Vakedy HW20 (RM)

Vakedy HW20 Wireless Gaming Headset User Manual

Model: HW20 (RM)
Brand: Vakedy

INTRODUCTION

Welcome to the user manual for your new Vakedy HW20 Wireless Gaming Headset. This guide provides detailed instructions on how to set up, operate, maintain, and troubleshoot your headset to ensure optimal performance and an immersive gaming experience. Please read this manual thoroughly before using the product.

Image: The Vakedy HW20 Wireless Gaming Headset, showcasing both white and green color variants, along with their respective 2.4G USB dongles.

PRODUCT FEATURES

Wireless Performance and Audio Precision

The HW20 headset offers 2.4GHz ultra-low latency wireless connectivity, providing up to 49 feet of unrestricted movement in unobstructed environments with imperceptible latency (≤20ms). This ensures a smooth and responsive gaming experience. Equipped with 50mm dynamic coil drivers, the headset delivers precise audio, allowing users to clearly identify directional sounds, footsteps, and other critical in-game details for an immersive soundstage.

Image: A graphic demonstrating the headset's low latency (≤20ms) and extended working range (49ft), with a gamer wearing the headset in front of a monitor displaying a game scene.

Image: An exploded diagram of the 50mm dynamic coil driver, highlighting its components and illustrating how it helps in perceiving in-game sounds like footsteps, gunfire, and explosions.

Clear Communication and Command

The built-in omnidirectional noise-canceling microphone is designed to effectively reduce background noise, ensuring your voice is captured clearly for in-game chat and real-time communication. The microphone features 360° rotation and a convenient one-button mute function, allowing for natural and precise communication during team collaboration or strategic commands.

Image: A visual representation demonstrating the microphone's ability to effectively eliminate up to 95% of environmental noise, with a "Before" and "After" sound wave comparison.

Multi-Platform Compatibility

The HW20 headset offers versatile connectivity options. In 2.4GHz mode, it is compatible with PS5, PC, PS4, and Mac via the included USB dongle. The Bluetooth mode extends compatibility to smartphones, tablets, iPads, and other smart devices, providing flexibility across various platforms.

Cross-Device Synergy

Your Go-To Audio Gear

⚠️ Note: Not Compatible With Xbox

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

Image: A chart illustrating the cross-device compatibility of the headset, showing which devices (PC/Mac/Laptop, PS4/PS5, Switch, Mobile/Tablet) are supported by Dongle Mode and Bluetooth Mode, with a note about Xbox incompatibility.

Extended Playtime and Fast Charging

Featuring a 900mAh battery, the headset provides extended usage for both music listening and prolonged gaming sessions. A low battery alert system ensures timely recharging. A quick 2.5-3 hour charge via USB-C provides up to 50 hours of playtime, minimizing downtime and keeping you in the game.

Image: A visual representation highlighting the headset's battery efficiency, indicating that 3 hours of charging provides 50 hours of usage, with a large 900mAh battery graphic.

Lightweight Design and Comfort

Weighing only 8.8 ounces, the HW20 headset is designed for lightweight comfort, making long-term wear a burden-free experience. It is equipped with soft, breathable mesh ear pads that promote airflow, keeping you cool and comfortable during intense gaming marathons. Stylish breathing lights add a unique visual element to the headset.

Image: A diagram illustrating the breathable mesh design of the earcups, showing air circulation for extended comfort during use.

Image: A composite image showcasing the headset's ergonomic features: breathable soft earmuffs, an adjustable headband, and rotatable earcups for a customized and comfortable fit.

SETUP GUIDE

Initial Charging

Before first use, fully charge the headset. Connect the included USB-C cable to the headset's charging port and the other end to a USB power source (e.g., computer USB port, USB wall adapter). The charging indicator light will show the

charging status. A full charge typically takes 2.5-3 hours.

