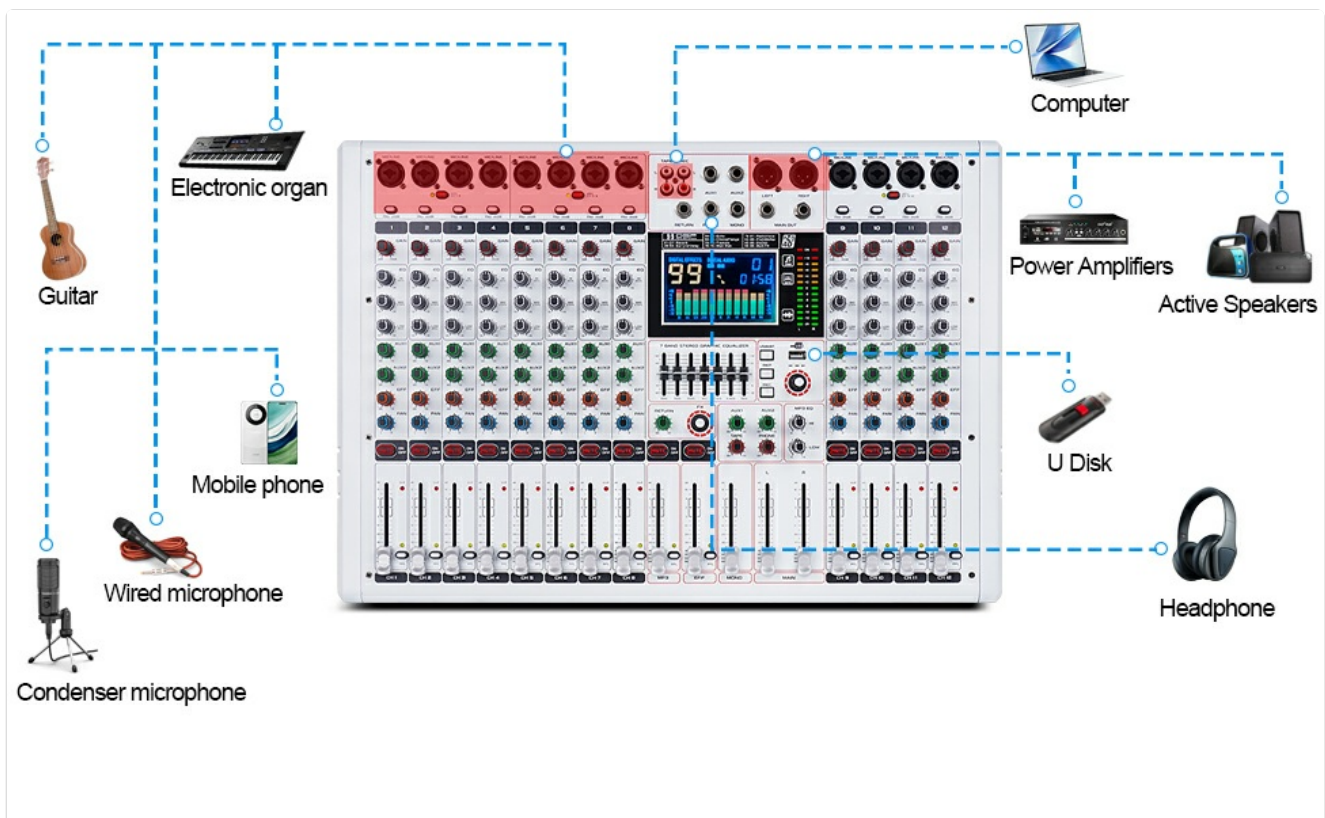


Figure 5: Comprehensive connection diagram detailing inputs for various instruments and microphones, and outputs to monitoring and amplification systems.

- **Microphones/Instruments:** Connect microphones (XLR or 1/4" TRS) and instruments (1/4" TS/TRS) to the respective input channels.
- **Main Output:** Connect your main speakers or amplifier to the MAIN OUT (XLR or 1/4" TRS) jacks.
- **Headphones:** Connect headphones to the PHONES jack for monitoring.
- **Auxiliary Inputs/Outputs:** Use AUX IN/OUT for external effects processors or monitoring.
- **USB:** Connect a USB drive for playback or recording, or connect to a computer for digital audio interface functionality.

5. OPERATING INSTRUCTIONS

5.1 Powering On and Basic Channel Operation

1. After connecting all devices, turn on the mixer's power switch.
2. For each input channel, adjust the **GAIN** knob to set the input level. The peak LED should flash occasionally, but not stay lit.
3. Use the **LEVEL** fader for each channel to control its volume in the mix.
4. The **PAN** knob adjusts the stereo position of the channel.
5. The **MUTE** button silences the channel.

