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Sony WHH900N

Sony WH-H900N Hi-Res Wireless Noise Cancelling Headphones User Manual

Model: WH-H900N

INTRODUCTION

This manual provides instructions for the safe and effective use of your Sony WH-H900N Hi-Res Wireless Noise Cancelling Headphones. These headphones are designed to deliver high-resolution audio quality with digital noise cancellation and Bluetooth wireless connectivity. Please read this manual thoroughly before using the product and retain it for future reference.



Image: A user wearing the Sony WH-H900N headphones in a cafe setting, demonstrating typical use.

PACKAGE CONTENTS

Verify that all items listed below are included in your product package:

- Sony WH-H900N Headphones
- Carrying Pouch
- Connection Cable (approx. 3.94 ft)
- USB Cable for charging
- Operating Instructions (this manual)
- Reference Guide
- Warranty Card



Image: The included 3.5mm audio connection cable, used for wired listening.

PRODUCT FEATURES

- **High-Resolution Audio Compatibility:** Supports various audio formats including SBC, AAC, aptX, aptX HD, and LDAC for enhanced sound quality.
- **DSEE HX Upscaling:** Improves the quality of compressed music files to near high-resolution audio.
- **Digital Noise Cancelling:** Reduces ambient noise for an immersive listening experience.
- **Ambient Sound Mode:** Allows external sounds to be heard, useful for awareness.
- **Touch Sensor Control Panel:** Intuitive controls on the earcup for managing playback, volume, and calls.
- **Sony | Headphones Connect App:** Provides customization options for sound settings and noise cancellation features.
- **Wireless Connectivity:** Features Bluetooth 4.1 and NFC for easy pairing with compatible devices.
- **Wired Connection Option:** Includes a 3.5mm jack for passive listening with the provided audio cable.

SETUP

1. Charging the Headphones

Before initial use, fully charge the headphones. Use the supplied USB cable to connect the headphones to a USB AC adapter (not supplied) or a USB port on a computer.

- The indicator light will illuminate red during charging.
- Charging time is approximately 6 hours for a full charge.

- The indicator light will turn off when charging is complete.

2. Powering On/Off

- **To Power On:** Press and hold the power button until the blue indicator flashes.
- **To Power Off:** Press and hold the power button until the red indicator flashes and then turns off.

3. Bluetooth Pairing

Pair your headphones with a Bluetooth device to enable wireless listening.

NFC Pairing (Recommended for compatible devices)

1. Ensure the NFC function on your smartphone or device is enabled.
2. Turn on the headphones.
3. Touch the N-Mark on the left earcup of the headphones to the N-Mark on your NFC-compatible device.
4. Follow the on-screen prompts to complete the pairing.

Manual Bluetooth Pairing

1. With the headphones powered off, press and hold the power button for approximately 7 seconds until the indicator flashes blue and red alternately. This indicates pairing mode.
2. On your Bluetooth device, go to Bluetooth settings and search for available devices.
3. Select "WH-H900N" from the list of detected devices.
4. If a passkey is required, enter "0000".
5. Once paired, the blue indicator will flash slowly.

OPERATING INSTRUCTIONS

Noise Cancelling and Ambient Sound Mode

The headphones feature a button to cycle through noise cancelling modes:

- **Noise Cancelling On:** Reduces ambient noise.
- **Ambient Sound Mode:** Allows external sounds to be heard, useful for awareness.
- **Noise Cancelling Off:** Standard audio playback without noise cancellation.

Press the NC/Ambient button on the left earcup to switch between these modes.

Touch Sensor Control Panel

The right earcup features a touch sensor for various controls:

- **Volume Control:** Swipe up or down on the panel.
- **Track Control:** Swipe forward or backward for next/previous track.
- **Play/Pause:** Double-tap the center of the panel.
- **Call Management:** Double-tap to answer/end calls.
- **Quick Attention Mode:** Place your hand over the entire right earcup to temporarily lower music volume and allow ambient sound in.







Image: A detailed view of the earcup, highlighting the area for touch controls.

Wired Connection

To use the headphones with a wired connection, connect the supplied audio cable to the 3.5mm jack on the headphones and your audio device. The headphones can be used passively without power in wired mode, though noise cancelling and other electronic features will be unavailable.

Sony | Headphones Connect App

Download the "Sony | Headphones Connect" app on your smartphone or tablet for advanced control and customization:

- Adjust sound equalizer settings.
- Customize noise cancelling and ambient sound modes.
- Update headphone firmware.
- Access additional features and settings.

MAINTENANCE

Cleaning

- Wipe the headphones with a soft, dry cloth.
- Do not use alcohol, benzene, thinners, or other chemical cleaners, as they may damage the finish.
- Clean the ear pads regularly to prevent buildup.

Storage

When not in use, store the headphones in the supplied carrying pouch to protect them from dust and scratches. The headphones can be folded for compact storage.



Image: The Sony WH-H900N headphones shown in their folded configuration, ready for storage or transport.

TROUBLESHOOTING

If you experience issues with your headphones, refer to the following common solutions:

- **No Power:** Ensure the headphones are charged. Connect to a power source using the USB cable.
- **No Sound:**
 - Check if the headphones are powered on and paired correctly via Bluetooth.
 - Increase the volume on both the headphones and the connected device.
 - If using a wired connection, ensure the cable is securely plugged into both devices.
- **Bluetooth Pairing Issues:**
 - Ensure the headphones are in pairing mode (alternating blue and red indicator).
 - Delete the headphone's pairing information from your device and attempt to pair again.

- Move the headphones closer to the Bluetooth device.

- **Noise Cancelling Ineffective:**

- Ensure Noise Cancelling mode is active (not Ambient Sound or Off).
- Check that the earcups are properly sealed around your ears.

For further assistance, consult the Sony support website or contact customer service.

SPECIFICATIONS

Model Name	WH-H900N
Connectivity Technology	Wireless (Bluetooth, NFC)
Bluetooth Version	4.1
Supported Audio Formats	SBC, AAC, aptX, aptX HD, LDAC
Noise Control	Active Noise Cancellation
Frequency Response (Wired)	5 Hz – 40,000 Hz (JEITA)
Frequency Response (Bluetooth)	20 Hz – 20,000 Hz (44.1 kHz Sampling) / 20 Hz – 40,000 Hz (LDAC 96 kHz Sampling, 990 kbps)
Impedance (Wired, Power On)	32 ohm (1 kHz)
Impedance (Wired, Power Off)	16 ohm (1 kHz)
Battery Charge Time	Approx. 6 hours
Headphones Jack	3.5 mm Stereo Mini Jack
Control Method	Touch Sensor
Dimensions (approx.)	6.9 x 4.53 x 7.88 inches
Weight (approx.)	10.2 ounces (0.64 Pounds)

SAFETY INFORMATION

To prevent fire or electric shock, do not expose the unit to rain or moisture. To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only. Do not use the headphones at a high volume for extended periods to prevent hearing damage. Be aware of your surroundings when using noise cancellation, especially in traffic or other hazardous environments.

WARRANTY AND SUPPORT

This product is covered by a limited warranty. Please refer to the included Warranty Card for details regarding terms and conditions. For technical support, product registration, or additional information, visit the official Sony support website or contact your local Sony customer service representative.

Online Support: www.sony.com/electronics/support

