

## 10Gtek WD-1513B

# 150Mbps Free Driver Wireless USB WiFi Adapter

Model: WD-1513B | Brand: 10Gtek

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your 10Gtek 150Mbps Free Driver Wireless USB WiFi Adapter. This device is designed to provide wireless network connectivity to your desktop or laptop computer, offering a maximum speed of 150Mbps on the 2.4GHz band. Its 'free driver' functionality simplifies the setup process, eliminating the need for manual driver installation from a CD or online download for compatible operating systems.



Image 1.1: The 10Gtek 150Mbps Free Driver Wireless USB WiFi Adapter, featuring a compact design with 'WiFi 4 Free Driver' branding.

## 2. PRODUCT FEATURES

---

- **Chipset:** Realtek 8811GU for reliable performance.
- **Wireless Speed:** Maximum speed up to 2.4GHz 150Mbps.
- **Wireless Standards:** Compatible with 802.11 b/g/n.
- **Operating System Compatibility:** Supports Windows 10, 8.1, 8, 7, and XP.
- **Driver Installation:** Free driver design, eliminating the need for a CD or online download for driver installation.
- **Compact Design:** Mini size for portability and discreet use.



Image 2.1: Key features of the USB WiFi Adapter, highlighting 150Mbps speed, USB 2.0 interface, single band 2.4GHz, and high gain antenna.



Image 2.2: Visual representation of the adapter's 150 Mbps speed, free driver capability, 802.11n standard, and USB 2.0 interface.

### 3. PACKAGE CONTENTS

---

Please check the package for the following items:

- 1x 10Gtek 150Mbps Free Driver Wireless USB WiFi Adapter (Model: WD-1513B)

### 4. SETUP INSTRUCTIONS

---

The 10Gtek 150Mbps Free Driver Wireless USB WiFi Adapter is designed for easy plug-and-play installation on compatible Windows operating systems. For Linux users, many distributions offer native support.

#### 4.1. Windows Installation (Windows 10/8.1/8/7/XP)

1. **Insert the Adapter:** Plug the USB WiFi Adapter into an available USB port on your desktop or laptop computer.
2. **Automatic Driver Installation:** Upon insertion, the adapter will typically be recognized as a storage device containing the necessary drivers. An auto-run program should appear. If it does not, navigate to 'This PC' or 'My Computer', locate the new drive (often labeled 'CD Drive' or similar), and double-click the setup executable (e.g., 'setup.exe' or 'install.exe').
3. **Follow On-Screen Prompts:** Proceed with the driver installation by following the instructions provided

by the setup wizard.

4. **Completion:** Once the installation is complete, the adapter will be recognized as a WiFi network adapter, and the virtual storage device will disappear. You can then proceed to connect to a wireless network.

## 4.2. Linux Installation

For many modern Linux distributions (e.g., Ubuntu, Mint, Zorin OS), the adapter may be plug-and-play, meaning it will be recognized automatically upon insertion without requiring manual driver installation. If the adapter is not recognized, you may need to consult your distribution's documentation or online forums for specific instructions on installing Realtek 8811GU chipset drivers.

# Compatibility

Operation system supports Windows 7/8/8.1/10/XP



Image 4.1: Diagram illustrating the compatibility of the USB WiFi adapter with various Windows operating systems (Windows 7, 8, 8.1, 10, XP) for notebooks, smartphones, tablets, and desktop computers.

# Ultra-small



Image 4.2: A circular graphic depicting the adapter's compatibility with Windows XP, Windows 7, Windows 10, and Windows 8/8.1.

## 5. OPERATING INSTRUCTIONS

### 5.1. Connecting to a Wireless Network

1. **Enable WiFi:** Ensure your computer's WiFi is enabled. The adapter should be listed in your network connections.
2. **Scan for Networks:** Open your operating system's network settings or WiFi icon in the system tray. It will display a list of available wireless networks.
3. **Select Network:** Choose your desired WiFi network from the list.
4. **Enter Password:** If the network is secured, enter the WiFi password (security key) when prompted.
5. **Connect:** Click 'Connect' to establish a connection. Once connected, you should have internet access.

### 5.2. Soft-AP Mode (Access Point Mode)

The adapter supports Soft-AP mode, allowing your computer to function as a wireless hotspot. This enables other devices (like smartphones or tablets) to connect to your computer's internet connection wirelessly. This feature is typically configured through the adapter's utility software or your operating system's network settings.

# Soft-AP Mode

Without router & AP, our USB Wifi adapter can share wireless wifi from the online devices.



Image 5.1: Illustration of the Soft-AP Mode, where the USB WiFi adapter allows a laptop to share its internet connection with other wireless devices like a desktop computer, smartphone, and tablet.

## 5.3. Wireless Security

The adapter supports various security mechanisms to protect your wireless network, including WPA-PSK/WPA2-PSK and WEP Encrypt. It is recommended to use WPA2-PSK for the strongest security.





Image 5.2: Depiction of the adapter's security features, including WPA-PSK/WPA2-PSK and WEP encryption, ensuring a secure wireless network.

