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> TP-Link TL-WN7200ND 150Mbps High Power Wireless USB Adapter User Manual

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USER MANUAL

1. Product Overview

The TP-Link TL-WN7200ND is a 150Mbps High Power Wireless USB Adapter designed to provide a robust and reliable wireless connection for your desktop or laptop computer. Its high power and receive sensitivity features ensure an extended transmission distance and stable signal, even through multiple walls or floors. This adapter is ideal for bandwidth-intensive applications such as video streaming, online gaming, and internet calling.



Figure 1: The TP-Link TL-WN7200ND High Power Wireless USB Adapter. This image shows the compact black adapter unit with a prominent detachable antenna extending upwards from one end. The TP-Link logo is visible on the top surface, along with a circular

button for QSS (Quick Security Setup).

Key Features:

- 150Mbps wireless data rates for smooth video streaming and online gaming.
- High power and high receive sensitivity for enhanced performance and extended range.
- Signal stability across multiple walls or floors.
- Easy setup of a highly secured wireless connection with the QSS (Quick Security Setup) button.
- WPA/WPA2 encryptions for network security.
- Supports Soft AP mode for creating a Wi-Fi hotspot (for Windows XP/Vista).
- Backward compatible with IEEE 802.11b/g products.
- External detachable antenna for better alignment and potential upgrades.

2. Setup and Installation

Follow these steps to install your TL-WN7200ND Wireless USB Adapter:

1. **Install the Driver:** Insert the bundled CD into your computer's CD-ROM drive. Follow the on-screen instructions to install the necessary drivers and utility software. If you do not have a CD drive, drivers can typically be downloaded from the official TP-Link support website.
2. **Connect the Adapter:** Plug the TL-WN7200ND USB adapter into an available USB port on your desktop or laptop computer. Ensure the connection is secure.
3. **Attach the Antenna:** Screw the detachable antenna onto the adapter's antenna connector. Adjust the antenna's position for optimal signal reception.
4. **Verify Installation:** After installation, the adapter's utility software should launch automatically or can be accessed from your system tray. The adapter is compatible with Windows XP, Vista, 7, and 8.

3. Operating the Adapter

Connecting to a Wireless Network:

1. **Using the Utility:** Open the TP-Link Wireless Utility. It will display a list of available wireless networks.
2. **Select Network:** Choose your desired network from the list and click 'Connect'.
3. **Enter Password:** If the network is secured, enter the correct wireless password (security key) when prompted.
4. **Confirm Connection:** Once connected, the utility will show the connection status, signal strength, and network speed.

Using QSS (Quick Security Setup):

The QSS button allows for a quick and secure connection to a WPS-enabled router without manually entering a password.

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

Soft AP Mode (Windows XP/Vista):

In Soft AP mode, the adapter can function as a virtual Wi-Fi hotspot, allowing other wireless devices to connect to

your computer's internet connection.

- Access the Soft AP feature through the TP-Link Wireless Utility.
- Configure the network name (SSID) and security settings for your new hotspot.
- Enable the Soft AP mode to start broadcasting your Wi-Fi network.

4. Maintenance

- Keep the adapter clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the adapter to extreme temperatures, humidity, or direct sunlight.
- Ensure the antenna is securely attached but do not overtighten. Adjust its orientation for optimal signal.
- When not in use for extended periods, it is recommended to safely remove the adapter from the USB port.

5. Troubleshooting

- **No Wireless Connection:**
 - Ensure the adapter is properly plugged into a USB port.
 - Verify that the drivers are correctly installed. Check Device Manager for any yellow exclamation marks.
 - Make sure your wireless router is powered on and broadcasting a signal.
 - Check if the wireless function is enabled on your computer.
- **Slow Connection Speed:**
 - Relocate the adapter or adjust the antenna for better signal strength.
 - Ensure there are no major obstructions (e.g., thick walls, metal objects) between the adapter and the router.
 - Check for interference from other electronic devices (e.g., cordless phones, microwaves).
 - Update the adapter's drivers to the latest version from the TP-Link website.
- **Cannot Find Wireless Networks:**
 - Confirm that your router's SSID broadcast is enabled.
 - Try restarting both your computer and the wireless router.
 - Ensure the adapter is not in Soft AP mode if you intend to connect to an existing network.

6. Specifications

Feature	Description
Model	TL-WN7200ND
Interface	USB 2.0
Wireless Standards	IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Data Transfer Rate	Up to 150Mbps
Antenna Type	Detachable Omni-directional (RP-SMA)
Wireless Security	64/128 bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES)
Operating System Support	Windows XP, Windows Vista, Windows 7, Windows 8

Dimensions (W x D x H)	Approx. 20.8 x 14.8 x 3.8 cm (Package)
Item Weight	Approx. 133 g

7. Warranty and Support

TP-Link products typically come with a limited warranty. Please refer to the warranty card included in your product packaging or visit the official TP-Link website for detailed warranty terms and conditions specific to your region.

For technical support, driver downloads, and frequently asked questions, please visit the TP-Link support website. You can also find contact information for customer service in your region on their official website.

Note: Product specifications and features are subject to change without notice.