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> CCYLEZ 7-Band Equalizer User Manual

CCYLEZ CCYLEZ6z1sp9qcb4

CCYLEZ 7-Band Equalizer User Manual

Model: CCYLEZ6z1sp9qcb4

1. INTRODUCTION

Thank you for purchasing the CCYLEZ 7-Band Equalizer. This device is designed to provide precise audio frequency adjustment, allowing you to fine-tune your sound experience. It features a 7-band equalization circuit, a headphone amplifier, and versatile input/output options, making it suitable for various audio setups including recording and streaming.



Figure 1: CCYLEZ 7-Band Sound Equalizer Overview

2. SAFETY INFORMATION

- Do not expose the device to water or excessive moisture.
- Avoid placing the device near heat sources or in direct sunlight.
- Use only the specified DC5V-12V power supply. Using an incorrect power supply may damage the device.
- Do not attempt to open or repair the device yourself. Refer all servicing to qualified personnel.
- Keep out of reach of children.

- Ensure proper ventilation around the device during operation.

3. SETUP

3.1 Package Contents

- CCYLEZ 7-Band Equalizer Unit
- USB Power Cable



Figure 2: Package Contents - Equalizer Unit and USB Cable

3.2 Connecting Power

Connect the provided USB power cable to the DC5-12V input port on the rear of the equalizer. Plug the other end of the USB cable into a compatible USB power adapter (not included) or a USB port that provides sufficient power (e.g., a phone charger).



Figure 3: Rear Panel with DC5-12V Power Input



Figure 4: Detailed Rear Panel Connections

3.3 Audio Connections

The equalizer offers both 3.5mm and RCA (Lotus) input/output options.

Input Connections:

- **3.5mm Input:** Located on the front panel, this interface supports a 4-pin plug, allowing connection from devices like mobile phones for voice calls (if the headset connected to the output has a microphone).
- **RCA (Lotus) Input:** Located on the rear panel (labeled "IN"), these are standard stereo RCA jacks (Red for Right, White for Left).
- **Important Note:** The 3.5mm input and RCA (Lotus) input cannot be used simultaneously. Choose only one input source at a time.

***3.5mm input interface supports 4 pole plug
the output connects to the headset with a microphone
be used on cell phones for normal voice calls***



Figure 5: Front Panel with 3.5mm Input



Figure 6: Detailed Front Panel Connections

Output Connections:

- **3.5mm Headphone Jack:** Located on the front panel, this output is for connecting headphones. The NE5532 ear amplifier part, consisting of a 47-type headphone driver circuit, makes it easy to use with various types of headphones.
- **RCA (Lotus) Output:** Located on the rear panel (labeled "OUT"), these are standard stereo RCA jacks (Red for Right, White for Left) for connecting to external amplifiers, speakers, or recording devices.
- **Note:** Both the 3.5mm headphone output and RCA (Lotus) output can be used simultaneously.



