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- › [Vakedy](#) /
- › [Vakedy HW20 Wireless Gaming Headset Instruction Manual](#)

## Vakedy HW20

# Vakedy HW20 Wireless Gaming Headset

## INSTRUCTION MANUAL

### Introduction

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Thank you for choosing the Vakedy HW20 Wireless Gaming Headset. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your headset to ensure optimal performance and longevity. Please read this manual thoroughly before using the product.



Image: The Vakedy HW20 Wireless Gaming Headset, available in both white and black variants, accompanied by its 2.4G USB wireless dongle.

## Package Contents

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Ensure all items are present in the package:

- Vakedy HW20 Wireless Gaming Headset
- 2.4GHz USB Wireless Dongle
- USB-C Charging Cable
- User Manual

## Product Overview

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Familiarize yourself with the components and controls of your HW20 headset.



Image: Detailed view of the headset's adjustable features, including breathable soft earmuffs, an adjustable headband, and rotatable earcups for comfortable fit.

- **Adjustable Headband:** For a comfortable fit on various head sizes.
- **Rotatable Earcups:** Allows for flat storage and better fit.
- **Breathable Soft Earmuffs:** Designed for extended comfort and airflow.
- **Omnidirectional Noise-Canceling Microphone:** Captures voice clearly while reducing background noise.
- **Volume Control Wheel:** Adjusts audio output level.
- **Microphone Mute Button:** Quickly mutes or unmutes the microphone.
- **Power/Mode Button:** Powers the headset on/off and switches between 2.4GHz and Bluetooth modes.
- **USB-C Charging Port:** For recharging the headset battery.

- **Breathing Lights:** Stylish LED indicators on the earcups.

## Setup

### 1. Charging the Headset

Before first use, fully charge the headset. A full charge takes approximately 2.5-3 hours and provides up to 50 hours of playtime.

- Connect the supplied USB-C charging cable to the headset's charging port.
- Connect the other end of the cable to a USB power source (e.g., computer USB port, USB wall adapter).
- The indicator light will show charging status (refer to LED indicator section for details).