## 6. TROUBLESHOOTING

---

If you encounter issues with your USB WiFi Adapter, please refer to the following common solutions:

- **No WiFi Networks Found:**

- Ensure the adapter is securely plugged into a USB port.
- Verify that the driver is correctly installed (check Device Manager in Windows).
- Restart your computer.
- Check if your router is powered on and broadcasting a WiFi signal.

- **Slow Connection Speed:**

- Ensure your computer is within range of your wireless router.
- Minimize interference from other electronic devices (e.g., microwaves, cordless phones).
- Update your router's firmware.
- If using Soft-AP mode, ensure no other devices are heavily utilizing bandwidth.

- **Frequent Disconnections:**

- Try plugging the adapter into a different USB port.
- Ensure your computer's power management settings are not turning off the USB device to save power.
- Update the adapter's driver if a newer version is available (though this is a 'free driver' model, occasional updates might be released).
- Check for conflicting software or network utilities.

- **Driver Installation Issues:**

- If the auto-run does not work, manually browse the adapter's virtual drive for the setup file.

- Temporarily disable antivirus software during installation if it interferes.
- Ensure your operating system is supported by the adapter.

7. SPECIFICATIONS

Feature	Specification
Model Number	WD-1513B
Brand	10Gtek
Hardware Interface	USB 2.0
Data Link Protocol	USB
Data Transfer Rate	150 Megabits Per Second
Wireless Standards	802.11 b/g/n
Frequency Band	2.4GHz Single Band
Chipset	Realtek 8811GU
Compatible Operating Systems	Windows 10/8.1/8/7/XP, Linux (some distributions)
Compatible Devices	Desktop, Laptop
Item Weight	0.317 ounces (0.01 Kilograms)
Package Dimensions	3.98 x 3.07 x 0.35 inches



Image 7.1: Detailed dimensions of the USB WiFi Adapter, showing its compact size of approximately 15mm width, 21mm height (USB connector included), and 6.5mm depth.



## 8. MAINTENANCE

To ensure optimal performance and longevity of your USB WiFi Adapter, consider the following maintenance tips:


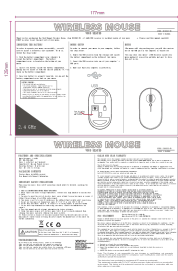
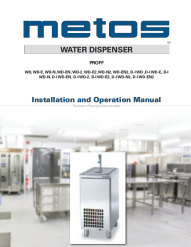
- **Keep Clean:** Periodically clean the adapter's exterior with a soft, dry cloth. Avoid using liquid cleaners.
- **Proper Handling:** Always grasp the adapter by its body when inserting or removing it from a USB port. Avoid pulling by the cap or twisting.
- **Storage:** When not in use, store the adapter in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Avoid Physical Damage:** Protect the adapter from drops, impacts, and excessive force, which can damage internal components or the USB connector.



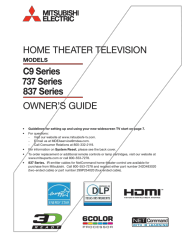
## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official 10Gtek website. Keep your proof of purchase for any warranty claims. If you require further assistance or have questions not covered in this manual, please contact 10Gtek customer support through their official channels.

© 2025 10Gtek. All rights reserved.

### Related Documents - WD-1513B

	<p><a href="#">10Gtek WD-4503AC Wireless USB Adapter Quick Installation Guide</a></p> <p>Comprehensive quick installation guide for the 10Gtek WD-4503AC Wireless USB Adapter. Covers hardware connection, driver installation, wireless connection setup for Windows and macOS, and FCC compliance information.</p>
	<p><a href="#">Vivitar Wood Shaped Wireless Mouse CM-ES15-WD User Manual</a></p> <p>User manual for the Vivitar Wood Shaped Wireless Mouse (Model CM-ES15-WD). Includes setup instructions, battery installation, safety precautions, troubleshooting, warranty information, and FCC compliance details.</p>
	<p><a href="#">Metos PROFF Water Dispenser: Installation and Operation Manual</a></p> <p>Comprehensive guide for installing, operating, and maintaining Metos PROFF series water dispensers (WD, D-I WD models). Includes safety, troubleshooting, and technical specifications.</p>

	<p><a href="#"><u>LG Front Loading Washing Machines and Intellodryers: Features, Models, and Specifications</u></a></p> <p>Explore the range of LG Front Loading Washing Machines and Intellodryers, featuring Direct Drive technology, energy efficiency, and various models with detailed specifications and benefits. Find detailed information on capacity, performance, and smart features.</p>
	<p><a href="#"><u>Waterdrop Brand Cooperation Manual: Leading Residential Water Treatment Solutions</u></a></p> <p>Explore the Waterdrop Brand Cooperation Manual, detailing their leading position in residential water treatment solutions, product offerings, and distributor support programs. Learn about their innovative technology, global presence, and commitment to quality.</p>
	<p><a href="#"><u>Mitsubishi Home Theater Television Owner's Guide: C9, 737, and 837 Series</u></a></p> <p>Comprehensive owner's guide for Mitsubishi Home Theater Televisions (C9, 737, 837 Series), detailing setup, features, connections, operation, and troubleshooting for your home entertainment system.</p>