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› MERCUSYS N300 Wireless Mini USB WiFi Adapter (MW300UM) Instruction Manual

MERCUSYS MW300UM

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Model: MW300UM

1. PRODUCT OVERVIEW

The MERCUSYS MW300UM N300 Wireless Mini USB Adapter is designed to connect your desktop or laptop computer to a wireless network. It provides Wi-Fi connections up to 300Mbps, suitable for online gaming, HD streaming, and web browsing. Its compact, mini USB design ensures portability and convenience.



Figure 1: MERCUSYS MW300UM N300 Wireless Mini USB WiFi Adapter

Portable Design for More Convenience



Figure 2: Portable design for convenient use with laptops.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- MERCUSYS MW300UM Wireless Mini USB Adapter
- Quick Installation Guide
- Resource CD (for drivers and utility)



Figure 3: MW300UM product packaging and contents.

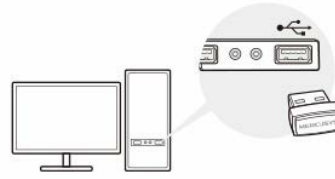
3. SETUP GUIDE

Follow these steps to install and set up your MW300UM Wireless Mini USB Adapter:

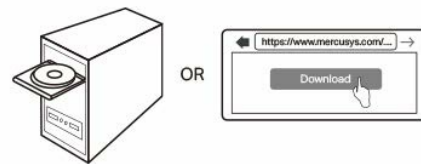
1. **Insert the Adapter:** Plug the MW300UM adapter into an available USB port on your desktop or laptop computer.
2. **Install Drivers:**
 - Insert the provided Resource CD into your computer's CD-ROM drive and follow the on-screen instructions to install the drivers and utility.
 - Alternatively, if your computer does not have a CD-ROM drive or if you prefer the latest drivers, download them from the official MERCUSYS website. The website link is typically provided in the Quick Installation Guide.
3. **Connect to Wi-Fi:** Once the drivers are installed, your computer will detect the adapter. Scan for available wireless networks, select your desired network, and enter the password to connect.

Easy Set Up

- 1 Insert the adapter into a USB port on your computer directly



- 2 Install the software with the include CD or download from <http://www.mercusys.com/en/download/MW300UM>



- 3 Scan for the available networks and connect to finish the installation



Figure 4: Easy setup process for the MW300UM adapter.

4. OPERATING INSTRUCTIONS

The MW300UM adapter provides reliable wireless connectivity and can also function as a Wi-Fi hotspot.

4.1 Wireless Connectivity

After successful driver installation, the adapter will enable your computer to connect to 2.4GHz wireless networks at speeds up to 300Mbps. This is suitable for various online activities including video streaming, voice calls, and online gaming.

300Mbps at 2.4GHz



Video



Voice



Game

Figure 5: MW300UM performance for various applications.

4.2 Soft AP Function

The MW300UM supports Soft AP (Access Point) functionality. If your computer has an existing wired internet connection, you can use the adapter to turn your PC or laptop into a Wi-Fi hotspot, allowing other wireless devices to connect to the internet through it. Refer to the utility software for instructions on enabling and configuring Soft AP mode.

4.3 Supported Operating Systems

The MW300UM adapter is compatible with a wide range of Windows operating systems:

- Windows 11 (32/64bit)
- Windows 10 (32/64bit)
- Windows 8.1 (32/64bit)
- Windows 8 (32/64bit)
- Windows 7 (32/64bit)
- Windows XP (32/64bit)

Operating System



Figure 6: Supported Operating Systems.

5. MAINTENANCE

To ensure optimal performance and longevity of your MW300UM adapter, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to gently wipe the adapter. Avoid using liquid cleaners or solvents, as they may damage the device.
- **Storage:** When not in use, store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the adapter or subjecting it to strong impacts. Do not attempt to disassemble or modify the device.
- **USB Port:** Ensure the USB port on your computer is clean and free of debris before inserting the adapter.

6. TROUBLESHOOTING

If you encounter issues with your MW300UM adapter, refer to the following common problems and solutions:

- **Adapter Not Detected:**

- Ensure the adapter is firmly plugged into a working USB port. Try a different USB port.
- Restart your computer.
- Verify that the drivers are correctly installed. Reinstall drivers if necessary.

- **Cannot Connect to Wi-Fi Network:**

- Check if other devices can connect to the same Wi-Fi network.
- Ensure you are entering the correct Wi-Fi password.
- Restart your wireless router/modem.
- Update the adapter's drivers to the latest version from the MERCUSYS website.

- **Slow Wi-Fi Speed:**

- Ensure your computer is within a reasonable range of your wireless router.
- Check for interference from other electronic devices (e.g., microwaves, cordless phones).
- Verify that your internet service plan supports the expected speeds.
- Update the adapter's drivers.

7. SPECIFICATIONS

Feature	Specification
Brand	MERCUSYS
Model Number	MW300UM
Hardware Interface	USB 2.0
Data Link Protocol	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b
Data Transfer Rate	300 Megabits Per Second
Compatible Operating Systems	Windows 11/10/8.1/8/7/XP (32/64bit)
Product Dimensions (L x W x H)	17L x 9W x 43H Millimeters
Color	Black
Box Contents	Wireless Mini USB Adapter, Quick Installation Guide, Resource CD

8. WARRANTY INFORMATION

The MERCUSYS MW300UM Wireless Mini USB Adapter typically comes with a **3-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as intended under normal use. Please retain your purchase receipt for warranty claims.

For detailed warranty terms and conditions, refer to the official MERCUSYS website or the warranty card included in your product packaging.

9. SUPPORT

For further assistance, technical support, or to download the latest drivers and firmware, please visit the

official MERCUSYS support website:

www.mercusys.com

You may also find contact information for customer service in your region on the website or in the Quick Installation Guide.