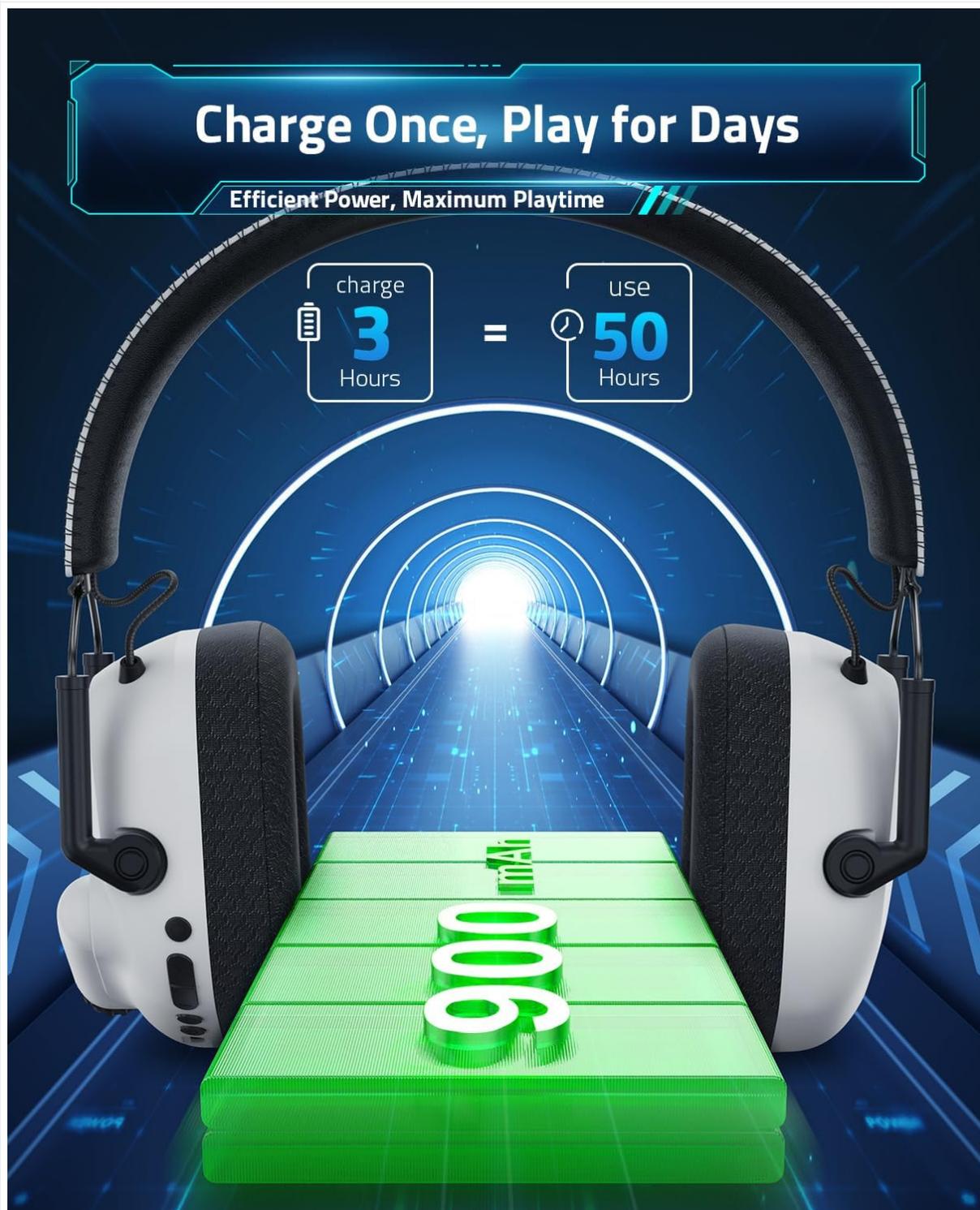


Image: Visual representation of the headset's battery life, indicating that a 3-hour charge can provide up to 50 hours of usage.

## **2. Connecting to Devices**

The HW20 headset supports two connection modes: 2.4GHz wireless via USB dongle and Bluetooth.

### **2.1. 2.4GHz Wireless Mode (USB Dongle)**

This mode offers ultra-low latency for gaming on PC, PS5, PS4, and Mac.

- Insert the 2.4GHz USB wireless dongle into an available USB port on your PC, PS5, PS4, or Mac.
- Power on the headset by pressing and holding the Power/Mode button until the indicator light illuminates.
- The headset will automatically attempt to connect to the dongle. A solid indicator light on the headset signifies a successful connection.
- On your device, ensure the HW20 headset is selected as the audio output and input device in your sound settings.

# Unseen Delays In the Moment Audio

 Delay  $\leq 20\text{ms}$

 Working Range  $\leq 49\text{ft}$



 **Note: Not Compatible With Xbox**

Image: The headset in use, demonstrating its low latency wireless connection ( $\leq 20\text{ms}$  delay) and extended working range of up to 49 feet. Note: Not compatible with Xbox.

## 2.2. Bluetooth Mode

This mode is compatible with smartphones, tablets, iPads, and other smart devices.

- Ensure the headset is powered on.
- Press the Power/Mode button once to switch to Bluetooth mode. The indicator light will flash, indicating pairing mode.
- On your device, enable Bluetooth and search for "HW20" in the list of available devices.
- Select "HW20" to pair. Once connected, the indicator light on the headset will become solid.

# Cross-Device Synergy

Your Go-To Audio Gear



DEVICE	PC/Mac/Laptop	PS4/PS5	Switch	Mobile/Tablet
Dongle Mode	✓	✓	✓	✗
Bluetooth Mode	✓	✗	✓ invalid mic	✓

Image: A compatibility chart detailing which devices (PC/Mac/Laptop, PS4/PS5, Switch, Mobile/Tablet) are supported by the headset's Dongle Mode and Bluetooth Mode. Xbox is explicitly noted as incompatible.

### 3. Microphone Setup

The headset features an omnidirectional noise-canceling microphone.

- The microphone is rotatable 360°. Adjust its position for optimal voice capture.
- Press the dedicated Microphone Mute button on the headset to toggle mute/unmute. A red indicator light on the microphone boom typically indicates it is muted.
- Ensure the HW20 microphone is selected as the input device in your game or communication application settings.

Effectively eliminates up to 95% of environmental noise.



Image: An internal view of the microphone, illustrating its noise-canceling technology that reduces environmental noise by up to 95%. A waveform graph visually compares audio clarity before and after noise cancellation.

## Operating Instructions

### Power On/Off

- **Power On:** Press and hold the Power/Mode button for approximately 3 seconds until the indicator light illuminates.
- **Power Off:** Press and hold the Power/Mode button for approximately 3 seconds until the indicator light turns off.

### Volume Control

- Rotate the Volume Control Wheel located on the earcup upwards to increase volume.
- Rotate the Volume Control Wheel downwards to decrease volume.

