TP-Link Archer T4U

TP-Link AC1300 USB Wi-Fi Adapter User Manual

Model: Archer T4U

1. Product Overview

The TP-Link Archer T4U is a high-performance AC1300 Dual Band USB Wi-Fi Adapter designed to provide ultra-fast wireless speeds for your desktop or laptop. Featuring MU-MIMO and Beamforming technologies, it ensures an efficient and stable wireless connection for demanding applications like HD video streaming and online gaming. Its foldable high-gain antenna enhances Wi-Fi reception and range.



Figure 1: TP-Link Archer T4U USB Wi-Fi Adapter. This image shows the compact black adapter with its foldable antenna in an upright position, ready for use.

2. What's in the Box

Verify that all items are present in your product package:

- Wireless Adapter Archer T4U
- Resource CD (for drivers and utilities)
- Quick Installation Guide
- USB Extension Cable

3. Setup and Installation

Follow these steps to install your TP-Link Archer T4U adapter:

1. **Driver Installation:**

   Insert the provided Resource CD into your computer's CD-ROM drive and follow the on-screen instructions to install the necessary drivers. If your computer does not have a CD-ROM drive, or for the latest drivers, visit the official TP-Link support website and download the drivers for the Archer T4U model. Ensure you select the correct operating system version.

   The adapter supports Windows (10/8.1/8/7/Vista/XP) and Mac OS (10.9~10.13).

2. **Connect the Adapter:**

   Once the drivers are installed, plug the Archer T4U USB Wi-Fi Adapter into an available USB port on your computer. For optimal performance, it is recommended to use a SuperSpeed USB 3.0 port, which offers up to 10 times faster transfer speeds than USB 2.0. You may use the included USB Extension Cable if direct connection is inconvenient or if the adapter blocks adjacent ports.

3. **Connect to Wi-Fi Network:**

   After connecting the adapter, your computer should detect it. Navigate to your computer's network settings (e.g., Wi-Fi icon in the system tray for Windows, Wi-Fi menu bar item for Mac OS), select your desired Wi-Fi network, and enter the network password if prompted.

4. Operating the Adapter

The Archer T4U operates on dual bands, 2.4GHz and 5GHz, providing flexibility and performance:

- **2.4GHz Band:** Offers wider coverage and better penetration through walls, suitable for general internet use like browsing and email. Speeds up to 400Mbps.
- **5GHz Band:** Provides higher speeds and less interference, ideal for bandwidth-intensive activities such as HD video streaming and online gaming. Speeds up to 867Mbps.
- **MU-MIMO and Beamforming:** This adapter supports MU-MIMO (Multi-User, Multiple-Input, Multiple-Output) and Beamforming technologies. MU-MIMO allows the adapter to communicate with multiple devices simultaneously, improving network efficiency. Beamforming focuses the Wi-Fi signal directly towards the adapter, enhancing connection stability and range.
- **Foldable High-Gain Antenna:** Adjust the antenna's position to optimize signal reception. Experiment with different angles to find the best connection quality for your environment.

5. Maintenance

To ensure the longevity and optimal performance of your Archer T4U adapter:

- **Keep Drivers Updated:** Regularly check the TP-Link website for the latest driver updates. Updated drivers can improve performance, stability, and compatibility.
- **Physical Care:** Keep the adapter clean and free from dust. Avoid exposing it to extreme temperatures or humidity.
- **Proper Handling:** When disconnecting, always pull from the USB connector, not the antenna or body of the adapter, to prevent damage.

6. Troubleshooting

If you encounter issues with your Archer T4U adapter, consider the following:

- **No Wi-Fi Connection:**
  - Ensure the adapter is securely plugged into a USB port.
  - Verify that the drivers are correctly installed. Reinstall them if necessary.
  - Check if your computer's Wi-Fi is enabled.
  - Restart your computer and your Wi-Fi router.

- **Slow Speeds or Dropped Connections:**
  - **Environmental Factors:** Wireless transmission rates and coverage can be affected by building materials, physical objects, and obstacles. Try moving closer to your router or adjusting the adapter's antenna.
  - **Network Conditions:** Local interference, traffic volume, and network complexity can impact performance. Try changing your Wi-Fi channel on your router.
  - **Client Limitations:** Ensure your computer's hardware and software are not limiting performance.
  - **USB Port:** Ensure you are using a USB 3.0 port if available.
  - **Antenna Position:** Adjust the foldable antenna to optimize signal strength.
- **Adapter Not Recognized:**
  - Try plugging the adapter into a different USB port.
  - Ensure your operating system is supported (Windows 10/8.1/8/7/Vista/XP, Mac OS 10.9~10.13).
  - Check Device Manager (Windows) or System Information (Mac) to see if the adapter is listed.

7. Specifications

Feature	Detail
Wireless Type	802.11ac
Brand	TP-Link
Series	Archer T4U
Item Model Number	Archer T4U
Operating System Compatibility	Windows (10/8.1/8/7/Vista/XP), Mac OS (10.9~10.13)
Item Weight	3.53 ounces (100 Grams)
Product Dimensions (LxWxH)	3.64 x 1.2 x 0.55 inches
Color	Black
Hardware Interface	USB 3.0
Data Transfer Rate	1300 Megabits Per Second
UPC	845973097318

8. Warranty and Support

TP-Link provides comprehensive support for the Archer T4U adapter:

- **Warranty:** This product comes with a 2-year warranty.
- **Technical Support:** Enjoy industry-leading FREE lifetime 24/7 technical support. For assistance, visit the official TP-Link support website or contact their customer service.
- **Reliability:** TP-Link has been recognized as a leading provider of WLAN products globally.

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For more information, visit www.tp-link.com