INDEPENDENT CHANNEL ADJUSTMENT

Finer adjustments are possible for more accurate, crisp, and clear sound



Figure 6: Independent channel adjustment allows for precise control over each audio input, contributing to a clear and crisp sound.

5.2 Equalization (EQ)

Each channel typically includes EQ controls (HIGH, MID, LOW) to shape the tone of the input signal. The main output features a 7-band stereo graphic equalizer.

- **Channel EQ:** Adjust the HIGH, MID, and LOW knobs on each channel to fine-tune the sound of individual inputs.
- **Main Output 7-Stage Equalizer:** Use the faders on the 7-band graphic equalizer to adjust the overall frequency response of the main mix. This allows for efficient and musical total volume adjustment.

MAIN OUTPUT 7 STAGE EQUALIZER

INTEGRATING VOCALS WITH
MUSIC MORE EFFECTIVELY

THE EQUALIZER PROVIDES SEVEN FREQUENCY TONE
CONTROLS FOR EACH CHANNEL THROUGH PRECISE
HIGH-QUALITY TONE CONTROL

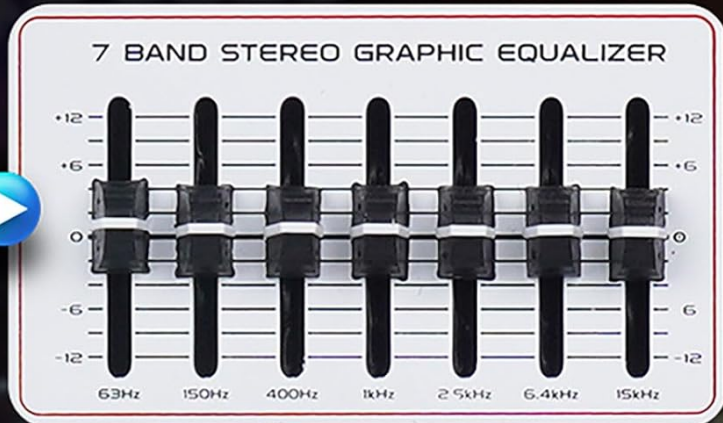


Figure 7: The 7-band stereo graphic equalizer provides precise frequency tone controls for the main output, enhancing the integration of vocals with music.

5.3 DSP Effects Processor

The mixer includes a 99-program DSP effects processor to add various effects to your audio.

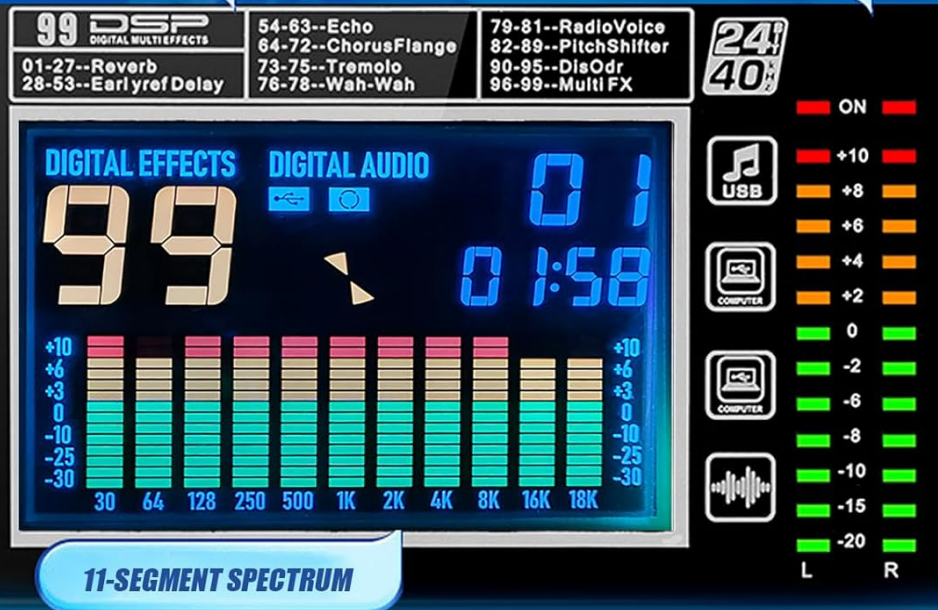
1. Use the **PROGRAM** knob to select one of the 99 available DSP effects. The selected effect number will be displayed on the LCD screen.
2. Adjust the **EFFECT SEND** knob on each channel to send a portion of that channel's signal to the DSP processor.
3. Adjust the **EFFECT RETURN** knob to control the overall level of the processed effect returning to the main mix.

