

TP-Link TL-WR3002X

TP-Link TL-WR3002X AX3000 Wi-Fi 6 Travel Router

USER MANUAL

Product Overview

The TP-Link TL-WR3002X is a compact and powerful Dual-Band Wi-Fi 6 AX3000 Travel Router designed to provide a personal, secure Wi-Fi network wherever you go. It leverages Wi-Fi 6 technology for increased capacity and faster wireless speeds, supporting up to 2402 Mbps on the 5 GHz band and 574 Mbps on the 2.4 GHz band. This router offers robust encryption and authentication with OpenVPN and WireGuard support, ensuring secure browsing on public Wi-Fi networks. Its versatile network modes allow it to function as a router, hotspot, or access point/range extender, adapting to various scenarios from hotel rooms to cafes.

Equipped with an MTK dual-core 1.3 GHz CPU, the TL-WR3002X features compact dimensions (4.1 x 3.5 x 1.1 inches) and weighs approximately 5.3 ounces, making it highly portable. It includes a 2.5 Gbps WAN/LAN port and a 1 Gbps LAN port for high-speed wired connections, alongside a USB 3.0 port for network storage and phone tethering. Advanced features such as beamforming, MU-MIMO, OFDMA, Target Wake Time (TWT), DFS, HT160, and QoS are supported to optimize network performance. The device also incorporates comprehensive security features including DoS protection, SPI firewall, IP/MAC address filtering, and parental controls via the Tether App.



Image: The TP-Link TL-WR3002X AX3000 Wi-Fi 6 Travel Router shown with its retail packaging.

Features

- **AX3000 Dual-Band Wi-Fi 6:** Offers wireless speeds up to 2402 Mbps on 5 GHz and 574 Mbps on 2.4 GHz, supporting up to 80 devices for seamless streaming and gaming.
- **Versatile Connectivity Modes:** Supports Router Mode (Ethernet or USB tethering), Hotspot Mode (secure public Wi-Fi access), and AP/RE Mode (Wi-Fi coverage expansion or adding Wi-Fi to wired networks).
- **Multi-Gigabit Ports:** Includes one 2.5 Gbps WAN/LAN port and one 1 Gbps LAN port for high-speed wired and wireless data transmissions.
- **Enhanced Cybersecurity:** Designed with advanced security features, including OpenVPN and WireGuard support for VPN client and server, ensuring private and secure browsing.
- **One-Step Captive Portal Authentication:** Easily create a secure private network from public Wi-Fi using the Tether App, eliminating repeated logins.
- **Flexible Power Options:** Can be powered via its USB-C port using the included adapter or any 5V PD power source like a power bank.
- **USB 3.0 Port & MicroSD Slot:** Enables file sharing and USB internet tethering, creating a mobile home media hub.

Wi-Fi 6

Dual-Band **Wi-Fi 6 AX3000**

Blazing Fast Wi-Fi 6: 3000 Mbps

5 GHz Band

2402 Mbps

2.4 GHz Band

574 Mbps

Wi-Fi Operating Modes for Any Scenario

Router, USB Tethering, 3G/4G/5G USB Modem, Hotspot, Access Point, Range Extender, and Client Modes

VPN

Client or Server
OpenVPN & WireGuard



2.5 Gbps
WAN/LAN

1.0 Gbps
LAN



Connect up to
80 Devices



Power it with a
power bank

*5V PD Power bank sold separately.



microSD slot for
sharing files



TP-Link
HomeShield

Image: Visual representation of the router's Wi-Fi 6 capabilities, including 3000 Mbps blazing fast speeds across 5 GHz and 2.4 GHz bands, and its 2.5 Gbps WAN/LAN and 1.0 Gbps LAN ports.

Portable and Durable



Image: A hand holding the compact TL-WR3002X router, highlighting its dimensions (4.1" x 3.5" x 1.1") and port labels for USB Type-C Power, USB 3.0, 1 Gbps LAN, and 2.5 Gbps WAN/LAN.

Package Contents

The following items are included in the TL-WR3002X package:

- TP-Link TL-WR3002X Travel Router
- Power Adapter
- RJ45 Ethernet Cable
- USB Cable
- Quick Installation Guide

Setup

To set up your TP-Link TL-WR3002X Travel Router, follow the instructions in the included Quick Installation Guide. The

initial setup can be completed efficiently using the TP-Link Tether App, which provides a guided process for connecting your router to the modem and configuring your network settings. Ensure the router is powered via the included adapter or a compatible 5V PD power source.

For public Wi-Fi environments, the router allows you to create a secure private network for all your devices with a single login via the Tether App, eliminating the need for repeated authentications on each device.



Create Your Own Private Network on Public Wi-Fi

Image: A user working on a laptop with the TL-WR3002X router, illustrating the ability to create a private network even when connected to public Wi-Fi.

Operating Modes

The TL-WR3002X offers multiple operating modes to suit various networking needs:

- **Router Mode:** Utilizes an Ethernet connection or USB (phone) tethering for internet access. Ideal for use in offices or during travel where a wired connection is available.
- **Hotspot Mode:** Converts public Wi-Fi into a private, secure network. This mode is ideal for accessing public Wi-Fi securely in locations such as airports, cafes, or hotels.
- **AP/RE Mode (Access Point/Range Extender Mode):** Functions as an Access Point to add Wi-Fi capabilities to wired networks or as a Range Extender to expand existing Wi-Fi coverage. This is useful for eliminating Wi-Fi dead zones in

homes or offices.

