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## Walfront B100

# Walfront 2.4G Wireless Gaming Headset B100 User Manual

Model: B100

## INTRODUCTION

Thank you for choosing the Walfront 2.4G Wireless Gaming Headset B100. This headset offers versatile connectivity options including 2.4G wireless, Bluetooth, and 3.5mm wired connections, designed to provide a low-latency audio experience for gaming and multimedia. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and longevity of your device.

## PACKAGE CONTENTS

Please check the package contents to ensure all items are present:

- 1 x Walfront 2.4G Wireless Gaming Headset (Model B100)
- 1 x 2.4G USB Adapter
- 1 x 3.5mm Audio Cable
- 1 x USB Charging Cable
- 1 x User Manual



Image: The Walfront B100 headset shown with its 2.4G USB adapter, 3.5mm audio cable, and USB charging cable.

## PRODUCT OVERVIEW

The Walfront B100 headset features a robust design with comfortable earcups and an adjustable headband. It integrates a retractable microphone and intuitive controls on the earcup for easy access to volume, mute, and connectivity options. The headset is equipped with 50mm drivers for clear audio output.



Image: The Walfront B100 gaming headset displayed on a headset stand, showcasing its design and RGB lighting on the earcups.

50mm diaphragm unit, highlighting the texture of the human voice, sound performance is more balanced. Wide soundstage, full of power immersed in all kinds of full details.

