

Aigital US4605A

Aigital US4605A AC1200 Dual Band USB WiFi Adapter User Manual

Model: US4605A | Brand: Aigital

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and troubleshooting of your Aigital US4605A AC1200 Dual Band USB WiFi Adapter. This device is designed to provide high-speed wireless connectivity for your desktop computer or laptop, supporting both 2.4GHz and 5GHz frequency bands.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Aigital US4605A AC1200 Dual Band USB WiFi Adapter
- Driver CD (if included, otherwise drivers are typically downloaded or plug-and-play)
- Quick Installation Guide (this document serves as a comprehensive guide)

3. PRODUCT OVERVIEW

The Aigital US4605A is a compact and powerful USB WiFi adapter featuring dual-band capabilities and high-gain antennas for enhanced signal reception.



Image 3.1: Aigital US4605A AC1200 Dual Band USB WiFi Adapter. The adapter features a USB 3.0 connector, a main body with an indicator light, and two adjustable external antennas for improved signal reception.

Key features include:

- **AC1200 Dual Band:** Supports 867Mbps on the 5GHz band and 300Mbps on the 2.4GHz band for flexible and high-speed connections.
- **Powerful 5dBi Antennas:** Two high-gain antennas provide extended range and stable signal.
- **USB 3.0 Interface:** Offers up to 10 times faster data transfer speeds compared to USB 2.0, while remaining backward compatible.
- **Wide Compatibility:** Supports Windows 11/10/8 and Mac OS 10.9~10.15, OS 11.0+.



Image 3.2: The adapter supports both 5GHz (up to 867Mbps for faster speed) and 2.4GHz (up to 300Mbps for longer range) bands, enhancing overall wireless performance.



1200Mbps

600Mbps

300Mbps

Image 3.3: The adapter supports a maximum combined speed of 1200Mbps, distributed across its dual bands.

USB 3.0

10× Faster than USB 2.0

Compatible with USB interface



	USB 2.0
	USB 3.0

Image 3.4: The USB 3.0 interface provides significantly faster data transfer rates compared to USB 2.0, ensuring optimal performance for the 1200Mbps WiFi adapter.



2 High Gain Antennas Provide Better WiFi Signal

Image 3.5: The two external 5dBi high-gain antennas are designed to provide a stronger and more stable Wi-Fi signal.

4. INSTALLATION AND SETUP

Follow these steps to install your Aigital US4605A USB WiFi Adapter.

4.1. Driver Installation

For optimal performance and full functionality, driver installation is required for most operating systems. For Windows 11/10, the adapter may be plug-and-play, but installing the latest drivers is recommended.

1. **Do NOT plug in the adapter yet.**
2. **Download Drivers:** Visit the official Aigital support website or use the provided driver CD (if applicable) to obtain the latest drivers for your operating system.
3. **Install Drivers:** Run the downloaded driver setup file and follow the on-screen instructions. Restart your computer if prompted.
4. **Connect Adapter:** Once the drivers are installed, plug the Aigital US4605A USB WiFi Adapter into an available USB 3.0 port on your computer. While compatible with USB 2.0, a USB 3.0 port is recommended for maximum speed.
5. **Verify Installation:** After connecting, the adapter's indicator light should illuminate, and your computer

should recognize the device. You can verify this in Device Manager (Windows) or System Information (Mac).

Note: For Windows 11/10, the system might automatically install a generic driver. If you experience connectivity issues or wish to utilize the full features, manually install the specific drivers from the manufacturer's website.

5. OPERATING MODES

The Aigital US4605A USB WiFi Adapter supports two primary operating modes:

5.1. Station Mode (Signal Receiver)

In Station Mode, the adapter allows your desktop computer or laptop to connect to an existing wireless network (Wi-Fi router).

1. Ensure the adapter is plugged into your computer.
2. Open your computer's network settings (e.g., Wi-Fi icon in the taskbar for Windows, Wi-Fi menu in the menu bar for Mac).
3. Select your desired Wi-Fi network from the list of available networks.
4. Enter the network password (if required) and click "Connect".
5. Once connected, you should have internet access.

