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› TP-Link Archer T3U Plus USB WiFi Adapter User Manual

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Model: Archer T3U Plus | Brand: TP-Link

1. INTRODUCTION AND OVERVIEW

The TP-Link Archer T3U Plus is an AC1300 dual-band USB WiFi adapter designed for desktop PCs. It receives WiFi signals on both 2.4 GHz (up to 400 Mbps) and 5 GHz (up to 867 Mbps) bands, offering flexible connectivity for various online activities from browsing to HD streaming and gaming. Featuring MU-MIMO technology, it improves network throughput and efficiency when paired with a compatible router. The adapter includes a high-gain, adjustable multi-directional antenna to enhance signal reception and transmission, ensuring faster and more stable wireless connections. It supports USB 3.0 for superior transfer speeds and is compatible with Windows 11/10/8.1/8/7/XP and macOS 10.9-10.15, offering an easy setup process with a user-friendly interface.



Figure 1.1: The TP-Link Archer T3U Plus USB WiFi Adapter, featuring its compact design and high-gain antenna.

2. WHAT'S IN THE BOX

Upon opening the product packaging, you should find the following items:

- 1 x AC1300 High Gain Wireless Dual Band USB Adapter
- 1 x Quick Installation Guide
- 1 x Resource CD

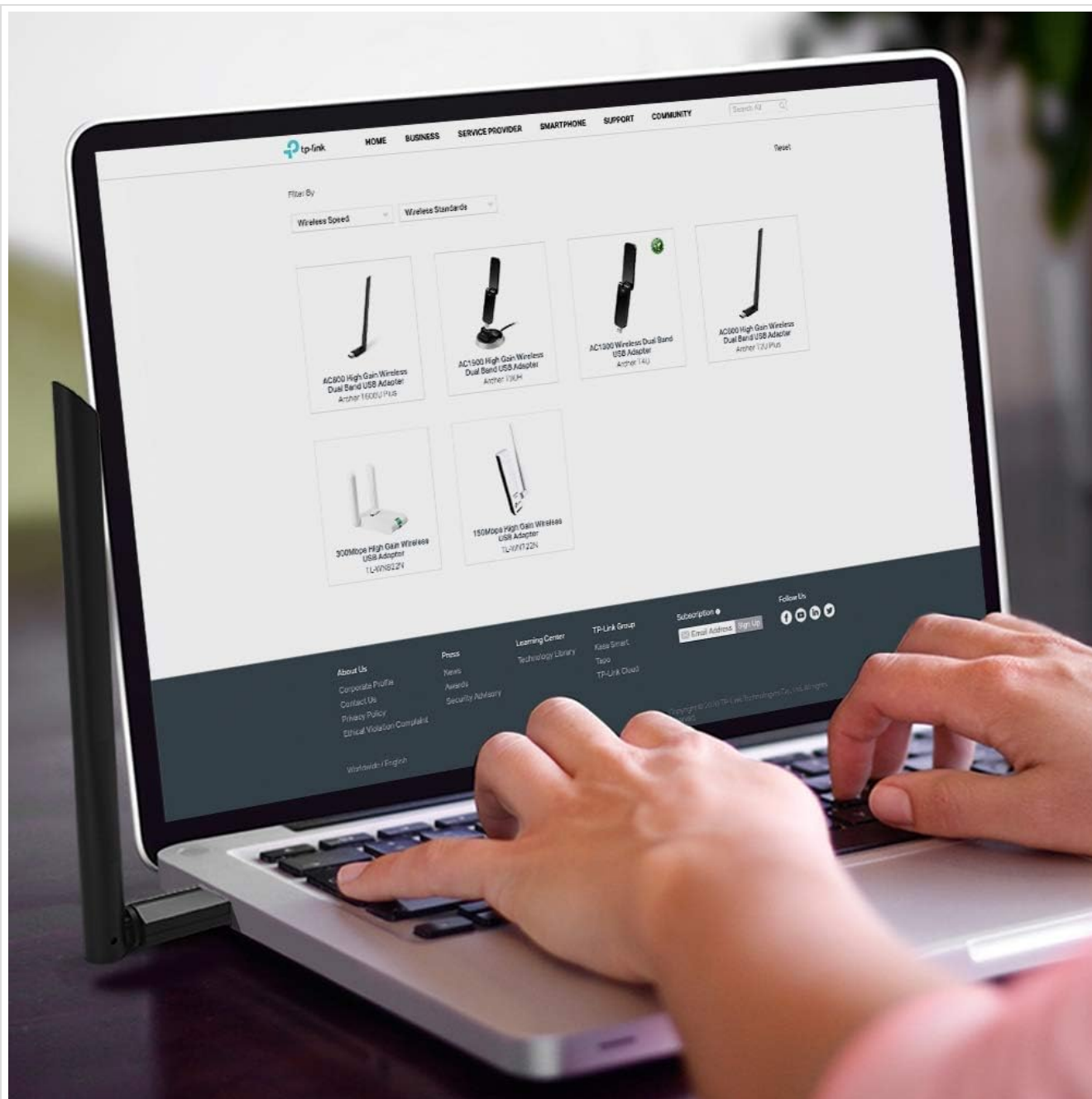


Figure 2.1: The product box for the Archer T3U Plus, indicating the included adapter and software CD.

3. SETUP

Setting up your TP-Link Archer T3U Plus adapter is a straightforward process designed for user convenience. Follow these steps for a successful installation:

1. **Insert the adapter:** Plug the Archer T3U Plus adapter directly into an available USB port on your desktop PC. Ensure it is securely seated.
2. **Install the software:** Use the included Resource CD to install the necessary drivers and utility software. If your PC does not have a CD drive, you can download the latest drivers from the official TP-Link support page for the Archer T3U Plus model.
3. **Connect to a network:** Once the drivers are installed, scan for available wireless networks on your computer. Select your desired network and enter the password to establish a connection.

Boosted Throughput with MU-MIMO

MU-MIMO technology helps improve the throughput and efficiency of the entire network.



Figure 3.1: Visual guide for the easy setup process, showing adapter insertion and software installation steps.

4. OPERATING THE ADAPTER

The Archer T3U Plus is designed to provide a robust and high-speed wireless connection. Here's how its key features contribute to your network experience:

Dual-Band WiFi Connectivity

The adapter supports dual-band WiFi, allowing you to connect to either the 2.4 GHz or 5 GHz frequency band. The 2.4 GHz band is suitable for general internet use like browsing and email, offering wider coverage. The 5 GHz band provides faster speeds, ideal for gaming, HD video streaming, and large file transfers, with less interference.

Lightning Fast Dual-Band WiFi

Experience faster speeds with AC1300 technology.

