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Netis WF-2116

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Model: WF-2116

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1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Netis WF-2116 Wireless N 300Mbps USB Adapter. This device is designed to provide high-speed wireless connectivity for your desktop or laptop computer, offering enhanced range and performance for online activities such as gaming, video streaming, and VoIP calls.

2. SAFETY INFORMATION

- Do not expose the device to water or excessive humidity.
- Avoid placing the device near heat sources or in direct sunlight.
- Use only the provided USB cable and cradle.
- Keep the device away from children.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified service personnel.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- Netis WF-2116 Wireless N 300Mbps USB Adapter
- USB 2.0 Cradle
- Driver CD
- Quick Installation Guide (not included in this digital manual)

4. PRODUCT OVERVIEW

The Netis WF-2116 is a high-gain wireless USB adapter designed to improve your computer's Wi-Fi reception. It features two external 5dBi antennas for extended range and a USB 2.0 cradle for flexible placement.



Figure 4.1: Netis WF-2116 USB Adapter, antennas, and USB cradle.

The adapter connects to your computer via a standard USB port. The included cradle allows you to position the adapter optimally for signal reception, especially useful for desktop computers or when the computer's USB ports are in an obstructed location.

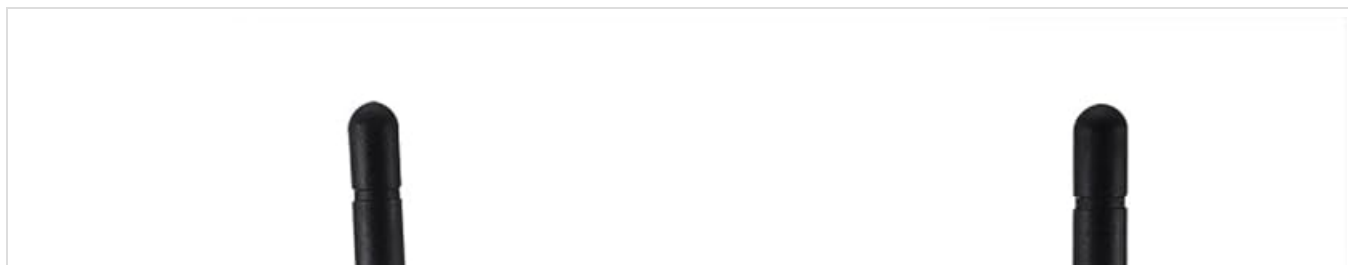






Figure 4.2: Netis WF-2116 USB Adapter mounted in its cradle, showing the adjustable antennas.

5. SETUP

5.1 Driver Installation

1. **Do not plug in the WF-2116 adapter yet.**
2. Insert the provided Driver CD into your computer's CD/DVD drive. If your computer does not have a CD/DVD drive, download the latest drivers from the official Netis website (netis-systems.com).
3. Follow the on-screen instructions to install the drivers. For Windows 8.1 users, it is recommended to download the latest drivers from the Netis website after the initial CD installation, then reinstall them.
4. Restart your computer if prompted.

5.2 Hardware Connection

1. Attach the two 5dBi antennas to the WF-2116 USB adapter by screwing them onto the connectors.
2. Insert the WF-2116 USB adapter into the USB 2.0 cradle.
3. Connect the USB cable from the cradle to an available USB port on your computer. Alternatively, you can plug the WF-2116 adapter directly into a USB port on your computer without the cradle.
4. Adjust the antennas for optimal signal reception. Generally, positioning them vertically or at a slight angle can improve performance.

6. OPERATING THE ADAPTER

6.1 Connecting to a Wireless Network

1. After successful driver installation and hardware connection, your computer should detect the WF-2116 adapter.
2. Open your operating system's wireless network utility (e.g., Wi-Fi icon in the system tray for Windows, Wi-Fi menu bar icon for macOS).
3. Select your desired wireless network (SSID) from the list of available networks.
4. Enter the network security key (password) if prompted. The WF-2116 supports WPA2 encryption for secure connections.
5. Once connected, you should have internet access.

6.2 Using the Access Point (AP) Feature

The WF-2116 adapter can function as a Wi-Fi hotspot (Soft AP) to share your computer's internet connection with other wireless devices. This feature requires specific software configuration, typically available through the driver utility or your operating system's network settings.

- Consult the driver utility software for instructions on enabling and configuring the Soft AP mode.
- Ensure your computer has an active internet connection (e.g., via Ethernet) to share.

7. MAINTENANCE

- **Driver Updates:** Periodically check the Netis official website (netis-systems.com) for updated drivers to ensure

optimal performance and compatibility with new operating system versions.

- **Cleaning:** Use a soft, dry cloth to clean the adapter and cradle. Do not use liquid cleaners or solvents.
- **Antenna Care:** Handle the antennas carefully. Avoid excessive force when adjusting them to prevent damage.
- **Storage:** When not in use for extended periods, store the adapter and its components in a cool, dry place.

8. TROUBLESHOOTING

Q: The adapter is not detected by my computer.

A: Ensure the adapter is firmly plugged into a working USB port. Try a different USB port. Verify that the drivers are correctly installed. Reinstall drivers if necessary, especially for Windows 8.1 users, by downloading the latest version from the Netis website.

Q: I have a weak or unstable wireless signal.

A: Adjust the position of the adapter and its antennas. The USB cradle allows for flexible placement to find an optimal signal. Ensure there are no major obstructions (thick walls, metal objects) between the adapter and your wireless router. Check for interference from other electronic devices. Update your adapter's drivers.

Q: I cannot connect to my wireless network.

A: Double-check that you are entering the correct wireless network password (security key). Ensure your wireless router is powered on and broadcasting its Wi-Fi signal. Try restarting both your computer and your wireless router.

Q: The adapter randomly disconnects.

A: This can often be a driver-related issue. Ensure you have the latest drivers installed from the Netis website. Check your computer's power management settings to ensure the USB port is not being powered down to save energy. Try connecting the adapter to a different USB port.

If you continue to experience issues, please refer to the Netis support website for further assistance.

9. SPECIFICATIONS

Model	WF-2116
Wireless Type	802.11b/g/n
Data Transfer Rate	Up to 300 Mbps
Antenna Type	Two 5dBi External Antennas
Hardware Interface	USB 2.0
Operating System Support	Windows, Linux, Mac OS
Dimensions (LxWxH)	8.6 x 1.8 x 6.2 inches (approximate, including antennas)
Weight	8 ounces (approximate)

10. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or visit the official Netis website. Netis provides technical support for its products.

Netis Support Website: <https://www.netis-systems.com/support>

Please have your product model number (WF-2116) and purchase details ready when contacting support.

