TP-Link Archer CR1900

TP-Link Archer CR1900 DOCSIS 3.0 AC1900 Wireless Wi-Fi Cable Modem Router User Manual

Model: Archer CR1900 | Brand: TP-Link

1. PRODUCT OVERVIEW

The TP-Link Archer CR1900 is an all-in-one cable modem and Wi-Fi router designed to provide high-speed internet access and robust wireless connectivity. It supports DOCSIS 3.0 technology with 24x8 channel bonding, enabling download speeds up to 1000 Mbps. The device features AC1900 Wi-Fi speeds, combining 2.4GHz (up to 600 Mbps) and 5GHz (up to 1300 Mbps) bands for seamless streaming and gaming. A 1 GHz dual-core processor ensures smooth Wi-Fi connections even with multiple devices connected. This modem router is certified for major cable internet providers such as XFINITY from Comcast and Spectrum, offering reliable coverage for up to 2,500 square feet.
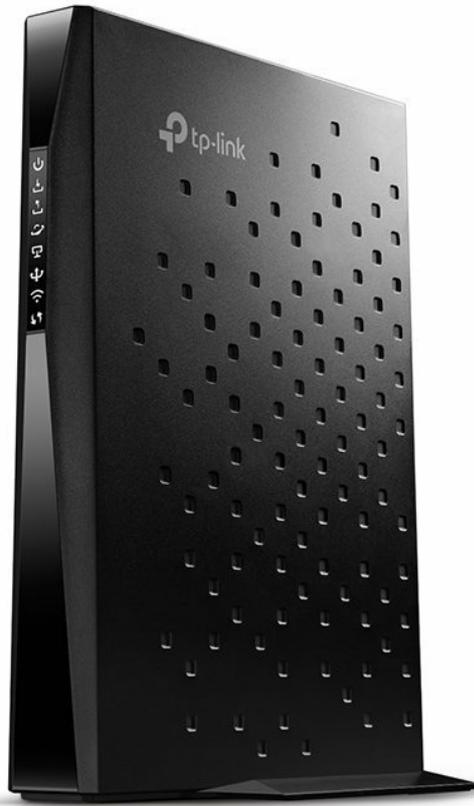
Image 1: Front view of the TP-Link Archer CR1900 Cable Modem Router.

Image 2: Rear view of the TP-Link Archer CR1900, showing the coaxial, Ethernet, and power ports.

2. SETUP AND INSTALLATION

Setting up your Archer CR1900 is designed to be straightforward. Follow these general steps for installation:

1. **Connect the Coaxial Cable:** Connect one end of a coaxial cable to the cable wall outlet and the other end to the 'Cable' port on the back of your Archer CR1900.

2. **Connect Power:** Plug the power adapter into the 'Power' port on the modem router and then into a standard electrical outlet. Wait for the device to power on and the indicator lights to stabilize.

3. **Connect to a Computer/Router:**

   - **For a single computer:** Connect an Ethernet cable from one of the LAN ports on the Archer CR1900 to the Ethernet port on your computer.

   - **For a separate Wi-Fi router:** Connect an Ethernet cable from one of the LAN ports on the Archer CR1900 to the WAN/Internet port on your Wi-Fi router.

4. **Activate with Your Internet Service Provider (ISP):** The Archer CR1900 requires activation with your cable internet provider. This can typically be done through a hassle-free online activation process or by calling your ISP's customer support. Provide them with the modem's MAC address, usually found on a sticker on the device.

5. **Configure Wi-Fi (if using as a router):** Once activated, you can manage your Wi-Fi settings using the TP-Link Tether app on your mobile device. The app allows for easy configuration of network names (SSIDs) and passwords.

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Video 1: An official product overview video from the seller, demonstrating the features and setup of a similar cable modem router. This video provides a visual guide to the device's capabilities and initial connection steps.

