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Vakedy HW20

Vakedy HW20 Wireless Gaming Headset User Manual

Model: HW20

Introduction

The Vakedy HW20 Wireless Gaming Headset offers a versatile audio solution for gamers across multiple platforms. This headset features dual-mode connectivity (2.4GHz wireless and Bluetooth 5.4), a noise-canceling microphone, and a long-lasting battery, designed for an immersive gaming experience.



Image: The Vakedy HW20 Wireless Gaming Headset in Arctic White, showcasing its design.

What's in the Box

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

Product Overview

Familiarize yourself with the headset's components and controls.



Image: Detailed diagram illustrating the button controls and Type-C charging port on the Vakedy HW20 headset.

1. **Mode/Re-pairing Button:** Long press for 3 seconds to re-pair Bluetooth. Single click to switch between 2.4GHz dongle mode and Bluetooth mode.
2. **Volume Up/Next Track Button:** Single click for volume up. Long press for 2 seconds for next track. Hold volume up and power button for 6 seconds to clear all paired devices.
3. **Volume Down/Previous Track Button:** Single click for volume down. Long press for 2 seconds for previous track.
4. **Power/Multi-function Button:** Long press for 3 seconds to turn on/off. Single click to play/pause music or answer/hang up calls. Long press for 2 seconds to reject calls. Double click to redial the last call.
5. **Microphone On/Off Button:** Single click to toggle microphone on or off.
6. **Type-C Charging Port:** For charging the headset.

Setup

1. Charging the Headset

Before initial use, fully charge the headset. Connect the provided USB-C charging cable to the headset's charging port and a compatible USB power source. A full charge takes approximately 2.5-3 hours and provides up to 50 hours of playtime.



Image: Visual representation of the headset's 50-hour battery life from a 3-hour USB-C charge.

2. Connecting via 2.4GHz USB Dongle (for PS5, PS4, PC, Switch)

1. Insert the 2.4GHz USB dongle into an available USB port on your PS5, PS4, PC, or Nintendo Switch.
2. Power on the headset by long-pressing the Power button.
3. The headset will automatically connect to the dongle. No manual pairing is required.
4. **Note:** The microphone is not supported for Nintendo Switch in 2.4GHz mode.

3. Connecting via Bluetooth 5.4 (for Mac, Phone, Tablet)

1. Power on the headset.
2. Long press the Mode/Re-pairing button for 3 seconds until the indicator light flashes blue, indicating Bluetooth pairing mode.

3. On your device (Mac, phone, tablet), go to Bluetooth settings and select "Vakedy HW20" from the list of available devices.
4. Once connected, the indicator light will stop flashing.
5. **Note:** Bluetooth connectivity is not compatible with PS4 or PS5.



Image: Illustration of the dual 2.4GHz and Bluetooth wireless connection capabilities, highlighting low latency.

4. Compatibility Overview

The Vakedy HW20 headset offers broad compatibility, but please note the following specifics:



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

Image: A table detailing device compatibility for Dongle (2.4GHz) and Bluetooth connections across PC/Mac/Laptop, PS4/PS5, Switch, and Mobile/Tablet.

- **PS5, PS4, PC:** Fully compatible via 2.4GHz USB dongle, including microphone functionality.
- **Nintendo Switch:** Compatible via 2.4GHz USB dongle for audio, but the microphone is not supported.
- **Mac, Phone, Tablet:** Fully compatible via Bluetooth 5.4, including microphone functionality.
- **Xbox Series Consoles:** The headset is not compatible with any Xbox series consoles.

Operating Instructions

1. Power On/Off

Long press the **Power/Multi-function Button** for 3 seconds to turn the headset on or off.

2. Volume Control

Press the **Volume Up Button** to increase volume. Press the **Volume Down Button** to decrease volume.

3. Music Playback & Call Management

- **Play/Pause:** Single click the **Power/Multi-function Button**.
- **Next Track:** Long press the **Volume Up Button** for 2 seconds.
- **Previous Track:** Long press the **Volume Down Button** for 2 seconds.
- **Answer/Hang Up Call:** Single click the **Power/Multi-function Button**.
- **Reject Call:** Long press the **Power/Multi-function Button** for 2 seconds.
- **Redial Last Call:** Double click the **Power/Multi-function Button**.

