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Yamnweo VR6

Yamnweo VR-6 PRO Professional Amplifier Mixer Console User Manual

Model: VR6

1. Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your Yamnweo VR-6 PRO Professional Amplifier Mixer Console. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.



Figure 1: Yamnweo VR-6 PRO Professional Amplifier Mixer Console. This image displays the overall front view of the Yamnweo VR-6 PRO mixer, showcasing its various controls, faders, and the central display screen.

2. Safety Information

To reduce the risk of electric shock, fire, or injury, please observe the following safety precautions:

- Do not open the unit. Refer all servicing to qualified personnel.
- Do not expose this appliance to rain or moisture.
- Ensure the power cord is securely connected and not damaged.
- Place the unit on a stable, level surface with adequate ventilation.
- Disconnect the power cord before cleaning or when not in use for extended periods.

3. Product Overview

The Yamnweo VR-6 PRO is a professional amplifier mixer console designed for various audio applications,

including live performances, DJ sets, and KTV entertainment. It integrates a powerful amplifier with a versatile mixer, offering extensive sound processing capabilities.

3.1 Key Features

- **High Power Output:** Built-in 550W x 2 amplifier for driving active speakers.
- **Digital Signal Processing (DSP):** Features 99 types of digital effects for sound enhancement.
- **Bluetooth Connectivity:** Allows wireless audio streaming from compatible devices.
- **USB Functionality:** Supports USB flash drive playback and recording.
- **Graphic Equalizer:** 7-band stereo graphic equalizer for main output adjustment.
- **Intelligent Noise Reduction:** High-fidelity processing chip to minimize background noise.
- **Large Screen Display:** Dynamic spectrum display for visual feedback.

3.2 Front Panel Controls

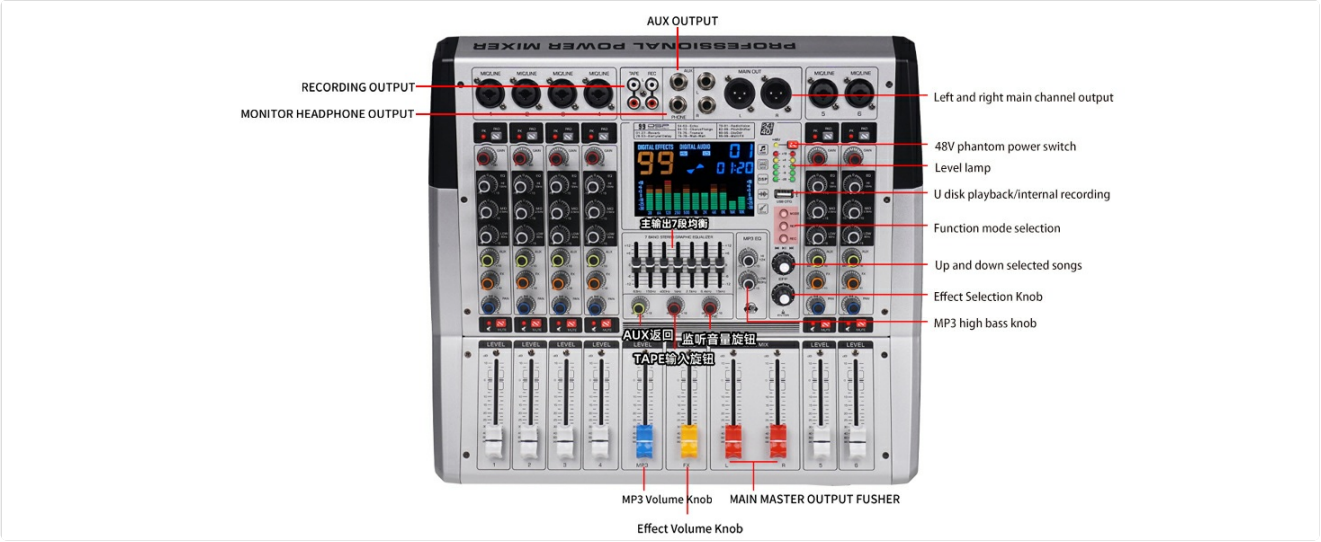


Figure 2: Front Panel Layout. This image provides a detailed view of the mixer's front panel, with labels indicating the function of each knob, button, and fader, including channel inputs, equalization controls, DSP effects section, and main output faders.

The front panel includes:

- **Cannon Input:** XLR inputs for microphones or line-level sources.
- **Channel Attenuation Switch:** Reduces input signal level.
- **Gain Adjustment:** Controls input sensitivity for each channel.
- **Treble/Midrange/Bass Adjustment:** 3-band EQ for individual channels.
- **Auxiliary Send Knob:** Controls the amount of signal sent to the auxiliary output.
- **Effect Send Knob:** Controls the amount of signal sent to the internal DSP effects.
- **Left and Right Audio Knob:** Pan control for stereo imaging.
- **Channel Mute Switch:** Mutes individual channels.
- **Channel Volume Fader:** Adjusts the output level of each channel.
- **Main Output Fader:** Controls the overall output level.
- **DSP Effects Section:** Digital display and controls for selecting and adjusting effects.
- **MP3/USB Section:** Controls for USB playback and Bluetooth.
- **7-Band Stereo Graphic Equalizer:** Sliders for main output frequency adjustment.

