

TP-Link Archer C2300

TP-Link Archer C2300 AC2300 Wireless Dual Band Gigabit Cable Router User Manual

Model: Archer C2300

Brand: TP-Link

INTRODUCTION

This user manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your TP-Link Archer C2300 AC2300 Wireless Dual Band Gigabit Cable Router. Please read this manual carefully before using the device to ensure proper and safe operation.

SAFETY INFORMATION

- Use only the power adapter provided with the router.
- Do not expose the device to water or excessive humidity.
- Keep the device away from heat sources and direct sunlight.
- Ensure proper ventilation around the router to prevent overheating.
- Do not attempt to disassemble or repair the device yourself.

PACKAGE CONTENTS

Verify that all items are present in your package:

- TP-Link Archer C2300 Wireless Router
- Power Adapter
- Ethernet Cable
- Quick Installation Guide

PHYSICAL OVERVIEW

Familiarize yourself with the ports, buttons, and LED indicators on your Archer C2300 router.



Image: Front view of the TP-Link Archer C2300 router, showing its sleek black design and three external antennas.

Front Panel LEDs

- **Power:** Solid green indicates power on.
- **Internet:** Solid green indicates a stable internet connection. Blinking indicates data transfer.
- **Wi-Fi (2.4GHz/5GHz):** Solid green indicates Wi-Fi is enabled. Blinking indicates data transfer.
- **LAN:** Solid green indicates a device is connected to a LAN port. Blinking indicates data transfer.
- **USB:** Solid green indicates a USB device is connected. Blinking indicates data transfer.

Rear Panel Ports and Buttons

- **Power Port:** Connect the provided power adapter.
- **Power On/Off Button:** Press to turn the router on or off.

- **WAN Port (Blue):** Connect to your modem's Ethernet port.
- **LAN Ports (Yellow):** Connect wired devices such as computers or gaming consoles.
- **USB 3.0 Port:** Connect USB storage devices for file sharing or media server functions.
- **WPS/Wi-Fi Button:** Press for 1 second to enable WPS. Press and hold for more than 2 seconds to enable/disable Wi-Fi.
- **Reset Button:** Press and hold for 8 seconds to restore factory default settings.

SETUP

Step 1: Hardware Connection

1. **Power Off:** Disconnect the power from your modem and router (if any).
2. **Connect Modem:** Connect the WAN port (blue) of the Archer C2300 to your modem's Ethernet port using the provided Ethernet cable.
3. **Connect Power:** Connect the power adapter to the router and plug it into a power outlet.
4. **Power On:** Power on your modem first, then wait for about 2 minutes for it to start up. Then, power on the Archer C2300 router.
5. **Verify LEDs:** Wait for the Power, Internet, and Wi-Fi LEDs to become solid green.



Image: The TP-Link Archer C2300 router positioned on a desk, illustrating a typical home setup environment.

Step 2: Configure the Router

1. **Connect to Router:** Connect your computer to the router via an Ethernet cable (to any yellow LAN port) or wirelessly using the Wi-Fi SSID and password printed on the label at the bottom of the router.

2. **Access Web Interface:** Open a web browser and type `http://tplinkwifi.net` or `http://192.168.0.1` in the address bar.
3. **Login:** Create a new password for future logins.
4. **Quick Setup:** Follow the on-screen instructions of the Quick Setup Wizard to configure your internet connection and wireless settings.

OPERATING THE ROUTER

Wireless Network Configuration

You can customize your Wi-Fi network name (SSID) and password through the web management interface. Navigate to **Wireless > Wireless Settings** to modify these options for both 2.4GHz and 5GHz bands.

USB Sharing

The Archer C2300 features a USB 3.0 port for sharing files, media, or even a printer across your network. Connect a USB storage device, then go to **USB Sharing** in the web interface to configure access.

Guest Network

Create a separate Wi-Fi network for guests to ensure the security of your main network. Access this feature under **Guest Network** in the web interface.

MAINTENANCE

Firmware Upgrade

Regularly check for and install firmware updates to ensure optimal performance and security. Download the latest firmware from the official TP-Link website for your specific model. Navigate to **System Tools > Firmware Upgrade** in the web interface.

Cleaning the Router

Use a soft, dry cloth to clean the exterior of the router. Do not use liquid cleaners or aerosols.

TROUBLESHOOTING

No Internet Access

- Check if the Internet LED on the router is solid green. If not, ensure your modem is working correctly and the Ethernet cable is securely connected to the router's WAN port.
- Restart your modem and router.
- Verify your internet connection settings in the router's web interface.

Poor Wi-Fi Signal or Speed

- Relocate the router to a central location, away from obstructions and interference sources (e.g., cordless phones, microwaves).

- Adjust the antenna direction.
- Try changing the wireless channel in the router's settings to avoid interference from neighboring networks.
- Ensure your devices are connected to the appropriate band (2.4GHz for range, 5GHz for speed).

Forgot Login Password

If you forget your router's login password, you will need to perform a factory reset. Press and hold the Reset button on the back of the router for approximately 8 seconds until all LEDs flash briefly.

SPECIFICATIONS

Feature	Detail
Wireless Standard	802.11ac
Wireless Speed	AC2300 (600 Mbps on 2.4GHz + 1625 Mbps on 5GHz)
Antennas	3 External Antennas
Ethernet Ports	1x Gigabit WAN, 4x Gigabit LAN
USB Ports	1x USB 3.0
Dimensions (LxWxH)	8.5 x 6.46 x 1.46 inches
Weight	1.3 pounds
Operating System	TP-Link OS

WARRANTY AND SUPPORT

TP-Link products typically come with a limited warranty. Please refer to the warranty card included in your product packaging or visit the official TP-Link website for detailed warranty information specific to your region. For technical support, firmware updates, and FAQs, please visit the official TP-Link support page www.tp-link.com/support. You can also contact TP-Link customer service directly for assistance with setup, troubleshooting, or product inquiries.

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