## Microphone Mute

- Press the Microphone Mute button once to mute the microphone. The microphone's LED will turn red.
- Press the button again to unmute. The microphone's LED will turn off.

## Switching Modes

- While the headset is powered on, short press the Power/Mode button to switch between 2.4GHz wireless mode and Bluetooth mode.
- The indicator light will change to reflect the active mode (refer to LED indicator section).

## Breathing Lights

- The headset features stylish breathing lights on the earcups. These lights are active when the headset is powered on.
- There is no specific control to turn these lights off independently.

## Maintenance

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Proper care ensures the longevity and performance of your headset.

- **Cleaning:** Use a soft, dry cloth to wipe the headset. Do not use abrasive cleaners, alcohol, or solvents. For earcups, gently wipe with a damp cloth and allow to air dry completely.
- **Storage:** Store the headset in a cool, dry place away from direct sunlight and extreme temperatures. Avoid placing heavy objects on the headset.
- **Battery Care:** To preserve battery life, avoid fully discharging the headset frequently. If storing for an extended period, charge the battery to about 50% every few months.
- **Avoid Water:** The headset is not waterproof. Keep it away from liquids and high humidity.

# Breathable Mesh, Extended Use

Air-Flow Headset: Sweat-Proof, Marathon Play



Image: A close-up of the breathable mesh earcups, highlighting their design for improved airflow to prevent stiffness during long gaming sessions.

## Troubleshooting

If you encounter issues with your HW20 headset, refer to the following common problems and solutions:

Problem	Possible Solution
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Problem	Possible Solution
No sound from headset	<ul style="list-style-type: none"> <li>◦ Ensure the headset is powered on and charged.</li> <li>◦ Check if the headset is correctly paired/connected to your device (2.4GHz dongle or Bluetooth).</li> <li>◦ Increase the volume on both the headset and your device.</li> <li>◦ Verify that the HW20 headset is selected as the default audio output device in your device's sound settings.</li> <li>◦ Try restarting the headset and the connected device.</li> </ul>
Microphone not working	<ul style="list-style-type: none"> <li>◦ Ensure the microphone is not muted (check the microphone LED).</li> <li>◦ Verify that the HW20 microphone is selected as the default input device in your device's sound settings and application settings.</li> <li>◦ Check microphone privacy settings on your operating system.</li> <li>◦ Try repositioning the microphone closer to your mouth.</li> </ul>
Connection unstable or frequently disconnects	<ul style="list-style-type: none"> <li>◦ Ensure the headset is within the effective range (49 feet for 2.4GHz, standard for Bluetooth).</li> <li>◦ Reduce interference by moving away from other wireless devices (Wi-Fi routers, cordless phones).</li> <li>◦ For 2.4GHz, try plugging the USB dongle into a different USB port.</li> <li>◦ For Bluetooth, try re-pairing the headset with your device.</li> </ul>
Headset not charging	<ul style="list-style-type: none"> <li>◦ Ensure the USB-C cable is securely connected to both the headset and the power source.</li> <li>◦ Try a different USB-C cable or power source.</li> <li>◦ Check if the charging port on the headset is clean and free of debris.</li> </ul>

## Specifications

Technical specifications for the Vakedy HW20 Wireless Gaming Headset:

Feature	Detail
Model Name	HW20
Connectivity Technology	2.4GHz Wireless (USB Dongle), Bluetooth 5.0
Compatible Devices	PS5, PC, PS4, Mac (2.4GHz); Smartphones, Tablets, iPads (Bluetooth)
Audio Driver Type	50mm Dynamic Coil Driver
Wireless Range	Up to 49 feet (unobstructed)
Latency	≤20ms (2.4GHz mode)

<b>Feature</b>	<b>Detail</b>
Microphone	Omnidirectional Noise-Canceling, 360° Rotatable
Battery Capacity	900mAh
Charging Time	Approx. 2.5-3 hours (USB-C)
Playtime	Up to 50 hours
Weight	8.8 ounces (approx. 250g)
Ear Placement	Over Ear
Color	White (as per product data, though black is also shown in images)

# 50mm Drivers, Feel the Game

Spatial Sound, Strategic Win



Image: An exploded view illustrating the 50mm dynamic coil drivers, designed to provide spatial sound and enhance the perception of in-game audio cues such as footsteps and explosions.

## Warranty and Support

Vakedy provides a standard warranty for this product. For detailed warranty information, technical support, or customer service inquiries, please refer to the warranty card included in your package or visit the official Vakedy website. You can also contact the seller directly through your purchase platform.

**Online Support:** [Vakedy Store on Amazon](#)

