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› TP-Link TL-WN7200ND Wireless N150 High Power USB Adapter User Manual

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TP-Link TL-WN7200ND Wireless N150 High Power USB Adapter User Manual

Model: TL-WN7200ND | Brand: TP-Link

1. PRODUCT OVERVIEW

The TP-Link TL-WN7200ND is a 150Mbps High Power Wireless USB Adapter designed to provide enhanced wireless connectivity for your desktop or laptop computer. It features high power and high receive sensitivity, offering improved performance compared to standard wireless adapters. The detachable 5dBi omni-directional antenna allows for flexible positioning and potential upgrades.

Key features include:

- 150Mbps wireless data rates, suitable for video streaming, online gaming, and internet calling.
- High power and high receive sensitivity for performance enhancement.
- Desktop design for stable signal reception.
- External detachable 5dBi omni-directional antenna for better alignment and potential upgrades.
- Supports IEEE 802.11n, IEEE 802.11g, and IEEE 802.11b standards.
- Equipped with a Mini USB interface.



Figure 1: TP-Link TL-WN7200ND High Power Wireless USB Adapter.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- TP-Link TL-WN7200ND High Power Wireless USB Adapter
- Detachable Omni-directional Antenna (5dBi)
- USB Extension Cable
- Resource CD (for drivers and utility)
- Quick Installation Guide



Figure 2: TP-Link TL-WN7200ND Product Packaging and Included Items.

3. SETUP GUIDE

3.1 Hardware Installation

1. **Attach the Antenna:** Carefully screw the detachable omni-directional antenna onto the antenna connector on the back of the TL-WN7200ND adapter. Ensure it is securely fastened.
2. **Connect to Computer:** Plug one end of the provided USB extension cable into the Mini USB port on the TL-WN7200ND adapter. Connect the other end of the USB cable to an available USB port on your computer.
3. **Position the Adapter:** Place the adapter in a location that allows for optimal signal reception, ideally with a clear line of sight to your wireless router or access point. The desktop design and extension cable provide flexibility for

placement.

3.2 Driver Installation

For Windows Vista and Windows XP operating systems, manual driver installation is typically required. For newer operating systems, drivers may install automatically or be available via Windows Update. If automatic installation does not occur, follow these steps:

1. **Insert Resource CD:** Insert the provided Resource CD into your computer's CD/DVD drive.
2. **Run Setup:** If the auto-run program does not start automatically, navigate to the CD drive in "My Computer" or "This PC" and double-click on the "Setup.exe" file.
3. **Follow On-Screen Instructions:** Follow the prompts in the installation wizard to complete the driver and utility installation. You may need to restart your computer after installation.
4. **Download Latest Drivers (Optional but Recommended):** For the best performance and compatibility, it is recommended to download the latest drivers from the official TP-Link website (www.tp-link.com/ca/support/download/tl-wn7200nd/).

3.3 Connecting to a Wireless Network

Once the adapter and drivers are installed, you can connect to a wireless network:

- **Using the Wireless Utility:**

- a. Locate the wireless network icon in your system tray (usually near the clock).
- b. Click the icon to view available wireless networks.
- c. Select your desired network (SSID) from the list and click "Connect".
- d. If prompted, enter the network security key (password) and click "OK" or "Connect".

- **Using WPS (Wi-Fi Protected Setup) Button:**

If your wireless router supports WPS, you can use the QSS (Quick Security Setup) button on the adapter for a quick and secure connection:

- a. Press the WPS/QSS button on your wireless router.
- b. Within two minutes, press the QSS button on the TL-WN7200ND adapter.
- c. The adapter will automatically establish a secure connection with your router.

4. OPERATING THE ADAPTER

Once connected, the TL-WN7200ND adapter operates continuously to provide wireless internet access. The LED indicator on the adapter will typically show its status:

- **Solid Green:** The adapter is connected and functioning normally.
- **Blinking Green:** Data is being transmitted or received.
- **Off:** The adapter is not connected or is not powered on.

To disconnect from a network or switch networks, use the wireless utility provided by your operating system or the TP-Link utility (if installed).

5. MAINTENANCE

To ensure the longevity and optimal performance of your TL-WN7200ND adapter, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the adapter. Do not use liquid cleaners or aerosols.

- **Environment:** Keep the adapter in a cool, dry place, away from direct sunlight, heat sources, and excessive moisture.
- **Handling:** Avoid dropping or subjecting the adapter to strong impacts. Handle the antenna carefully when attaching or detaching.
- **Ventilation:** Ensure the adapter is placed in a location with adequate airflow to prevent overheating.

6. TROUBLESHOOTING

6.1 No Wireless Connection

- **Check Adapter Connection:** Ensure the USB adapter is securely plugged into a working USB port on your computer.
- **Verify Driver Installation:** Confirm that the drivers for the TL-WN7200ND are correctly installed. Check Device Manager (Windows) for any yellow exclamation marks next to the adapter.
- **Router Status:** Ensure your wireless router is powered on and broadcasting a Wi-Fi signal.
- **Antenna Connection:** Make sure the detachable antenna is firmly screwed onto the adapter.
- **Network Visibility:** Check if your wireless network (SSID) is visible in the list of available networks. If not, ensure your router's SSID broadcast is enabled.

6.2 Slow Connection Speed

- **Signal Strength:** Check the wireless signal strength. A weak signal can lead to slow speeds. Try repositioning the adapter or your router.
- **Interference:** Other electronic devices (cordless phones, microwaves, Bluetooth devices) can cause interference. Move the adapter away from such devices.
- **Router Settings:** Ensure your router is configured for optimal performance (e.g., using the least congested channel).
- **Driver Update:** Ensure you have the latest drivers installed from the TP-Link website.

6.3 Adapter Not Detected

- **Try Another USB Port:** Plug the adapter into a different USB port on your computer.
- **Restart Computer:** A simple restart can often resolve detection issues.
- **Check Device Manager:** In Windows Device Manager, look for "Network Adapters" or "Other Devices" for any unrecognized hardware.

7. SPECIFICATIONS

Brand	TP-Link
Model Number	TL-WN7200ND
Hardware Interface	Mini USB
Antenna Type	5dBi Detachable Omni-directional
Wireless Standards	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b
Data Transfer Rate	Up to 150 Mbps (802.11n)

Frequency Range	2.4 - 2.4835 GHz
Wireless Transmit Power	<20dBm (EIRP, CE Standards); <27dBm (EIRP, FCC Standards)
Security	WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES)
Operating System Support	Windows Vista, Windows XP (and newer OS with updated drivers)
Dimensions (L x W x H)	9 x 6 x 2.4 cm (approx.)
Weight	272.16 g (approx.)

8. WARRANTY AND TECHNICAL SUPPORT

8.1 Warranty Information

TP-Link products come with a limited warranty. The specific terms and duration of the warranty may vary by region and product. Please refer to the warranty card included with your product or visit the official TP-Link website for detailed warranty information applicable to your purchase.

8.2 Technical Support

For technical assistance, driver downloads, firmware updates, and frequently asked questions, please visit the official TP-Link support website:

www.tp-link.com/ca/support/

You can also find contact information for TP-Link customer service in your region on their support portal.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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