3.3 Rear Panel Connections

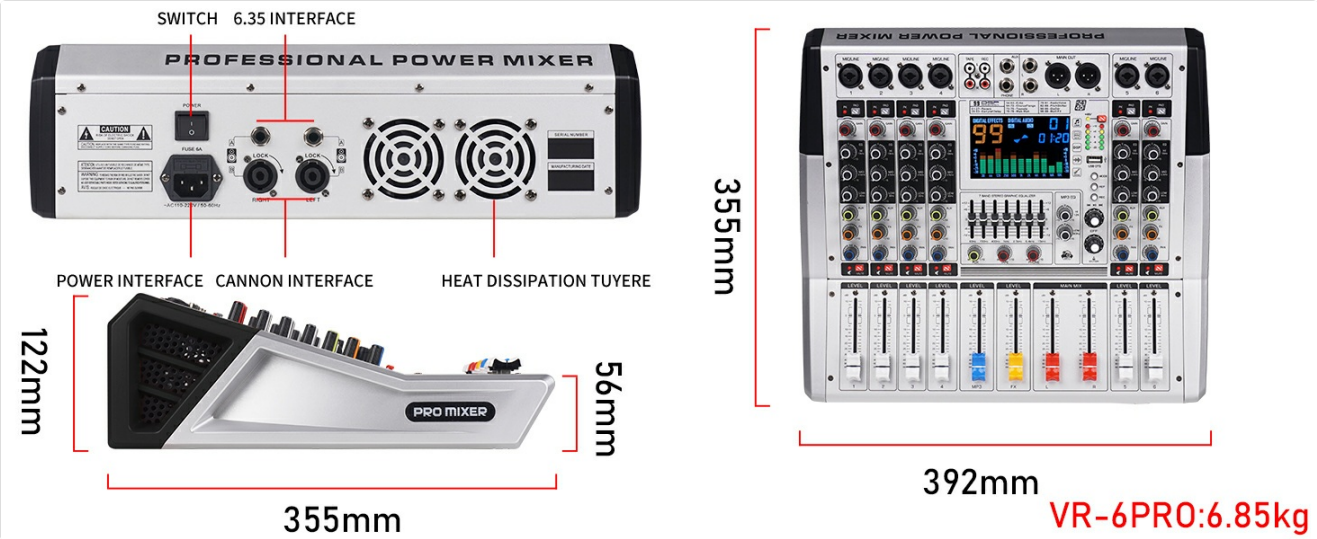


Figure 3: Rear Panel Connections. This image shows the rear panel of the VR-6 PRO mixer, highlighting the power input, Cannon interfaces, heat dissipation vents, and other output connections.

The rear panel includes:

- **Power Interface:** AC power input.
- **Power Switch:** Turns the unit on or off.
- **Fuse Holder:** Contains the main fuse for power protection.
- **Cannon Interface (Output):** XLR outputs for connecting to external speakers or amplifiers.
- **Heat Dissipation Tuyere:** Cooling vents for internal components.
- **6.35mm Interface:** Additional output connections.

4. Setup

4.1 Power Connection

1. Ensure the power switch on the rear panel is in the OFF position.
2. Connect the provided AC power cord to the Power Interface on the rear panel.
3. Plug the other end of the power cord into a standard 110V AC outlet.

4.2 Connecting Inputs

- **Microphones/Line-level Devices:** Connect microphones or other line-level audio sources to the Cannon Inputs (XLR) on the front panel.
- **USB Devices:** Insert a USB flash drive into the USB port for playback or recording.

4.3 Connecting Outputs

- **Speakers:** Connect your active speakers to the Cannon Interfaces (Output) on the rear panel. Ensure correct left and right channel connections.
- **Headphones:** Connect headphones to the dedicated headphone jack on the front panel.

5. Operating Instructions

5.1 Powering On/Off

After all connections are made, flip the Power Switch on the rear panel to the ON position. The display screen will

illuminate. To power off, flip the switch back to OFF.

5.2 Channel Control

1. **Gain:** Adjust the Gain knob for each channel to set the input level. Aim for a strong signal without clipping (distortion).
2. **Equalization (EQ):** Use the Treble, Midrange, and Bass knobs to shape the tone of each individual channel.
3. **Channel Volume:** Use the Channel Volume Fader to control the output level of each channel in the mix.
4. **Mute:** Press the Channel Mute Switch to temporarily silence a channel.

5.3 DSP Effects



Figure 4: DSP Effects List. This image illustrates the mixer's digital display, showing a partial list of the 99 available DSP effects, such as various hall, room, plate, and delay effects.

The VR-6 PRO features 99 built-in DSP effects:

1. Use the Effect Selection Knob to browse through the available effects displayed on the screen.
2. Press the knob to select an effect.

