

## MERCUSYS MA30H

# MERCUSYS MA30H AC1300Mbps USB WiFi Adapter User Manual

Model: MA30H

## INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your MERCUSYS MA30H AC1300Mbps USB WiFi Adapter. The MA30H is designed to provide high-speed wireless connectivity for your computer, leveraging dual-band Wi-Fi technology (867 Mbps on 5 GHz and 400 Mbps on 2.4 GHz) and MU-MIMO for efficient data transfer. It features a powerful high-gain antenna for extended signal coverage and supports WPA3 security for enhanced network protection. With its plug-and-play functionality on Windows operating systems, setting up your wireless connection is straightforward.



Image: The MERCUSYS MA30H USB WiFi Adapter, a compact black device with an adjustable antenna, designed for enhanced wireless connectivity.

## SETUP GUIDE

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Follow these steps to set up your MERCUSYS MA30H USB WiFi Adapter:

1. **Unpack the Adapter:** Carefully remove the MA30H adapter from its packaging.
2. **Connect to a USB Port:** Insert the MA30H adapter into an available USB port on your computer. For optimal performance, use a USB 3.0 port if available.



Image: Side view of the MERCUSYS MA30H USB WiFi Adapter, showing its USB connector and the base of the antenna.

### 3. **Driver Installation (Plug and Play):**

For Windows 10 and Windows 11 operating systems, the MA30H features a built-in inbox driver. This means the adapter should be recognized automatically by your system upon connection, and the necessary drivers will be installed without requiring a CD or manual download. A notification may appear indicating successful driver installation.

# Compatible with Windows Operating System

MA30H fully supports for the latest Windows 11.

**\*Support:**  
Windows 11  
Windows 10



Image: A graphic displaying the Windows Compatible logo, indicating support for Windows 10 and Windows 11 operating systems. If the driver does not install automatically or if you are using an older Windows version (e.g., Windows 7/8.1), you may need to download the latest driver from the official MERCUSYS support website. Refer to the support section for more details.

#### 4. Connect to a Wi-Fi Network:

- Once the adapter is installed, click on the Wi-Fi icon in your computer's system tray (usually in the bottom-right corner).
- Select your desired Wi-Fi network from the list of available networks.
- Enter the network security key (password) if prompted, and click "Connect".
- Your computer should now be connected to the internet via the MA30H adapter.

## OPERATING INSTRUCTIONS

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Maximize the performance of your MERCUSYS MA30H adapter with these operational guidelines:

### Dual-Band Wi-Fi

The MA30H supports dual-band Wi-Fi, allowing you to connect to both 2.4 GHz and 5 GHz networks. The 2.4 GHz band offers wider coverage, while the 5 GHz band provides faster speeds and less interference, ideal for streaming and gaming.

# AC1300 Dual Band WiFi



**867 Mbps on 5 GHz**



**400 Mbps on 2.4 GHz**

Image: A visual representation of AC1300 Dual Band WiFi, showing 867 Mbps on 5 GHz and 400 Mbps on 2.4 GHz, with people using computers for various activities.

## MU-MIMO Technology

The MA30H utilizes MU-MIMO (Multi-User, Multiple-Input, Multiple-Output) technology. When paired with a MU-MIMO compatible router, this technology allows the adapter to communicate with multiple devices simultaneously, reducing latency and improving overall network efficiency, especially in busy network environments.