5.2. AP Mode (Access Point / Hotspot)

In AP Mode, the adapter can create a wireless hotspot, allowing other devices (smartphones, tablets, other computers) to connect to your computer's internet connection (typically if your computer is connected via Ethernet).

1. Ensure your computer has an active internet connection (e.g., via Ethernet cable).
2. Plug in the Aigital US4605A adapter.
3. **For Windows:** Go to Settings > Network & Internet > Mobile hotspot. Turn on "Mobile hotspot" and configure the network name (SSID) and password. Select your Ethernet connection as the source.
4. **For Mac:** Go to System Settings > General > Sharing. Enable "Internet Sharing" and select your Ethernet connection as the source, then choose "Wi-Fi" for sharing with other computers. Configure Wi-Fi options (network name, security, password).
5. Other devices can now search for and connect to the Wi-Fi hotspot created by your adapter.

2 Working Methods: (Supports Win XP/Vista/7/8/8.1/10, Mac OS 10.9~10.13)

Station Mode (Signal Receiver)

Allow desktop computer to connect wireless network



AP Mode (Signal Transmitter)

Create a wireless hotspot for more devices



Image 5.1: Illustration of the two working methods: Station Mode (receiving Wi-Fi signal from a router) and AP Mode (creating a Wi-Fi hotspot from a wired connection).

6. COMPATIBILITY

The Aigial US4605A USB WiFi Adapter is compatible with a range of operating systems:

- Windows 11
- Windows 10
- Windows 8.1
- Windows 8
- Windows 7
- Windows Vista
- Windows XP
- Mac OS 10.9 to 10.15 (Catalina)
- Mac OS 11.0+ (Big Sur and later)

Note: For Windows 11/10, the device may be plug-and-play. For other operating systems, driver installation is typically required. Always use the latest drivers from the manufacturer's website for best performance.

7. SPECIFICATIONS

Feature	Detail
Brand	Aigital
Model Number	US4605A
Wireless Standard	IEEE 802.11 ac/b/g/n
Data Transfer Rate	Up to 1200Mbps (867Mbps on 5GHz, 300Mbps on 2.4GHz)
Frequency Bands	2.4GHz and 5GHz (Dual Band)
Antennas	2x 5dBi High Gain Antennas
Interface	USB 3.0 (Backward compatible with USB 2.0)
Operating Systems	Windows 11/10/8.1/8/7/Vista/XP, Mac OS 10.9~10.15, OS 11.0+
Dimensions (LxWxH)	2.56 x 1.1 x 0.39 inches (approx.)
Weight	0.8 ounces (approx.)
UPC	761780472738



Image 7.1: Physical dimensions of the Aigital US4605A adapter and icons indicating compatibility with Mac and Windows operating systems.

8. TROUBLESHOOTING

If you encounter issues with your Aigital US4605A USB WiFi Adapter, please refer to the following common problems and solutions:

1. No Wi-Fi Networks Detected:

- Ensure the adapter is securely plugged into a USB port.
- Verify that drivers are correctly installed. Check Device Manager (Windows) or System Information (Mac) for any error indicators. Reinstall drivers if necessary.
- Check if your router's Wi-Fi is enabled and broadcasting.
- Try plugging the adapter into a different USB port.

2. Slow Connection Speed:

- Ensure the adapter is plugged into a USB 3.0 port for optimal performance.
- Confirm you are connected to the 5GHz band if your router supports it and you are within close range. The 5GHz band offers higher speeds but shorter range.

- Reduce interference by moving the adapter or computer away from other electronic devices (microwaves, cordless phones).
- Update your router's firmware.
- Ensure your internet service provider (ISP) is delivering the expected speeds.

3. Frequent Disconnections:

- Check signal strength. If the signal is weak, try moving closer to the router or adjusting the adapter's antennas.
- Ensure power management settings are not turning off the USB device to save power. (Windows: Device Manager > USB Root Hub > Properties > Power Management > Uncheck "Allow the computer to turn off this device to save power").
- Update drivers to the latest version.
- Restart your router and computer.

