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> [Tenda N150 W311MI USB WiFi Adapter User Manual](#)

## Tenda W311MI

# Tenda N150 W311MI USB WiFi Adapter User Manual

Model: W311MI | Brand: Tenda

## INTRODUCTION

This manual provides comprehensive instructions for the Tenda N150 W311MI USB WiFi Adapter. It covers setup, operation, maintenance, troubleshooting, and product specifications to ensure optimal performance and user experience. The Tenda W311MI is a compact wireless USB adapter designed to provide Wi-Fi connectivity to desktop and notebook computers. It supports 802.11n standards, offering enhanced speed and range for internet access and file sharing.

## PACKAGE CONTENTS

Verify that all items are present in the package:

- Tenda N150 W311MI USB WiFi Adapter
- Installation CD (for drivers and utility)
- Installation Guide

## SETUP AND INSTALLATION

Follow these steps to install your Tenda N150 W311MI USB WiFi Adapter:

### Step 1: Insert the Adapter

Insert the Tenda W311MI USB WiFi Adapter into an available USB port on your desktop or laptop computer.



Image: The Tenda W311MI USB WiFi Adapter plugged into a desktop computer's USB port. This illustrates the compact size and how it integrates with a computer.



Image: The Tenda W311MI USB WiFi Adapter plugged into a laptop computer's USB port. This demonstrates its low-profile design, suitable for portable use.

## Step 2: Install Drivers

### For Windows Operating Systems:

1. Insert the provided Installation CD into your computer's CD-ROM drive.
2. Follow the on-screen instructions to install the drivers and utility software. If the auto-run feature does not start, navigate to the CD drive in "My Computer" or "This PC" and run the setup executable.
3. Alternatively, download the latest drivers from the official Tenda support website if your computer does not have a CD-ROM drive or if newer drivers are available.
4. Restart your computer after the installation is complete, if prompted.

## For Linux and macOS Operating Systems:

Drivers for Linux and macOS may need to be downloaded from the Tenda support website. Refer to the specific instructions provided on the website for your operating system version.

## Step 3: Connect to a Wireless Network

1. After driver installation, the wireless network icon will appear in your system tray (Windows) or menu bar (macOS).
2. Click on the wireless network icon to view available networks.
3. Select your desired Wi-Fi network from the list.
4. Enter the network security key (password) if prompted.
5. Click "Connect" to establish the wireless connection.

## OPERATING INSTRUCTIONS

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Once connected, the Tenda W311MI operates as your computer's primary wireless interface. You can manage your connection through your operating system's network settings.

- **Checking Connection Status:** The network icon in your system tray/menu bar will indicate connection status. Green bars typically signify a strong signal.
- **Disconnecting:** To disconnect from a network, click the network icon, select the connected network, and choose "Disconnect."
- **Switching Networks:** To switch to a different network, select it from the list of available networks and enter its password if required.

## MAINTENANCE

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The Tenda W311MI USB WiFi Adapter requires minimal maintenance:

- **Keep Drivers Updated:** Periodically check the Tenda official website for updated drivers to ensure optimal performance and compatibility.
- **Cleanliness:** Keep the adapter free from dust and debris. Use a soft, dry cloth for cleaning. Do not use liquid cleaners.
- **Physical Protection:** Avoid physical damage to the adapter. When not in use, consider storing it in a protective case, especially if traveling.

## TROUBLESHOOTING

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If you encounter issues with your Tenda W311MI, refer to the following common problems and solutions:

### 1. No Wireless Networks Detected:

- Ensure the adapter is securely plugged into a USB port.
- Verify that the drivers are correctly installed. Check Device Manager (Windows) for any error indicators.
- Confirm that your wireless router is powered on and broadcasting a signal.
- Try the adapter in a different USB port or on another computer to rule out port issues.

### 2. Cannot Connect to a Specific Network:

- Double-check the Wi-Fi password (security key). Passwords are case-sensitive.
- Ensure your router's security settings (WPA/WPA2) are compatible with the adapter.
- Restart your router and computer.

- If the network uses MAC address filtering, ensure the adapter's MAC address is allowed on your router.

### 3. Slow Connection Speed or Frequent Disconnections:

- Move closer to your wireless router to improve signal strength.
- Ensure there are no large obstructions (e.g., thick walls, metal objects) between the adapter and the router.
- Check for interference from other devices operating on the 2.4GHz band (e.g., cordless phones, microwaves).
- Update the adapter's drivers to the latest version.
- Consider changing the wireless channel on your router to a less congested one.

### 4. Adapter Not Recognized by Computer:

- Ensure the USB port is functional. Test with another USB device.
- Reinstall the drivers.
- Check your computer's BIOS/UEFI settings to ensure USB ports are enabled.

## SPECIFICATIONS

<b>Model</b>	W311MI
<b>Hardware Interface</b>	USB 2.0
<b>Wireless Standards</b>	IEEE 802.11b/g/n
<b>Data Link Protocol</b>	802.11b/g/n
<b>Data Transfer Rate</b>	Up to 150 Mbps
<b>Frequency</b>	2.4 GHz
<b>Antenna</b>	1x 2dBi Fixed Internal PCB Antenna
<b>Compatible Devices</b>	Desktop, Laptop
<b>Compatible OS</b>	Windows 10/8.1/8/7/Vista/XP (32/64-bit), Linux, macOS
<b>Product Dimensions</b>	7.5 x 0.5 x 4.5 inches (approximate)
<b>Item Weight</b>	0.08 ounces (approximate)

## WARRANTY INFORMATION

The Tenda N150 W311MI USB WiFi Adapter comes with a **3-year warranty** when purchased from an authorized Tenda seller. Please retain your proof of purchase for warranty claims.

For detailed warranty terms and conditions, please refer to the official Tenda website or contact customer support.

## CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact Tenda Professional Support:

- **Email:** [support.us@tenda.cn](mailto:support.us@tenda.cn)
- **Official Website:** Visit the [Tenda US Support Page](#) for drivers, FAQs, and additional resources.