VPN Clients and Servers Supported

Supports OpenVPN and WireGuard to keep your network private and secure from anywhere

Supported
VPN Services

 NordVPN®

 Surfshark®

 OPENVPN™

 WIREGUARD®
FAST, MODERN, SECURE VPN TUNNEL

L2TP

PPTP

Image: A visual guide to the router's three main operating modes: Router Mode (ideal for office/travel), Hotspot Mode (ideal for airport/cafe/hotel), and AP/RE Mode (ideal for home/office).

VPN Configuration

The TL-WR3002X supports various VPN protocols, including OpenVPN and WireGuard, for both VPN client and server functionalities. This allows you to establish a secure and private connection over public networks, protecting your data from potential threats. PPTP and L2TP protocols are also supported for broader compatibility.

Wi-Fi Where You Need It



Router Mode

Uses Ethernet or USB tethering for internet access.

Ideal for:



Office



Travel

Hotspot Mode

Converts public Wi-Fi into a private, secure network.

Ideal for:



Airport



Cafe



Hotel

AP/RE Mode

AP mode adds Wi-Fi to wired networks; RE mode expands Wi-Fi coverage.

Ideal for:



Home



Office

Image: A user interacting with a laptop, with the TL-WR3002X router visible, emphasizing its support for various VPN services and protocols.

Network Storage

The router features a USB 3.0 port and a microSD slot, enabling you to connect external storage devices for file sharing across your network. This functionality allows you to create a mobile home media hub, providing convenient access to your media files from any connected device.



Image: A setup showing a laptop connected to the TL-WR3002X router, which is in turn connected to an external hard drive, illustrating the network storage capability.

Tether App

The TP-Link Tether App provides an intuitive interface for managing your TL-WR3002X router. Through the app, you can easily set up the router, monitor connected devices, configure parental controls (including URL content filtering and website blocking), and manage guest networks. The app simplifies network management, making it accessible even for users without extensive technical knowledge.

THANK YOU FOR VOTING

TP-Link #1

Our commitment to our customers is to provide the best products, best service and the best value.



Winner: Overall Routers, Standalone Routers, and Mesh Systems



Winner: Work from Home Routers and Work from Home Mesh Systems

Image: A smartphone displaying the TP-Link Tether App interface, showing the TL-WR3002X router's status and various operational settings.

Maintenance

To ensure optimal performance and longevity of your TL-WR3002X router, consider the following maintenance practices:

- **Firmware Updates:** The router supports automatic firmware updates via cloud services. Ensure this feature is enabled to receive the latest security patches and performance enhancements.
- **Placement:** Place the router in a well-ventilated area to prevent overheating. Avoid placing it near obstructions or other electronic devices that may cause interference.
- **Cleaning:** Periodically clean the router's exterior with a soft, dry cloth. Ensure vents are free from dust accumulation.
- **Rebooting:** Occasionally rebooting the router can help resolve minor connectivity issues and improve performance.

Troubleshooting

If you encounter issues with your TL-WR3002X router, consider these common troubleshooting steps:

- **No Internet Connection:** Verify that the Ethernet cable is securely connected to the WAN/LAN port and that your internet service is active. If using USB tethering, ensure your phone's mobile data is enabled and tethering is active.
- **Weak Wi-Fi Signal:** Adjust the router's position to minimize obstructions. If in AP/RE mode, ensure the router is within range of the main Wi-Fi signal.
- **Cannot Access Router Settings:** Ensure your device is connected to the router's Wi-Fi network or via an Ethernet cable. Try accessing the router's web interface or the Tether App.
- **VPN Connection Issues:** Double-check your VPN configuration settings. Ensure your VPN service is active and your credentials are correct.
- **Factory Reset:** As a last resort, you can perform a factory reset by pressing and holding the reset button (usually located in a small pinhole) for several seconds until the LED indicators change. *Note: This will erase all custom settings.*

For more detailed troubleshooting, refer to the official [User Guide \(PDF\)](#) or [Installation Manual \(PDF\)](#) provided by TP-Link.

Specifications

Attribute	Value
Product Dimensions	3.6 x 1.18 x 4.13 inches
Item Weight	5.3 ounces
Item Model Number	TL-WR3002X
Brand	TP-Link
Model Name	AX3000 Wi-Fi 6 Portable Router
Frequency Band Class	Dual-Band
Wireless Communication Standard	802.11ac, 802.11ax, 802.11b, 802.11g, 802.11n
Compatible Devices	Personal Computer, Security Camera, Smart Television, Smartphone, Tablet
Frequency	5 GHz
Recommended Uses For Product	Business, Home
Connectivity Technology	Ethernet, USB, Wi-Fi
Operating Temperature	32°F to 104°F (0°C to 40°C)
Operating Humidity	10% to 90% non-condensing

Warranty and Support

The TP-Link TL-WR3002X Travel Router comes with a 2-year warranty upon registration. TP-Link is committed to cybersecurity and adheres to the U.S. Cybersecurity and Infrastructure Security Agency's (CISA) Secure-by-Design pledge, ensuring advanced security as a core requirement for their devices.

For technical assistance, product registration, or to access additional resources, please visit the official TP-Link support website or refer to the comprehensive User Guide and Installation Manual available in PDF format.

User Guide (PDF): [Download Here](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How can I use the TP-Link TL-WR3002X travel router over a long distance?

To use the TP-Link TL-WR3002X over a longer distance or to improve its range, you can utilize its built-in AP/RE (Access Point/Range Extender) Mode. This mode is specifically designed to expand existing Wi-Fi coverage...

[Read full answer](#)