4. Adapter Not Recognized:

- Try a different USB port.
- Restart your computer.
- Ensure drivers are installed correctly. If not, reinstall them.
- Check if the adapter is physically damaged.

9. MAINTENANCE

To ensure the longevity and optimal performance of your Aigital US4605A USB WiFi Adapter, consider the following maintenance tips:

- **Keep Clean:** Gently wipe the adapter with a dry, soft cloth to remove dust. Avoid using liquid cleaners.
- **Protect from Damage:** Avoid dropping the adapter or exposing it to extreme temperatures or humidity.
- **Proper Storage:** When not in use, store the adapter in a safe, dry place.
- **Driver Updates:** Periodically check the Aigital support website for updated drivers to ensure compatibility and performance improvements.

10. WARRANTY AND SUPPORT

Aigital products typically come with a standard manufacturer's warranty. Please refer to the warranty card included with your product or visit the official Aigital website for detailed warranty terms and conditions.

For technical support, driver downloads, or further assistance, please visit the Aigital official support website or contact their customer service. Contact information can usually be found on the product packaging or the manufacturer's website.

***Note:** Keep your purchase receipt as proof of purchase for warranty claims.*

11. VIDEO INFORMATION

No official product videos are available for embedding based on the provided product data.

Related Documents - US4605A

<div><p>Quick Steps to Set Up the 1200Mbps WiFi Extender</p><p>Before Use:</p><p>Read the first two pages of the 1200Mbps WiFi Extender, which explains the basic setup.</p><p>Before you start, make sure you have the following items:</p><ul style="list-style-type: none">1. A 1200Mbps WiFi Extender (Model: A1200)2. A power source (AC adapter or USB power source)3. A 2.4GHz or 5GHz WiFi network4. A computer or smartphone to access the extender's web interface<p>Before you start, make sure you have the following items:</p><ul style="list-style-type: none">1. A 1200Mbps WiFi Extender (Model: A1200)2. A power source (AC adapter or USB power source)3. A 2.4GHz or 5GHz WiFi network4. A computer or smartphone to access the extender's web interface</div>	<p>Quick Steps to Set Up the 1200Mbps WiFi Extender</p> <p>A guide to setting up the Aigital 1200Mbps WiFi Extender in Repeater Mode. This dual-band extender supports 5G and 2.4G bands and provides instructions for phone and computer setup, including network selection, password entry, and optional name/password changes.</p>
<div><p>MESH WiFi System</p><p>AC1200 Dual Band Smart Home WiFi Mesh System</p><p>Quick Setup Guide</p><p>Before Use:</p><p>Read the first two pages of the AC1200 Dual Band Smart Home WiFi Mesh System, which explains the basic setup.</p><p>Before you start, make sure you have the following items:</p><ul style="list-style-type: none">1. A 1200Mbps WiFi Extender (Model: A1200)2. A power source (AC adapter or USB power source)3. A 2.4GHz or 5GHz WiFi network4. A computer or smartphone to access the extender's web interface<p>Before you start, make sure you have the following items:</p><ul style="list-style-type: none">1. A 1200Mbps WiFi Extender (Model: A1200)2. A power source (AC adapter or USB power source)3. A 2.4GHz or 5GHz WiFi network4. A computer or smartphone to access the extender's web interface</div>	<p>Aigital AC1200 Mesh WiFi System Quick Setup Guide</p> <p>Comprehensive guide to setting up your Aigital AC1200 Dual Band Smart Home WiFi Mesh System in Router or AP mode. Learn how to achieve whole-home WiFi coverage and seamless roaming.</p>