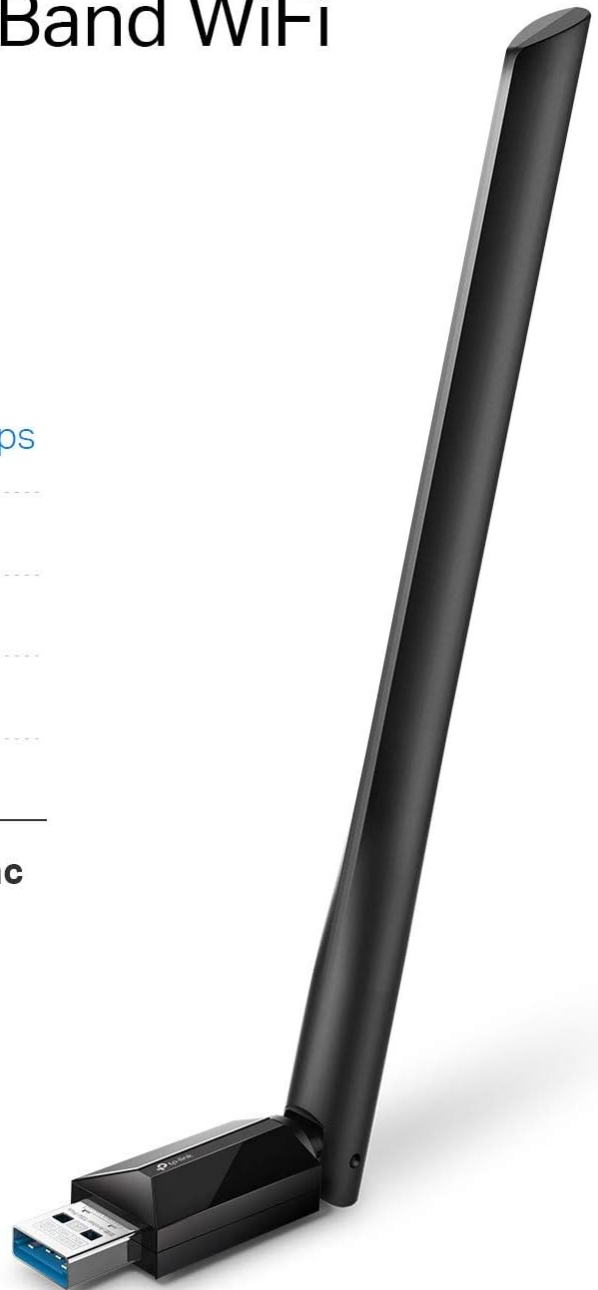
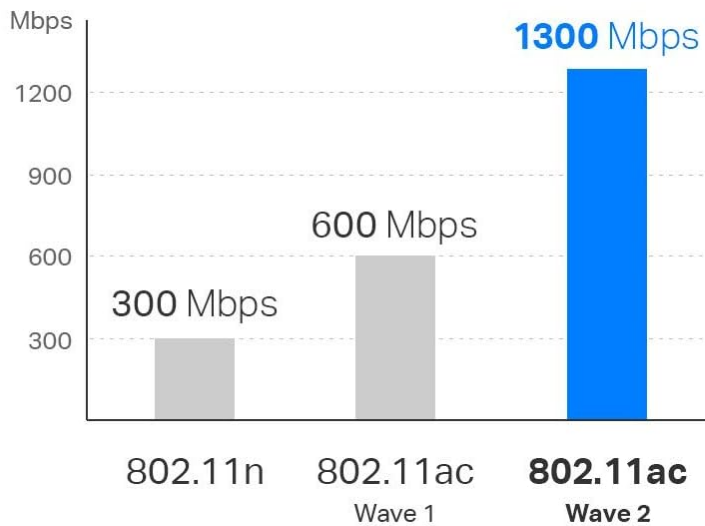


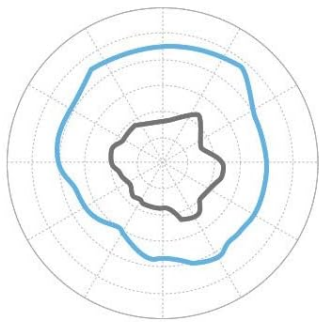
Figure 4.1: Illustration of AC1300 dual-band WiFi speeds, highlighting 802.11ac Wave 2 performance.

MU-MIMO Technology

With MU-MIMO (Multi-User, Multiple-Input, Multiple-Output) technology, the Archer T3U Plus can communicate with multiple devices simultaneously when used with a compatible MU-MIMO router. This significantly improves the overall network efficiency and throughput, reducing buffering and lag.

Wider and More Stable Range

The advanced serial high-gain antenna structure creates a better overall connection throughout your home.



Antennas Performance Comparison

- Archer T3U Plus with Advanced Antennas System
- Regular Adapter with Traditional Antennas



Figure 4.2: Diagram illustrating how MU-MIMO technology improves data flow compared to traditional adapters.

High-Gain Adjustable Antenna

The adapter features a 5 dBi high-gain antenna that can be rotated and adjusted to optimize signal reception. This allows for a broader and more stable wireless range, reaching your router from farther distances and through obstacles more effectively.

USB 3.0 for Superior Transfer Speeds

USB 3.0 makes Archer T3U Plus ideal for faster and smoother HD streaming, online gaming, and large file downloads.



USB 3.0

10x faster than USB 2.0



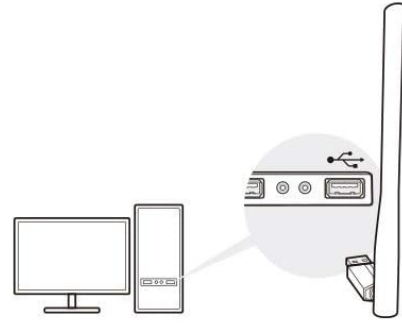
Figure 4.3: Visual representation of the Archer T3U Plus's antenna performance compared to regular adapters.