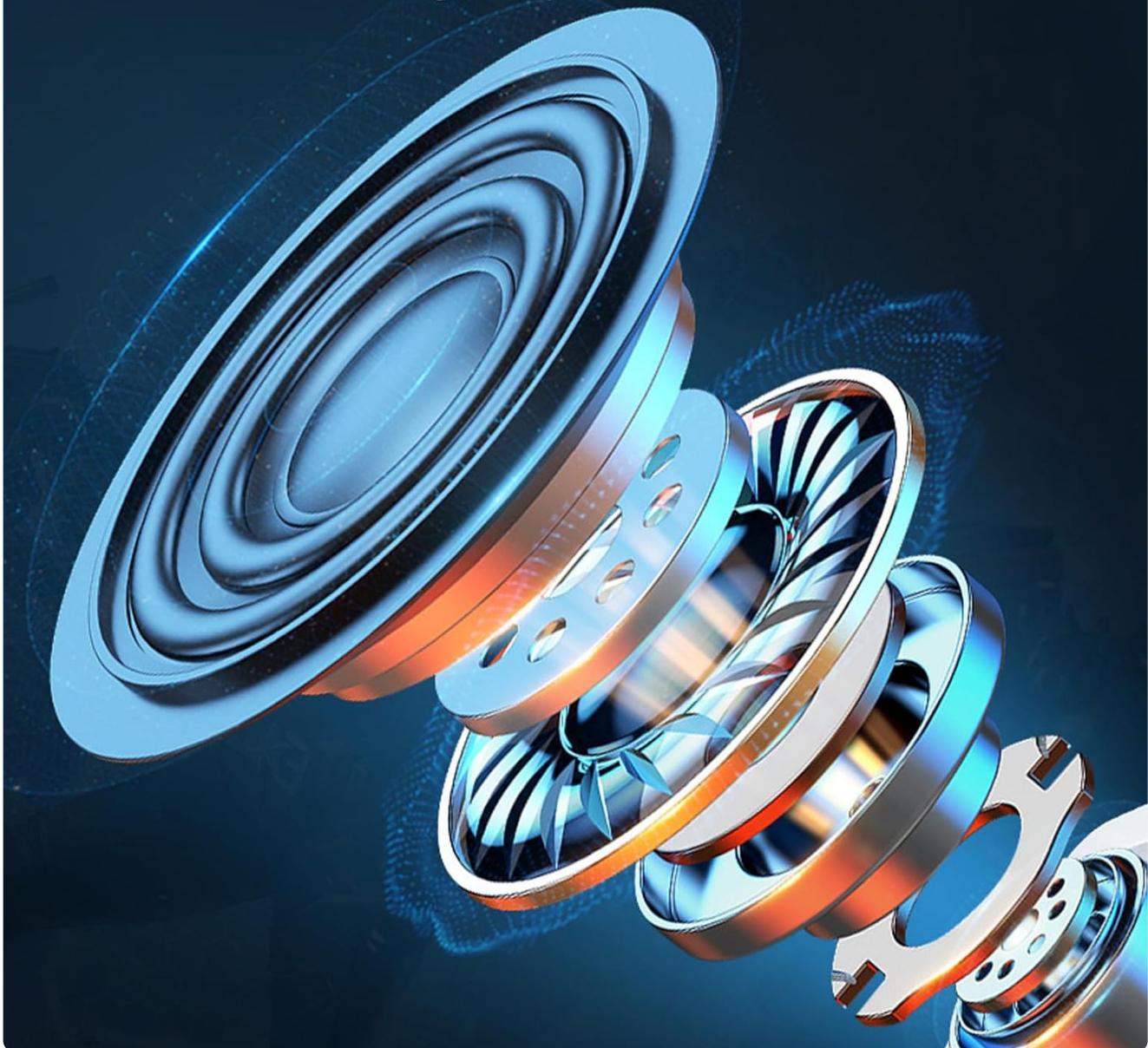


Image: An exploded view diagram of a 50mm diaphragm unit, highlighting its internal structure for balanced sound performance.



Image: A detailed view of the headset's earcup, illustrating the location of the power button and charging port.

## SETUP

### 2.4G Wireless Connection (USB Adapter)

1. Insert the 2.4G USB adapter into an available USB port on your device (PC, PS4, PS5, Switch dock).
2. Power on the headset by pressing and holding the power button until the indicator light illuminates.
3. The headset will automatically attempt to pair with the USB adapter. A solid indicator light on the headset typically signifies a successful connection.
4. On your device, ensure the headset is selected as the default audio input and output device in the sound

settings.



Image: The Walfront B100 headset shown alongside its dedicated 2.4G USB wireless adapter, used for low-latency gaming connections.

## Bluetooth Connection

1. Ensure the headset is powered off.
2. Press and hold the power button for approximately 5-7 seconds until the indicator light flashes rapidly, indicating pairing mode.
3. On your Bluetooth-enabled device (smartphone, tablet, laptop), go to Bluetooth settings and search for available devices.
4. Select "Walfront B100" (or similar name) from the list to connect.
5. Once connected, the indicator light on the headset will typically become solid or flash slowly.

## 3.5mm Wired Connection

1. Connect one end of the 3.5mm audio cable to the audio jack on the headset.
2. Connect the other end of the 3.5mm audio cable to the 3.5mm audio port on your device.
3. The headset will function in passive wired mode. Power is not required for basic audio playback in this mode, but some features like RGB lighting may require power.

## OPERATING INSTRUCTIONS

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### Power On/Off

- **Power On:** Press and hold the power button for 2-3 seconds.
- **Power Off:** Press and hold the power button for 3-4 seconds.

### Volume Control

- Locate the volume roller or buttons on the earcup.
- Roll up/press '+' to increase volume.
- Roll down/press '-' to decrease volume.

### Microphone Mute

- Press the microphone mute button (if available) on the earcup to toggle mute on/off.
- Alternatively, retracting the microphone boom may automatically mute the microphone on some models.

### Call Management (Bluetooth Mode)

- **Answer/End Call:** Press the multi-function button once.
- **Reject Call:** Press and hold the multi-function button for 2 seconds.

### Music Playback (Bluetooth Mode)

- **Play/Pause:** Press the multi-function button once.
- **Next Track:** Double-press the multi-function button.
- **Previous Track:** Triple-press the multi-function button.

### Lighting Control

- If your headset features RGB lighting, there may be a dedicated button to cycle through lighting modes or turn them off. Refer to the specific button layout on your headset.