3. OPERATING INSTRUCTIONS

The Archer CR1900 is designed for optimal performance and ease of use:

- **High-Speed Connectivity:** Enjoy Wi-Fi speeds up to 1900 Mbps, with 600 Mbps on the 2.4 GHz band and 1300 Mbps on the 5 GHz band. This dual-band capability allows for efficient traffic distribution, ensuring smooth performance for all your devices.

- **DOCSIS 3.0 Channel Bonding:** The 24 downstream and 8 upstream channels provide robust and fast internet, supporting download speeds up to 1000 Mbps, ideal for 4K streaming and online gaming.

- **Powerful Processor:** The integrated 1 GHz dual-core processor manages multiple connections simultaneously, preventing slowdowns when many devices are active on the network.

- **Extended Wi-Fi Range:** Three internal antennas combined with high-powered amplifiers enhance signal strength and reduce interference, providing reliable Wi-Fi coverage across up to 2,500 square feet.

- **Tether App Management:** Use the TP-Link Tether app to easily manage your network from your smartphone. This includes setting up parental controls, guest networks, and monitoring connected devices.

4. MAINTENANCE

To ensure the longevity and optimal performance of your Archer CR1900, consider the following maintenance tips:

- **Placement:** Position the modem router in a central location, away from obstructions and other electronic devices that may cause interference. Ensure it has adequate ventilation to prevent overheating.

- **Regular Reboots:** Periodically reboot your modem router (unplug from power for 30 seconds, then plug back in) to clear its memory and refresh network connections. This can resolve minor performance issues.

- **Firmware Updates:** Check the TP-Link website or the Tether app for available firmware updates. Keeping your device's firmware up-to-date ensures you have the latest features, security patches, and performance improvements.

- **Cleanliness:** Keep the device clean and free from dust buildup, especially around ventilation areas, to maintain proper airflow.

5. TROUBLESHOOTING

If you encounter issues with your Archer CR1900, try the following troubleshooting steps:

- **No Internet Connection:**

  - Verify all cables (coaxial, Ethernet, power) are securely connected.
  - Check the indicator lights on the modem router. Refer to the user manual for light status definitions.
  - Reboot the modem router and any connected devices.
  - Contact your Internet Service Provider (ISP) to confirm service status and modem activation.

- **Slow Wi-Fi Speeds:**

  - Ensure your device is connected to the appropriate Wi-Fi band (5GHz for faster speeds, 2.4GHz for

wider coverage).

- Reduce interference by moving the modem router away from other electronics or large metal objects.
- Limit the number of active devices or bandwidth-intensive activities on your network.
- Check for firmware updates.

- **Intermittent Connection:**
  - Check for loose cable connections.
  - Monitor for environmental interference.
  - Perform a factory reset (refer to the full manual for instructions, as this will erase all custom settings).

6. SPECIFICATIONS

Feature	Detail
Brand	TP-Link
Model Name	Archer CR1900 (Cable Modem Router(AC1900 Gateway))
Wireless Type	802.11ac
Frequency Band Class	Dual-Band (2.4GHz & 5GHz)
Wi-Fi Speeds	Up to 1900Mbps (2.4GHz: 600Mbps, 5GHz: 1300Mbps)
DOCSIS Standard	DOCSIS 3.0 (24x8 Channel Bonding)
Max Download Speed	Up to 1000Mbps
Processor	1 GHz Dual-Core
Antenna Type	3x Internal Antennas
Coverage Area	Up to 2,500 square feet
Connectivity Technology	Wi-Fi
Compatible Devices	Personal Computer
Operating System Compatibility	Windows 8/7/Vista/XP; Mac OS; Linux
Item Weight	3.7 pounds
Product Dimensions	9 x 6.3 x 1.5 inches
Color	Black

7. WARRANTY AND SUPPORT

The TP-Link Archer CR1900 comes with a **2-year warranty**. For any technical assistance or support, TP-Link offers **free 24/7 technical support** You can also find additional resources and manage your device through the TP-Link Tether app or by visiting the official TP-Link support website.