2.4GHz Wireless Connection (for PC, PS5, PS4, Mac)

1. Insert the 2.4GHz USB dongle into an available USB port on your PC, PS5, PS4, or Mac.

2. Power on the headset by pressing and holding the Power button until the indicator light illuminates.

3. The headset and dongle should automatically pair. The indicator light on the headset will turn solid, indicating a successful connection.

4. On your device, ensure the HW20 headset is selected as the default audio input and output device in your sound settings.

Bluetooth Connection (for Smartphones, Tablets, iPads)

1. Ensure the headset is powered on and not connected via 2.4GHz dongle.

2. Press and hold the Bluetooth pairing button (refer to headset controls section for exact button) until the indicator light flashes rapidly, indicating pairing mode.

3. On your smartphone, tablet, or iPad, go to Bluetooth settings and search for available devices.

4. Select "HW20" from the list of found devices to connect.

5. Once connected, the indicator light on the headset will turn solid.

OPERATING INSTRUCTIONS

Power On/Off

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

Volume Control

- **Volume Up:** Rotate the volume wheel upwards.
- **Volume Down:** Rotate the volume wheel downwards.

Microphone Control

- **Mute/Unmute:** Press the dedicated microphone mute button once. The microphone indicator light will change to indicate mute status.
- **Microphone Rotation:** The microphone arm can be rotated 360 degrees for optimal positioning or to move it out of the way when not in use.

Mode Switching

The headset automatically prioritizes the 2.4GHz dongle connection when detected. To switch between 2.4GHz and Bluetooth modes, ensure the dongle is unplugged for Bluetooth pairing, or plug in the dongle to switch back to 2.4GHz mode.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to wipe the headset. For ear pads, a slightly damp cloth can be used, but ensure they

are completely dry before next use. Do not use harsh chemicals or abrasive cleaners.

- **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 prolong 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 water resistant. Avoid exposure to water or excessive moisture.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from headset	Headset not powered on; Not paired; Volume too low; Incorrect audio output device selected.	Ensure headset is powered on. Re-pair with dongle/Bluetooth. Increase volume. Select "HW20" as default audio output in device settings.
Microphone not working	Microphone muted; Incorrect audio input device selected; Microphone arm not positioned correctly.	Unmute microphone. Select "HW20" as default audio input in device settings. Adjust microphone arm closer to your mouth.
Headset not connecting via 2.4GHz	Dongle not properly inserted; Dongle not recognized; Interference.	Ensure dongle is fully inserted. Try a different USB port. Move away from other wireless devices that may cause interference. Restart both device and headset.
Headset not connecting via Bluetooth	Headset not in pairing mode; Bluetooth off on device; Already connected to another device.	Put headset into Bluetooth pairing mode. Ensure Bluetooth is enabled on your device. Disconnect from other devices if necessary.
Short battery life	Not fully charged; Battery degradation over time.	Ensure headset is fully charged (2.5-3 hours). If battery life significantly decreases over time, it may be due to normal battery degradation.

SPECIFICATIONS

Feature	Detail
Brand	Vakedy
Model Number	RM
Connectivity Technology	Wireless (2.4GHz, Bluetooth), Wired (USB for charging)
Wireless Communication Technology	2.4GHz, Bluetooth
Compatible Devices	PS5, PC, PS4, Mac, Smartphones, Tablets, iPads
Water Resistance Level	Not Water Resistant
Frequency Range	20 Hz to 20,000 Hz
Audio Driver Type	Dynamic Driver

Feature	Detail
Audio Latency	≤20 Milliseconds
Earpiece Shape	Over Ear
Form Factor	Over Ear
Battery Capacity	900mAh
Playtime	Up to 50 hours
Charging Time	2.5-3 hours (USB-C)
Weight	8.8 ounces

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product packaging or visit the official Vakedy website. If you encounter any issues not covered in this manual, or require further assistance, please contact Vakedy customer support through their official channels.
Please retain your proof of purchase for warranty claims.