## CHARGING

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To charge your Walfront B100 headset:

1. Connect the USB charging cable to the charging port on the headset.
2. Connect the other end of the USB charging cable to a DC 5V power source (e.g., computer USB port, USB wall adapter).
3. The indicator light on the headset will typically show red during charging and turn off or change color when fully charged.

**Charging Time:** Approximately 3 hours.

**Playback Time:** Up to 20 hours on a full charge.

## MAINTENANCE

Proper maintenance ensures the longevity and performance of your headset:

- **Cleaning:** Use a soft, dry cloth to wipe the headset. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the headset in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, avoid fully discharging the headset frequently. Charge it regularly, even if not in use for extended periods.
- **Avoid Moisture:** Do not expose the headset to water or excessive humidity.



Image: A close-up view of the soft padding on the headband, designed for comfort during extended use.

## TROUBLESHOOTING

Problem	Possible Solution
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Problem	Possible Solution
No sound from headset (2.4G/Bluetooth)	<ul style="list-style-type: none"> <li>• Ensure the headset is powered on and fully charged.</li> <li>• Verify the headset is correctly paired/connected to your device.</li> <li>• Check the volume levels on both the headset and your device.</li> <li>• For 2.4G, ensure the USB adapter is securely plugged in and recognized by the device.</li> <li>• For Bluetooth, try unpairing and re-pairing the headset.</li> <li>• Ensure the headset is selected as the default audio output device in your system settings.</li> </ul>
Microphone not working	<ul style="list-style-type: none"> <li>• Check if the microphone is muted (physical mute button or software setting).</li> <li>• Ensure the microphone boom is fully extended (if retractable).</li> <li>• Verify the headset microphone is selected as the default input device in your system settings.</li> <li>• Test the microphone with another application or device.</li> </ul>
Headset not charging	<ul style="list-style-type: none"> <li>• Ensure the charging cable is securely connected to both the headset and the power source.</li> <li>• Try a different USB charging cable or power adapter.</li> <li>• Verify the power source is active (e.g., wall outlet is working).</li> </ul>
Poor audio quality or disconnections	<ul style="list-style-type: none"> <li>• Move closer to the 2.4G USB adapter or Bluetooth device to reduce interference.</li> <li>• Avoid obstacles between the headset and the connected device.</li> <li>• Ensure no other devices are causing wireless interference.</li> <li>• Try restarting both the headset and the connected device.</li> </ul>

## SPECIFICATIONS

<b>Model</b>	B100
<b>Material</b>	ABS
<b>Power Supply</b>	1 Li-Ion Battery 1000mAh (Included)
<b>Charging Method</b>	DC 5V
<b>Driver Diameter</b>	Approx. 50mm / 1.97in
<b>Chipset</b>	JL7018

<b>Supported Protocols</b>	AVRCP1.4, A2DP1.2, HFP1.6, HSP1.2
<b>Sound Decoding</b>	WMA, APE, FLAC, AAC, M4A, WAV, AIF, AIFC
<b>Bluetooth Distance</b>	Approx. 10m / 32.8ft
<b>Transfer Rate</b>	2Mbps
<b>RF Output Power</b>	9dBm
<b>RX Receiver Sensitivity</b>	-92 dBm
<b>RF TX Frequency Drift</b>	±15KHz
<b>Frequency</b>	2401MHz-2478MHz
<b>Microphone Sensitivity</b>	-42±3DB
<b>Sensitivity</b>	105±3DB
<b>Impedance</b>	32 ohms
<b>Frequency Response Range</b>	20HZ-20KHZ
<b>Playback Time</b>	20 Hours
<b>Charging Time</b>	3 Hours
<b>Sound Latency</b>	20mS (2.4G Wireless)
<b>Item Weight</b>	1.16 pounds
<b>Package Dimensions</b>	8.66 x 7.48 x 3.94 inches

## WARRANTY AND SUPPORT

Walfront products are designed for reliability and performance. For warranty information, technical support, or customer service inquiries, please refer to the contact details provided on the product packaging or the official Walfront website. Please retain your proof of purchase for warranty claims.