ORIGINAL R&D DESIGN DYNAMIC SPECTRUM DISPLAY

Accurately display the peak beat of music, outdoor bright light irradiation can also be clearly visible

99 REVERBERATION EFFECTS

13 STAGE EQUILIBRIUM PEAK



ORIGINAL DESIGN LARGE SCREEN

Figure 8: The large LCD color screen accurately displays the dynamic spectrum and selected DSP effects, including 99 reverb effects and a 13-stage equilibrium peak indicator.

5.4 USB/Bluetooth Functionality

- **USB Playback/Recording:** Insert a USB storage device into the USB port. The mixer can play audio files from the device or record the main mix to it. Use the controls near the LCD screen to navigate and manage USB functions.
- **Bluetooth Connection:** Activate Bluetooth on your mobile phone, laptop, or tablet. Search for the mixer's Bluetooth ID and pair. Once connected, you can stream audio wirelessly to the mixer.

WIRELES BLUETOOTH

Users can connect to the device via mobile phone/laptop/tablet as audio input and adjust the audio source.



Figure 9: Wireless Bluetooth connectivity allows users to stream audio from mobile devices, laptops, or tablets directly to the mixer.

5.5 48V Phantom Power

For condenser microphones, the mixer provides 48V phantom power.

- Locate the **+48V PHANTOM** button, typically near the XLR inputs.
- Press this button to activate phantom power for the corresponding channels. Ensure condenser microphones are connected before activating. Do not activate phantom power for dynamic microphones or ribbon microphones unless specifically designed to handle it.

48V PHANTOM POWER

Press the 48 phantoms, to use a 48v Condenser Mic.



Figure 10: The 48V phantom power button, located near the microphone inputs, is used to supply power to condenser microphones.

5.6 High-Quality Recording

The mixer supports high-quality recording, allowing you to capture your mix directly to a computer or USB device.

- **USB Recording:** As mentioned in section 5.4, you can record the main mix directly to a connected USB storage device.
- **Computer Recording:** Connect the mixer to a computer via USB. The mixer will function as an audio interface, allowing you to record and edit audio using your preferred digital audio workstation (DAW) software.

HIGH -QUALITY RECORDING

Connecting the computer to record and edit processing.



Figure 11: The mixer can be connected to a computer for high-quality recording and subsequent audio processing.

6. MAINTENANCE

6.1 Cleaning

- Always disconnect the mixer from the power outlet before cleaning.
- Use a soft, dry, lint-free cloth to wipe the exterior surfaces.
- For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth. Avoid excessive moisture.
- Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the finish and internal components.

6.2 Storage

- When not in use for extended periods, store the mixer in a cool, dry place, away from direct sunlight and extreme temperatures.
- Consider using a dust cover to protect the controls and faders from dust accumulation.

7. TROUBLESHOOTING

If you encounter issues with your Yamnweo GF12PRO mixer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Power cable disconnected; power outlet faulty; power switch off.	Check power cable connection; try a different outlet; ensure power switch is ON.
No sound output	Main output fader down; channel fader down; mute engaged; incorrect cable connection; speaker/amplifier off.	Raise MAIN MIX fader; raise individual channel faders; disengage MUTE; check all audio cable connections; ensure speakers/amplifier are powered on and connected correctly.
Distorted sound	Input GAIN too high; output level too high; faulty cable.	Reduce input GAIN; reduce MAIN MIX or channel fader levels; try different cables.
Microphone not working	Incorrect input selected; phantom power off (for condenser mics); faulty mic/cable.	Ensure mic is connected to correct input; activate 48V phantom power if using a condenser mic; test with a different mic or cable.
Bluetooth not connecting	Bluetooth not enabled on device; mixer not in pairing mode; interference.	Ensure Bluetooth is active on your device; check mixer's Bluetooth mode; move closer to the mixer; restart both devices.

If the problem persists after trying these solutions, please contact customer support.

8. SPECIFICATIONS

Feature	Detail
Model	GF12PRO (GF12)
Brand	Yamnweo
Number of Channels	12
Product Dimensions (L x W x H)	23.8" x 18.3" x 5.98" (60.45 cm x 46.48 cm x 15.19 cm)
Item Weight	15.37 pounds (6.99 kg)
Voltage	110 Volts
Equalizer	7-Stage Stereo Graphic Equalizer (Main Output)
DSP Effects	99 Built-in Effects (Reverb, Echo, Delay, etc.)
Connectivity	USB, Bluetooth
Phantom Power	+48V (on select channels)

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official Yamnweo website. Keep your proof of purchase for warranty claims.

If you require technical assistance or have questions not covered in this manual, please contact Yamnweo customer service.