USB 3.0 for Superior Transfer Speeds

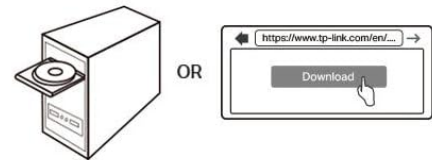
Equipped with a USB 3.0 interface, the Archer T3U Plus offers data transfer speeds up to 10 times faster than USB 2.0. This ensures that the high wireless speeds are not bottlenecked by the USB connection, providing a seamless experience for demanding applications.

Easy Setup

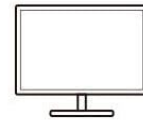
1. Insert the adapter into a USB port on your computer directly



2. Install the software with the included CD or download from the Archer T3U Plus support page on TP-Link's website



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



Operating System



Figure 4.4: Close-up of the USB 3.0 connector, emphasizing its faster data transfer capabilities.

Operating System Compatibility

The adapter is fully compatible with a wide range of operating systems, including Windows 11, Windows 10, Windows 8.1, Windows 8, Windows 7, Windows XP, and macOS versions 10.9 through 10.15.

5. MAINTENANCE

To ensure the longevity and optimal performance of your TP-Link Archer T3U Plus USB WiFi Adapter, consider the following maintenance tips:

- **Keep it clean:** Regularly wipe the adapter with a soft, dry cloth to prevent dust buildup, especially around the USB connector and antenna hinge.
- **Handle with care:** Avoid applying excessive force when plugging or unplugging the adapter. The antenna is adjustable, but rough handling can damage the internal components or the USB port on your computer.
- **Protect from physical damage:** Due to its external design, the adapter can be vulnerable to accidental bumps

or knocks. Consider plugging it into a less exposed USB port or using a USB extension cable if necessary to position it safely.

- **Store properly:** When not in use for extended periods, store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues with your Archer T3U Plus adapter, try the following troubleshooting steps:

- **No internet connection:** Ensure the adapter is firmly plugged into a USB port. Verify that your wireless network is active and that you have entered the correct Wi-Fi password.
- **Slow speeds or intermittent connection:** Try adjusting the antenna's direction to optimize signal reception. Ensure your computer's operating system and the adapter's drivers are up to date. Interference from other electronic devices or physical obstacles can also affect performance.
- **Adapter not recognized:** Try plugging the adapter into a different USB port. Reinstall the drivers from the provided CD or the TP-Link website. Ensure your operating system is compatible with the adapter.
- **Driver installation issues:** If you are unable to install drivers from the CD, download them directly from the TP-Link support website. Make sure to select the correct model (Archer T3U Plus) and your operating system version.

7. SPECIFICATIONS

| Feature | Specification |
|--------------------------------|--|
| Brand | TP-Link |
| Model Number | Archer T3U Plus |
| Product Dimensions | 2.28 x 0.71 x 6.83 inches |
| Item Weight | 0.6 ounces |
| Hardware Interface | USB 3.0 |
| Data Transfer Rate | 867 Megabits Per Second (5 GHz), 400 Megabits Per Second (2.4 GHz) |
| Wireless Standards | IEEE 802.11b/g/n 2.4 GHz, IEEE 802.11a/n/ac 5 GHz |
| Antenna Type | High-Gain Adjustable Antenna |
| Operating System Compatibility | Windows 11/10/8.1/8/7/XP, Mac OS 10.9-10.15 |
| UPC | 840030701047 |

8. WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official TP-Link website or the documentation included with your product.

Legal Disclaimer

Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage, and number of connected devices are not guaranteed and will vary as a result of network conditions, AP limitations, and environmental factors, including building materials, obstacles,

volume and density of traffic, and AP location. To ensure compatibility, you may need to update the adapter's drivers after an OS update. You can find our latest drivers in the download center at tp-link.com/en/download-center. Use of MU-MIMO requires clients to also support MU-MIMO.

User Manual (PDF)

A comprehensive user manual in PDF format is available for download:

[Download User Manual \(PDF\)](#)