3. Adjust the Effect Send Knob on each channel to apply the selected effect to that channel's signal.

5.4 Bluetooth Connectivity

1. Activate Bluetooth mode on the mixer using the MP3/USB section controls.
2. On your smartphone or tablet, search for available Bluetooth devices and select 'VR-6 PRO'.
3. Once paired, you can stream audio wirelessly to the mixer.

5.5 USB Playback/Recording

- **Playback:** Insert a USB flash drive with MP3 files into the USB port. Use the MP3/USB section controls (play, pause, skip) to manage playback.
- **Recording:** The mixer supports recording the main mix directly to a connected USB memory stick. Refer to the on-screen prompts or specific buttons in the MP3/USB section for recording functions.

5.6 Main Mix Control

- **Main Output Fader:** Adjusts the overall volume of the mixed audio signal.
- **7-Band Stereo Graphic Equalizer:** Use the sliders in this section to fine-tune the frequency response of the main output.



Figure 5: 7-Band Stereo Graphic Equalizer. This image focuses on the 7-band stereo graphic equalizer section of the mixer, demonstrating its frequency adjustment sliders for precise sound shaping.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Do not use liquid cleaners or solvents.
- **Ventilation:** Ensure the heat dissipation vents on the rear panel are clear of obstructions to prevent overheating.
- **Storage:** When not in use, store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.

7. Troubleshooting

- **No Power:** Check the power cord connection, the power switch, and the fuse on the rear panel.
- **No Sound Output:** Verify all input and output connections. Check channel volume faders, main output fader, and speaker connections. Ensure input gain is set correctly.
- **Distorted Sound:** Reduce input gain if the signal is clipping. Check cable integrity.

- **Bluetooth Connection Issues:** Ensure the mixer is in Bluetooth mode and your device is within range. Try unpairing and re-pairing the device.
- **Excessive Noise:** Ensure all cables are properly shielded and connected. The mixer features intelligent noise reduction technology to minimize inherent noise.

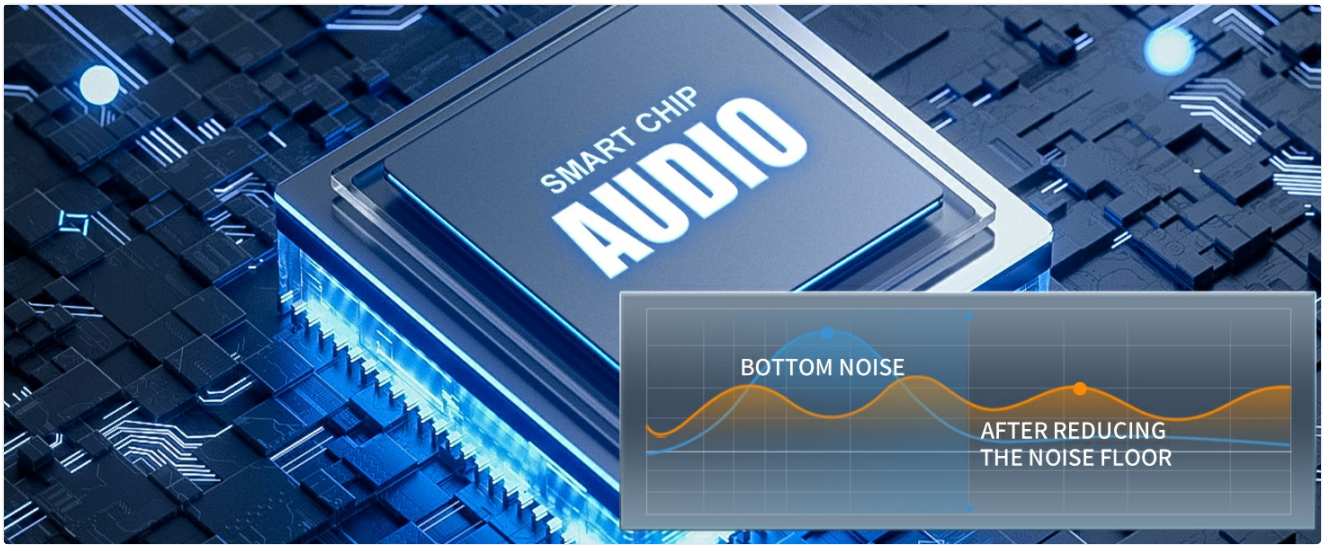


Figure 6: Noise Reduction Diagram. This diagram visually represents the effect of the mixer's intelligent noise reduction technology, showing how it reduces background noise for a cleaner audio signal.

8. Specifications

Feature	Specification
Model Number	VR6
Power Output	550W x 2
Item Weight	17.61 pounds (7.99 kg)
Product Dimensions	13.98 x 15.43 x 4.8 inches (35.5cm D x 39.2cm W x 12.2cm H)
Voltage	110 Volts
Power Source	Corded Electric
Number of Channels	6
Connectivity Technology	Bluetooth, USB
DSP Effects	99 types

9. Warranty and Support

This product comes with a standard manufacturer's warranty. For specific warranty details, please refer to the documentation included with your purchase or contact Yamnweo customer support. For technical assistance or service inquiries, please visit the official Yamnweo website or contact their customer service department.

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