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› Yunseity 5-Band EQ Preamp Equalizer with Bluetooth and VU Meter (Model: Yunseityuvwmnzke52) Instruction Manual

Yunseity Yunseityuvwmnzke52

Yunseity 5-Band EQ Preamp Equalizer with Bluetooth and VU Meter

Model: Yunseityuvwmnzke52

1. OVERVIEW

The Yunseity 5-Band EQ Preamp Equalizer is designed to enhance your audio experience in both home stereo and car audio systems. It features Bluetooth 5.0 connectivity, a vintage VU meter for real-time sound level display, and a 5-band graphic equalizer for precise sound tuning. The device includes balanced EQ audio preamplification and stereo 3.5mm AUX input and output options.



Figure 1: Front view of the Yunseity 5-Band EQ Preamp Equalizer.

2. KEY FEATURES

- **5-Band Graphic Equalizer:** Adjust audio frequencies at 100Hz, 400Hz, 800Hz, 4KHz, and 10KHz to compensate for speaker deficiencies and optimize soundstage. Each band is processed independently by an op-amp.
- **Bluetooth 5.0 Connectivity:** Seamlessly connect your devices wirelessly for audio streaming.
- **Vintage VU Meter:** Features large 45mm VU meters driven by a dedicated chip, providing accurate real-time sound level display and dynamic visual feedback.
- **Bypass Design:** Allows direct audio output from input to output without EQ preamplification, preserving the original sound.
- **Balance Control:** Compensates for left and right channel imbalances across all outputs, ensuring accurate soundstage positioning.
- **Durable Construction:** Full aluminum alloy case and aluminum knurled knobs ensure good shielding performance. All I/O interfaces are gold-plated to maintain original sound quality and minimize loss.
- **Wide Application:** Compact size and DC 5V power supply make it portable and suitable for home stereos, computer

speakers, amplifiers, and car audio systems.

5 Bands EQ Preamplifier

The for EQ5-PRO is a 5 band EQ preamplifier with rich band control (100Hz, 400Hz, 800Hz, 4KHz, 10KHz), each band is independently processed by an op amp. The for EQ5-PRO is a 5 band EQ preamplifier that compensates for the deficiencies of the loudspeakers and the soundstage by adjusting the 5 bands of high, mid and low frequencies to improve a wide range of sound sources.



Figure 2: Detailed view of the 5-band EQ controls and VU meters.



Figure 3: The vintage VU meters dynamically displaying sound levels.

3. PRODUCT COMPONENTS AND CONTROLS

3.1 Front Panel Controls



VU Meter Diameter: Approx. 45mm / 1.77in

Figure 4: Front panel with labeled controls.

- **Power Switch:** Turns the unit on or off.
- **VU Meters (L/R):** Displays left and right channel audio levels.
- **Volume Knob:** Adjusts the overall output volume.
- **5 Bands EQ Adjustment Knobs:** Individual controls for 100Hz, 400Hz, 800Hz, 4KHz, and 10KHz frequencies.
- **Balance Adjustment Knob:** Adjusts the balance between left and right audio channels.
- **EQ/Bypass Selector Switch:** Toggles between EQ mode (active equalization) and Bypass mode (direct signal pass-through).
- **AUX Input Selector Switch:** Selects between Bluetooth and AUX (3.5mm) input sources.

3.2 Rear Panel Connections



Figure 5: Rear panel with labeled input/output connections.

- **ANT (Antenna):** For Bluetooth signal reception.
- **IN (RCA/3.5mm AUX):** Audio input connections.
- **OUT (RCA/3.5mm AUX):** Audio output connections.
- **POWER IN (5VDC 1A):** Power input port.

