Walfront WALFRONTozw3dpey0v

Walfront High Gain Microphone Audio Power Amplifier User Manual

Model: WALFRONTozw3dpey0v | Brand: Walfront

1. INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your Walfront High Gain Microphone Audio Power Amplifier. Please read this manual thoroughly before using the device to ensure proper function and longevity.

The Walfront Microphone Audio Power Amplifier is designed to enhance microphone audio signals, offering adjustable gain and frequency filtering for various audio applications, including karaoke, home theater, and sound systems. Its compact and durable design ensures portability and reliable performance.

Image: The Walfront High Gain Microphone Audio Power Amplifier.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x Walfront Microphone Audio Power Amplifier
- 1 x Power Cord (USB to DC 5V)
- 1 x Headphone Cable (3.5mm to 3.5mm audio cable)
- Built-in 3.7V 250mAh Lithium Battery

Image: Walfront Microphone Audio Power Amplifier shown with its power cord and headphone cable.

3. PRODUCT FEATURES

- **High Gain Amplification:** Offers two gain levels: approximately 200 times (45dB) when the gain switch is up, and approximately 600 times (55dB) when pressed.

- **Five-Level Frequency Switching:** Selectable frequency ranges (300Hz-4KHz, 450Hz-4KHz, 700Hz-4KHz, 900Hz-4KHz, 1KHz-4KHz) to optimize sound quality for different applications.

- **Adjustable Controls:** Independent knobs for frequency selection, recording volume, and monitor volume.

- **Compact and Portable:** Lightweight aluminum alloy shell with a mini size, designed for easy transport and placement in confined spaces.

- **Durable Construction:** Sturdy aluminum alloy shell provides strong interference resistance and lossless signal transmission.

- **Integrated Battery:** Built-in 3.7V 250mAh lithium battery for portable use.

- **Indicator Light:** Provides power and charging status feedback (4 consecutive flashes indicate 4 grids of power).

Image: The amplifier's compact design and durable aluminum alloy casing.

4. SETUP GUIDE

4.1 Component Identification

Image: Top view of the amplifier showing control knobs and input/output labels.

MIC (3.5mm Microphone Jack): Connect your microphone here.

BPF (Frequency Switching Knob): Adjusts the frequency range.

REC VOL (Recording Volume Knob): Controls the recording volume for connected mobile devices.

ON/OFF (Monitor Volume / Power Switch): Turns the unit on/off and adjusts monitor volume.

Indicator Light: Shows power and charging status.

Image: Side view of the amplifier showing ports and the gain switch.

DC 5V (Charging Port): Connect the provided USB power cord for charging.

REC OUT (Mobile Phone Interface): Connect to a mobile device for recording.

GAIN SW (Gain Switching Button): Toggles between 200x (45dB) and 600x (55dB) gain.

HEADPHONE (3.5mm Headphone Jack): Connect headphones for monitoring audio output.

4.2 Initial Charging

Before first use, fully charge the amplifier. Connect the provided USB power cord to the DC 5V port on the amplifier and a compatible USB power source (e.g., a mobile phone charger or computer USB port). The indicator light will provide charging status.

4.3 Connecting Devices

1. Connect your microphone to the **MIC** (3.5mm Microphone Jack) port.
2. For monitoring, connect your headphones to the **HEADPHONE** (3.5mm Headphone Jack) port.
3. To record audio on a mobile device, connect the **REC OUT** (Mobile Phone Interface) to your device's audio input using the appropriate cable.

5. Operating Instructions

5.1 Powering On/Off and Volume Control

Rotate the **ON/OFF** knob clockwise to power on the amplifier and increase the monitor volume. Rotate counter-clockwise to decrease volume and power off the device.

5.2 Gain Switching

The amplifier features two gain levels:

- **Low Gain (200x / 45dB):** When the **GAIN SW** button is in the popped-up position.
- **High Gain (600x / 55dB):** When the **GAIN SW** button is pressed down.

Select the appropriate gain level based on your microphone's output and desired amplification.

Image: Detail of the gain switch and its effect on amplification.

5.3 Frequency Switching (BPF)

The **BPF** knob allows you to select from five different frequency ranges to filter the audio signal:

1. 300Hz-4KHz
2. 450Hz-4KHz
3. 700Hz-4KHz
4. 900Hz-4KHz
5. 1KHz-4KHz

Rotate the **BPF** knob to choose the frequency range that best suits your audio source and environment, helping to improve sound clarity and reduce unwanted noise.

Image: The frequency switching knob and its available settings.

5.4 Recording Volume Adjustment (REC VOL)

Use the **REC VOL** knob to adjust the volume of the audio signal being sent to your connected mobile device for recording. Adjust this to prevent clipping or ensure adequate recording levels.

High gain microphone amplifier

Input audio signal through 3.5MM headphone plug, plug and play
Separate frequency controls, recording volume, monitor volume control knobs
Adjust as needed

Image: The amplifier in a typical usage scenario with a microphone, demonstrating its function.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use liquid cleaners or abrasive materials.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. If storing for extended periods, charge the battery to approximately 50% every few months.
- **Handling:** Handle the device with care to prevent damage from drops or impacts.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power / Device not turning on	Battery is depleted.	Connect the amplifier to a 5V DC power source using the provided USB cable and charge it.
No audio output	- Headphones not connected properly. - Monitor volume too low. - Microphone not connected or faulty. - Incorrect gain setting.	- Ensure headphones are fully plugged into the HEADPHONE jack. - Increase the ON/OFF (Monitor Volume) knob. - Check microphone connection and test with another microphone if possible. - Adjust the GAIN SW button.
Poor sound quality / Unwanted noise	- Incorrect frequency setting (BPF). - Interference from other electronic devices. - Microphone issues.	- Adjust the BPF knob to a different frequency range. - Move the amplifier away from potential sources of interference. - Test with a different microphone.
Recording volume too low/high	REC VOL knob setting.	Adjust the REC VOL knob to the desired level.

8. SPECIFICATIONS

Feature	Detail
Item Type	Microphone Audio Power Amplifier
Material	Aluminum alloy
Power Supply	DC 5V
Microphone Interface	3.5mm
Gain Levels	Approx. 200 times (45dB) / Approx. 600 times (55dB)
Frequency Switching	5 Levels: 300Hz-4KHz, 450Hz-4KHz, 700Hz-4KHz, 900Hz-4KHz, 1KHz-4KHz
Battery	3.7V 250mAh 502030 Lithium Battery
Model Number	WALFRONTozw3dpey0v
Manufacturer	WALFRONT
Package Dimensions	5.91 x 3.94 x 1.57 inches
Item Weight	6.35 ounces

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the Walfront official website or contact your retailer. Keep your purchase receipt as proof of purchase for any warranty claims.
For further assistance, you may visit the Walfront Store on Amazon:Walfront Store

Related Documents - WALFRONTozw3dpey0v

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