## Boosted Throughput with MU-MIMO

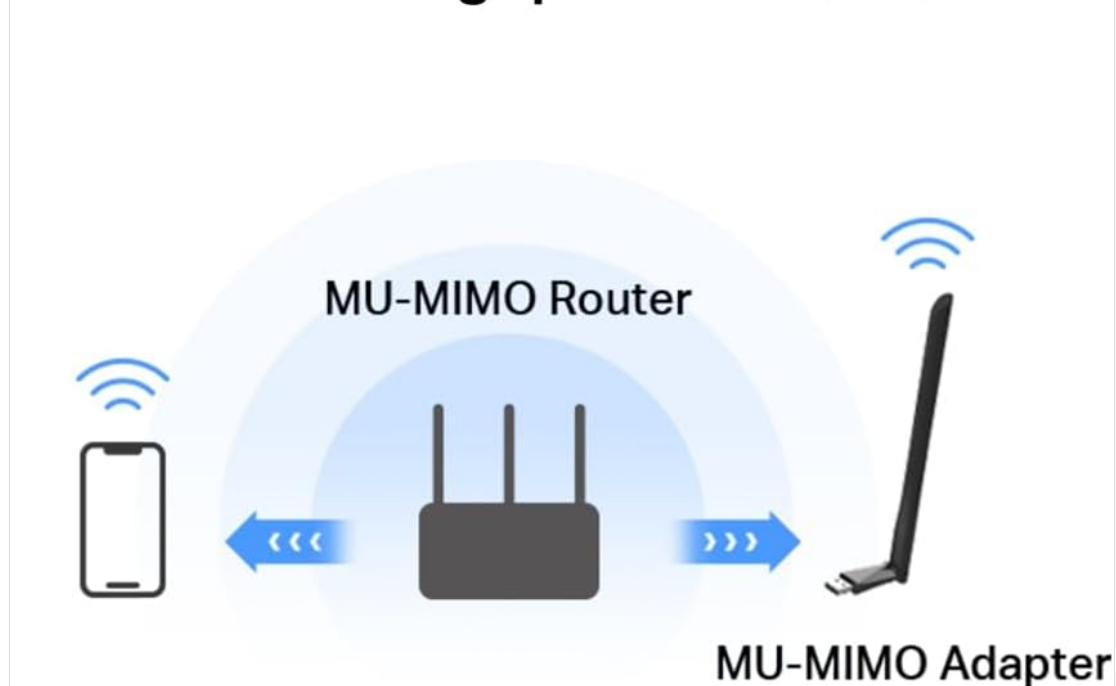


Image: A diagram illustrating MU-MIMO technology, showing a MU-MIMO router communicating simultaneously with a smartphone and the MU-MIMO adapter.

## Adjustable High-Gain Antenna

The adapter features a high-gain antenna that can be adjusted to optimize signal reception. Experiment with different angles (up to 180 degrees horizontally and 90 degrees vertically) to find the best position for your environment, ensuring the strongest possible Wi-Fi signal.



Image: An infographic highlighting key features of the MA30H, including Dual Band AC1300, Plug and Play, Powerful High Gain Antenna, Adjustable Multi-Directional Antenna (with 180 and 90 degree rotation), WPA3 Security, and compatibility with Windows 11.

### WPA3 Security

The MA30H supports WPA3, the latest Wi-Fi security protocol, providing enhanced protection for your personal passwords and network data. Ensure your router also supports WPA3 for full security benefits.

## MAINTENANCE

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- **Driver Updates:** Periodically check the official MERCUSYS website for the latest driver updates. Keeping your drivers current can improve performance and resolve compatibility issues.
- **Cleaning:** Use a soft, dry cloth to gently clean the adapter. Avoid using liquid cleaners or abrasive materials, which could damage the device.
- **Storage:** When not in use, store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Physical Handling:** Avoid bending or applying excessive force to the antenna or USB connector to prevent damage.

TROUBLESHOOTING

If you encounter issues with your MERCUSYS MA30H adapter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Wi-Fi connection or adapter not detected.	<ul style="list-style-type: none"><li>◦ Adapter not properly inserted.</li><li>◦ Driver not installed or corrupted.</li><li>◦ USB port issue.</li></ul>	<ul style="list-style-type: none"><li>◦ Ensure the adapter is fully inserted into the USB port.</li><li>◦ Try a different USB port.</li><li>◦ Reinstall the driver from the MERCUSYS website.</li><li>◦ Restart your computer.</li></ul>
Slow Wi-Fi speed or frequent disconnections.	<ul style="list-style-type: none"><li>◦ Weak signal strength.</li><li>◦ Interference from other devices.</li><li>◦ Outdated drivers.</li><li>◦ Connecting to the wrong band (2.4 GHz vs 5 GHz).</li></ul>	<ul style="list-style-type: none"><li>◦ Adjust the adapter's antenna for better signal reception.</li><li>◦ Move closer to your Wi-Fi router.</li><li>◦ Ensure you are connected to the 5 GHz band if your router supports it and you are close enough.</li><li>◦ Update the adapter drivers.</li><li>◦ Reduce interference by moving other electronic devices away.</li></ul>
Cannot connect to a specific Wi-Fi network.	<ul style="list-style-type: none"><li>◦ Incorrect Wi-Fi password.</li><li>◦ Network not broadcasting (hidden SSID).</li><li>◦ Router issues.</li></ul>	<ul style="list-style-type: none"><li>◦ Double-check the Wi-Fi password.</li><li>◦ Ensure the network is broadcasting its SSID, or manually add the network if it's hidden.</li><li>◦ Restart your Wi-Fi router.</li></ul>

SPECIFICATIONS

Feature	Detail
Brand	MERCUSYS
Model Number	MA30H
Color	Black
Interface	USB
Wireless Standards	IEEE 802.11ac/a/b/g/n
Data Transfer Rate	Up to 1300 Mbps (867 Mbps on 5 GHz, 400 Mbps on 2.4 GHz)
Antenna Type	High-Gain, Adjustable
Security Protocols	WPA3, WPA2, WPA, WEP
Compatible Operating Systems	Windows 11, Windows 10, Windows 8.1, Windows 7, Linux
Dimensions (L x W x H)	12.7 x 8.9 x 2.5 cm (approx.)
Item Weight	19 Grams

WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or visit the official MERCUSYS website. Warranty terms and conditions may vary by region.

For technical support, driver downloads, and frequently asked questions, please visit the official MERCUSYS support page. You can typically find support resources by searching for "MERCUSYS Support" and your product model (MA30H) online.

*Note: No official product videos from the seller were found in the provided data.*