4. SETUP INSTRUCTIONS

1. **Power Connection:** Connect the provided DC 5V 1A power adapter to the "POWER IN" port on the rear panel and then to a power outlet.
2. **Audio Input:**
 - **RCA Input:** Connect your audio source (e.g., CD player, media player) to the "IN" RCA ports (Red for Right, White for Left) on the rear panel.
 - **3.5mm AUX Input:** Connect your audio source (e.g., smartphone, tablet) to the "IN" 3.5mm AUX port on the rear panel.
 - **Bluetooth Input:** Ensure the antenna is connected to the "ANT" port. Select Bluetooth input using the AUX Input Selector Switch on the front panel. Pair your device with the equalizer (refer to your device's Bluetooth pairing instructions).
3. **Audio Output:** Connect the equalizer's "OUT" RCA or 3.5mm AUX ports to your amplifier, active speakers, or headphone amplifier.
4. **Power On:** Flip the Power Switch on the front panel to the "ON" position. The VU meters should illuminate.

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Video 1: Demonstrating the setup and features of the EQ5 PRO 5-Band EQ Equalizer with Bluetooth and VU Meter.

5. OPERATING INSTRUCTIONS

- 1. Input Selection:** Use the AUX Input Selector Switch on the front panel to choose between Bluetooth (BT) or AUX (3.5mm) input.
- 2. Volume Adjustment:** Rotate the Volume Knob to increase or decrease the overall audio output level.
- 3. Equalization (EQ) Mode:**
 - Ensure the EQ/Bypass Selector Switch is set to "EQ".
 - Adjust the 5 Bands EQ Adjustment Knobs (100Hz, 400Hz, 800Hz, 4KHz, 10KHz) to tailor the sound to your preference. Turning a knob clockwise increases the gain for that frequency band, while turning it counter-clockwise decreases it.
- 4. Bypass Mode:** Flip the EQ/Bypass Selector Switch to "PASS" to bypass the equalizer and output the audio signal directly without any processing.
- 5. Balance Adjustment:** Use the Balance Adjustment Knob to fine-tune the left and right channel balance, ensuring the soundstage is centered.
- 6. VU Meter Monitoring:** Observe the VU meters to monitor the real-time audio levels.

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Video 2: Demonstration of the Upgraded EQ5 Tone 5-Band Bluetooth EQ Equalizer with VU Meter in operation.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using harsh chemicals or abrasive materials.
- **Ventilation:** Ensure the unit has adequate ventilation to prevent overheating. Do not block any ventilation openings.
- **Storage:** When not in use for extended periods, store the equalizer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Connections:** Periodically check all cable connections to ensure they are secure and free from damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power adapter not connected or faulty; Power switch off.	Ensure power adapter is securely connected and functional. Turn the Power Switch to ON.
No sound output	Incorrect input/output connections; Volume too low; Incorrect input source selected; EQ/Bypass switch in "PASS" mode with no signal.	Check all audio cables. Increase volume. Select the correct input source. Ensure the EQ/Bypass switch is in "EQ" mode or that a signal is present in "PASS" mode.
Distorted sound	Volume too high; EQ settings too extreme; Faulty cables.	Reduce volume. Adjust EQ knobs to a moderate level. Check and replace cables if necessary.
Bluetooth connection issues	Device not in pairing mode; Out of range; Interference.	Ensure the equalizer is in Bluetooth mode and your device is in pairing mode. Move devices closer. Reduce interference from other wireless devices.

Problem	Possible Cause	Solution
VU meters not moving	No audio signal; Unit off.	Ensure an audio signal is playing through the unit. Check power.

8. SPECIFICATIONS

- **Item Model Number:** Yunseityuvwmnzke52
- **Item Weight:** 2.07 pounds
- **Package Dimensions:** 8.46 x 7.4 x 3.9 inches
- **EQ Bands:** 5 (100Hz, 400Hz, 800Hz, 4KHz, 10KHz)
- **Bluetooth Version:** 5.0
- **Input/Output:** Stereo RCA, 3.5mm AUX
- **Power Supply:** DC 5V 1A
- **VU Meter Diameter:** Approx. 45mm / 1.77in

9. WARRANTY AND SUPPORT

This product is covered by a standard return policy, typically 30 days from the date of purchase. For specific warranty details, technical support, or service inquiries, please refer to the seller's information or contact the manufacturer directly. Keep your purchase receipt for warranty claims.