4. Microphone Usage

The headset features an omnidirectional, noise-canceling boom microphone. It can be rotated 360 degrees for optimal positioning.

- **Mute/Unmute:** Single click the **Microphone On/Off Button** to toggle the microphone on or off.
- The noise-canceling feature filters out background noise for clear communication.



Image: Illustration of the noise-canceling microphone, demonstrating its effectiveness in reducing environmental noise.

5. Switching Connection Modes

Single click the **Mode/Re-pairing Button** to switch between 2.4GHz dongle mode and Bluetooth mode.

6. Clearing Paired Devices

To clear all previously paired devices, hold the **Volume Up Button** and the **Power/Multi-function Button** simultaneously for 6 seconds.

7. Audio Quality

The headset is equipped with 50mm dynamic drivers that deliver deep bass and crisp treble, providing clear directional sound for an immersive audio experience.



Image: Exploded view diagram of the 50mm dynamic coil driver, illustrating its internal components for sound production.

8. Comfort and Design

The headset features breathable mesh ear pads and an adjustable headband for comfortable wear during extended gaming sessions. It also includes breathing RGB lights for visual appeal.



Image: Features highlighting the breathable ear cushions, adjustable headband, and rotatable earcups for enhanced comfort.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean 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:** To prolong battery life, avoid fully discharging the headset frequently. Charge it regularly, even if not in use for extended periods.
- **Water Resistance:** This headset is not water resistant. Avoid exposure to liquids.

Troubleshooting

Problem	Possible Solution
No sound from headset	Ensure the headset is powered on and charged. Check if the correct connection mode (2.4GHz or Bluetooth) is selected. Verify the USB dongle is securely plugged in (for 2.4GHz). Check your device's audio output settings to ensure the headset is selected. Increase the volume on both the headset and your device.
Microphone not working	Ensure the microphone is not muted (single click the Microphone On/Off Button). Check your device's input settings to ensure the headset microphone is selected. **Note:** Microphone is not supported for Nintendo Switch. Ensure the headset is connected via 2.4GHz dongle for PS5/PS4/PC, or Bluetooth for Mac/Phone/Tablet.
Headset not connecting	Ensure the headset is in the correct pairing mode (2.4GHz dongle or Bluetooth pairing). Try re-pairing: Long press the Mode/Re-pairing button for 3 seconds for Bluetooth. For 2.4GHz, simply plug in the dongle and power on the headset. Clear all paired devices (hold Volume Up and Power buttons for 6 seconds) and try pairing again. Ensure the headset is within range of your device.
Short battery life	Ensure the headset is fully charged (2.5-3 hours). Battery performance may vary based on usage patterns and volume levels. A low battery alert will notify you when the battery is running low.

Specifications

Feature	Detail
Model Name	HW20
Connectivity Technology	Wireless (2.4GHz, Bluetooth 5.4)
Audio Latency	20 milliseconds (2.4GHz)
Audio Driver Size	50 millimeters
Impedance	32 ohm
Frequency Response	20 KHz
Microphone	Noise-Canceling, Omnidirectional
Battery Life	Up to 50 hours
Charging Time	2.5-3 hours (USB-C)
Weight	8.8 oz
Ear Placement	Over Ear
Compatible Devices	PS5, PC, PS4, Mac, Switch, Smartphones, Tablets, iPads
Material	Acrylonitrile Butadiene Styrene (ABS), Leather, Polycarbonate (PC)

Warranty and Support

Vakedy provides a 1-year warranty for this product. Additionally, a 30-day return policy is available through the retailer. Our professional team is available 24 hours for any after-sales support. For inquiries or assistance, please feel free to contact us. Your satisfaction is our commitment.

Official Product Video

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Video: An official overview of the Vakedy HW20 Wireless Gaming Headset, demonstrating its features and design.

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