Figure 7: Top and Bottom Views with All Ports

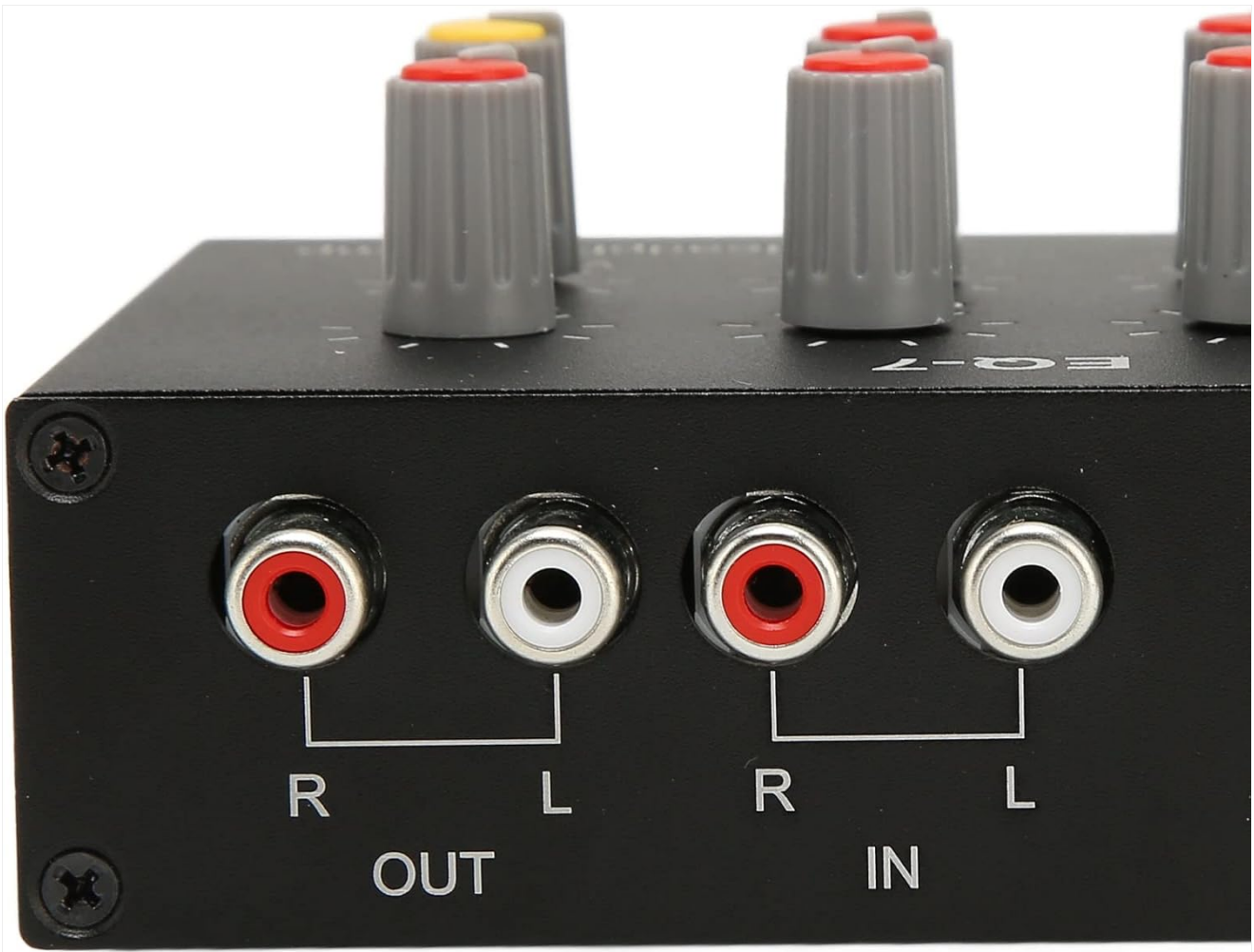


Figure 8: Close-up of RCA Input/Output Ports

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

After connecting the power supply, press the red "POWER" button on the front panel to turn the unit on. The power indicator light will illuminate. Press it again to turn the unit off.



Compatible with Headphones
ear amplifier part of the NE5532 composed of type 47 headphone driver circuit
easy to drive all types of headphones

Figure 9: Front Panel Controls

4.2 Adjusting Equalization

The equalizer features seven adjustable frequency bands, each with a control range of $\pm 12\text{dB}$. Rotate the corresponding knob to increase or decrease the gain for each frequency band:

- **60Hz:** Controls the very low bass frequencies.
- **150Hz:** Controls the mid-bass frequencies.
- **400Hz:** Controls the lower midrange frequencies.
- **1kHz:** Controls the central midrange frequencies.
- **3kHz:** Controls the upper midrange frequencies.
- **6.5kHz:** Controls the lower treble frequencies.
- **15kHz:** Controls the high treble frequencies.

Adjust these knobs to shape the sound to your preference. Turning a knob clockwise increases the gain for that frequency band, while turning it counter-clockwise decreases it.



Figure 10: Equalizer Band Controls

4.3 Volume Control

The "VOLUME" knob controls the overall output level of the equalizer. Rotate it clockwise to increase the volume and counter-clockwise to decrease it.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or aerosols.
- **Storage:** When not in use for extended periods, store the equalizer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the unit with care. Avoid dropping it or subjecting it to strong impacts.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound output.	<p>Unit is not powered on.</p> <p>Incorrect input/output connection.</p> <p>Volume knob is set too low.</p> <p>Input source is not playing or is muted.</p>	<p>Ensure the power button is pressed and the indicator light is on.</p> <p>Verify all audio cables are securely connected to the correct input/output ports. Remember, 3.5mm and RCA inputs cannot be used simultaneously.</p> <p>Increase the "VOLUME" knob.</p> <p>Check your audio source (phone, TV, etc.) to ensure it is playing and its volume is up.</p>
Distorted sound.	<p>Input signal is too strong.</p> <p>Equalizer bands are set too high.</p> <p>Connected headphones/speakers are not compatible or overloaded.</p>	<p>Reduce the volume from your audio source.</p> <p>Adjust the equalizer band knobs, especially for higher frequencies (e.g., 6.5kHz, 15kHz), to a lower setting.</p> <p>Try different headphones or speakers to rule out compatibility issues.</p>
Only one channel (left/right) has sound.	<p>Loose or faulty audio cable.</p> <p>Input source is mono or has a channel issue.</p>	<p>Check all audio cable connections. Try a different cable.</p> <p>Verify the audio source is outputting stereo sound.</p>

7. SPECIFICATIONS

Feature	Detail
Brand	CCYLEZ
Model	CCYLEZ6z1sp9qcb4
Power Supply	DC5V-12V
Equalization Bands	7 Bands (60Hz, 150Hz, 400Hz, 1kHz, 3kHz, 6.5kHz, 15kHz)
Control Range	±12dB per band
Preamplifier Gain	5 times (14dB)
Input Impedance	20K ohm
Output Impedance	600 ohm
Headphone Amplifier	NE5532 (47-type driver circuit)
Dimensions (approx.)	17.9 x 11.2 x 5.3 cm
Weight (approx.)	220 grams
Material	Aluminum alloy

8. WARRANTY AND SUPPORT

For warranty information and support, please refer to the documentation provided with your purchase or contact the seller directly. You can also visit the official CCYLEZ store on Amazon for more information: [CCYLEZ Amazon Store](#).
When contacting support, please have your product model number (CCYLEZ6z1sp9qcb4) and purchase details ready.