<div><p>Aigital 1200Mbps WiFi Extender</p><p>User Manual</p><p>What's the Function of this WiFi Extender?</p><p>Extend your home network and range to larger areas to achieve optimal coverage.</p><p>Quick Setup:</p><p>1. Read the first two pages of the 1200Mbps WiFi Extender, which explains the basic setup.</p><p>Before you start, make sure you have the following items:</p><ul style="list-style-type: none">1. A 1200Mbps WiFi Extender (Model: A1200)2. A power source (AC adapter or USB power source)3. A 2.4GHz or 5GHz WiFi network4. A computer or smartphone to access the extender's web interface<p>Before you start, make sure you have the following items:</p><ul style="list-style-type: none">1. A 1200Mbps WiFi Extender (Model: A1200)2. A power source (AC adapter or USB power source)3. A 2.4GHz or 5GHz WiFi network4. A computer or smartphone to access the extender's web interface</div>	<p>Aigital 1200Mbps WiFi Extender User Manual - Setup and Guide</p> <p>Comprehensive user manual for the Aigital 1200Mbps WiFi Extender. Learn how to set up, connect, and troubleshoot your WiFi range extender for extended coverage.</p>
<div><p>N300 WiFi Range Extender Quick Installation Guide</p><p>Before Use:</p><p>Read the first two pages of the N300 WiFi Range Extender, which explains the basic setup.</p><p>Before you start, make sure you have the following items:</p><ul style="list-style-type: none">1. A 1200Mbps WiFi Extender (Model: A1200)2. A power source (AC adapter or USB power source)3. A 2.4GHz or 5GHz WiFi network4. A computer or smartphone to access the extender's web interface<p>Before you start, make sure you have the following items:</p><ul style="list-style-type: none">1. A 1200Mbps WiFi Extender (Model: A1200)2. A power source (AC adapter or USB power source)3. A 2.4GHz or 5GHz WiFi network4. A computer or smartphone to access the extender's web interface</div>	<p>N300 WiFi Range Extender Quick Installation Guide</p> <p>A quick installation guide for the N300 WiFi Range Extender, covering Repeater Mode and AP Mode setup, troubleshooting, and warranty information.</p>
<div><p>User Manual of Bluetooth Transmitter (09S Model)</p><p>Before Use:</p><p>Read the first two pages of the Bluetooth Transmitter (09S Model), which explains the basic setup.</p><p>Before you start, make sure you have the following items:</p><ul style="list-style-type: none">1. A 1200Mbps WiFi Extender (Model: A1200)2. A power source (AC adapter or USB power source)3. A 2.4GHz or 5GHz WiFi network4. A computer or smartphone to access the extender's web interface<p>Before you start, make sure you have the following items:</p><ul style="list-style-type: none">1. A 1200Mbps WiFi Extender (Model: A1200)2. A power source (AC adapter or USB power source)3. A 2.4GHz or 5GHz WiFi network4. A computer or smartphone to access the extender's web interface</div>	<p>Aigital 09S Bluetooth Transmitter User Manual and Guide</p> <p>Learn how to connect your non-Bluetooth devices like TVs and computers to Bluetooth headphones or speakers using the Aigital 09S Bluetooth Transmitter. This guide covers pairing steps, notes, and troubleshooting.</p>
<div><p>AIGITAL USER MANUAL</p><p>Before Use:</p><p>Read the first two pages of the Aigital Mini Router, which explains the basic setup.</p><p>Before you start, make sure you have the following items:</p><ul style="list-style-type: none">1. A 1200Mbps WiFi Extender (Model: A1200)2. A power source (AC adapter or USB power source)3. A 2.4GHz or 5GHz WiFi network4. A computer or smartphone to access the extender's web interface<p>Before you start, make sure you have the following items:</p><ul style="list-style-type: none">1. A 1200Mbps WiFi Extender (Model: A1200)2. A power source (AC adapter or USB power source)3. A 2.4GHz or 5GHz WiFi network4. A computer or smartphone to access the extender's web interface</div>	<p>AIGITAL Mini Router User Manual: Setup & Troubleshooting Guide</p> <p>Comprehensive user manual for AIGITAL Mini Router, detailing setup instructions for Repeater, AP, and Router modes, including troubleshooting tips and frequently asked questions for optimal wireless network configuration.</p>