TP-Link Archer C20

TP-Link Archer C20 AC750 Dual Band Wireless Router User Manual

Model: Archer C20

1. INTRODUCTION

This user manual provides comprehensive instructions for the TP-Link Archer C20 AC750 Dual Band Wireless Router. The Archer C20 is designed to provide high-speed wireless internet connectivity, utilizing both 2.4GHz and 5GHz frequency bands for optimal performance across various devices and network demands. Please read this manual thoroughly before installation and use to ensure proper operation and maximize your network experience.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- AC750 Wireless Dual Band Router (Archer C20)
- Power Adapter
- RJ45 Ethernet Cable
- Quick Installation Guide

Figure 2.1: TP-Link Archer C20 Retail Packaging. The box contains the router and essential accessories.

3. PRODUCT OVERVIEW

The Archer C20 router features a compact design with essential ports and indicators for network management.

3.1 Front Panel

The front panel typically features LED indicators that display the router's status, including power, internet connectivity, wireless activity for both 2.4GHz and 5GHz bands, and LAN port status.

3.2 Rear Panel

The rear panel houses all physical connection ports and control buttons.

Figure 3.1: Rear Panel of Archer C20 Router.

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

- **Reset Button:** Press and hold for several seconds to restore factory default settings.
- **WPS/Wi-Fi Button:** Press for WPS function or press and hold to enable/disable Wi-Fi.
- **WAN Port (Blue):** Connect your modem's Ethernet cable to this port for internet access.
- **LAN Ports (Yellow, 1-4):** Connect your wired devices (computers, gaming consoles, smart TVs) to these ports.
- **USB 2.0 Port:** Connect a USB storage device for file sharing or a USB printer for network printing.
- **Antennas:** Two fixed antennas provide wireless signal coverage.

4. SETUP INSTRUCTIONS

Follow these steps to set up your TP-Link Archer C20 router.

4.1 Hardware Connection

1. **Power Off:** Unplug your modem's power adapter and remove the backup battery if it has one.
2. **Connect Modem:** Connect the modem to the router's blue WAN port using an Ethernet cable.
3. **Power On Modem:** Plug in and power on your modem. Wait approximately 2 minutes for it to start up.
4. **Connect Router Power:** Connect the power adapter to the router and plug it into a power outlet. Press the Power On/Off button if necessary.
5. **Connect Computer (Optional):** Connect your computer to one of the yellow LAN ports on the router using an Ethernet cable, or connect wirelessly using the default Wi-Fi name (SSID) and password printed on the label at the bottom of the router.

4.2 Configure the Router

1. **Access Web Management Page:** Open a web browser on your connected computer or mobile device. Enter **http://tplinkwifi.net** or **http://192.168.0.1** (or **http://192.168.1.1**) in the address bar and press Enter.
2. **Login:** Create a new password for future logins when prompted.
3. **Run Quick Setup:** Follow the on-screen instructions of the Quick Setup Wizard to configure your internet connection and wireless settings.
4. **Save Settings:** Save your settings and reboot the router if prompted.

5. OPERATING INSTRUCTIONS

Once set up, you can manage and utilize your Archer C20 router's features.

5.1 Connecting Devices

- **Wireless Connection:** On your device, select the Wi-Fi network name (SSID) you configured during setup (or the default one) and enter the password.
- **Wired Connection:** Connect devices directly to the yellow LAN ports using Ethernet cables for stable, high-speed connections.

5.2 Dual Band Functionality

- **2.4GHz Band:** Provides wider coverage and better penetration through walls, suitable for general browsing, email, and devices further from the router.
- **5GHz Band:** Offers faster speeds and less interference, ideal for bandwidth-intensive activities like online gaming, HD video streaming, and video calls, especially for devices closer to the router.

5.3 USB Port Usage

The USB 2.0 port allows you to:

- **Share Files:** Connect a USB storage device (flash drive, external hard drive) to share files across your network.
- **Share a Printer:** Connect a USB printer to make it accessible to all devices on your network.

Note: Specific configuration for USB sharing features can be found in the router's web management interface.

6. MAINTENANCE

To ensure optimal performance and longevity of your Archer C20 router, consider the following maintenance tips:

- **Firmware Updates:** Regularly check the TP-Link official website for the latest firmware updates. Updating firmware can improve performance, add new features, and fix security vulnerabilities.
- **Regular Reboot:** Rebooting your router periodically (e.g., once a month) can help clear its memory and resolve minor performance issues.
- **Physical Cleaning:** Keep the router clean and free from dust. Ensure proper ventilation by not blocking the vents.
- **Security:** Use strong, unique passwords for your Wi-Fi networks and router login. Consider enabling a guest network for visitors to keep your main network secure.
- **Placement:** Place the router in a central location, away from obstructions and devices that emit electromagnetic interference (e.g., microwaves, cordless phones).

7. TROUBLESHOOTING

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

- **No Internet Access:**
  - Check all cable connections between the modem, router, and computer. Ensure they are secure.
  - Reboot your modem and router. Unplug both devices, wait 30 seconds, then plug in the modem first, wait for it to fully boot, then plug in the router.
  - Verify your internet service is active with your Internet Service Provider (ISP).

- **Slow Wireless Speed:**
  - Ensure your device is connected to the appropriate band (5GHz for faster speeds, if supported).
  - Move closer to the router to improve signal strength.
  - Reduce interference by moving the router away from other electronic devices.
  - Check for firmware updates.

- **Cannot Access Web Management Page:**
  - Ensure your device is correctly connected to the router (wired or wireless).
  - Verify you are using the correct address (**http://tplinkwifi.net** or **http://192.168.0.1**).
  - Try a different web browser.
  - Temporarily disable any firewall or antivirus software on your computer.

- **Forgot Wi-Fi Password or Router Login Password:**
  - You can find the default Wi-Fi password on the label at the bottom of the router.
  - To reset the router login password or if you've forgotten your custom Wi-Fi password, perform a factory reset by pressing and holding the Reset button on the rear panel for about 10 seconds while the router is powered on. This will revert all settings to factory defaults.

8. SPECIFICATIONS

Feature	Detail

Feature	Detail
Brand	TP-Link
Model Name	Archer C20
Wireless Standards	IEEE 802.11ac/n/a 5GHz, IEEE 802.11b/g/n 2.4GHz
Frequency Band Class	Dual-Band (2.4GHz and 5GHz)
Wireless Speed	433Mbps at 5GHz + 300Mbps at 2.4GHz (AC750 total)
Ethernet Ports	1 x 10/100Mbps WAN Port, 4 x 10/100Mbps LAN Ports
USB Port	1 x USB 2.0 Port
Antennas	2 Fixed Antennas
Protocols Supported	IPv4 and IPv6
Special Feature	WPS (Wi-Fi Protected Setup)
Compatible Devices	Personal Computer, Mobile Devices, Smart Home Devices
Recommended Uses	Home, Small Office
Operating System Support	Microsoft Windows XP/Vista/7/8/8.1/10, MAC OS, UNIX or Linux
Product Dimensions (LxWxH)	5.7 x 9.1 x 1.4 inches
Item Weight	1.3 pounds

9. WARRANTY AND SUPPORT

For warranty information, technical support, and additional resources, please visit the official TP-Link website. You can find FAQs, updated drivers, and contact information for customer service there.

TP-Link Official Website: www.tp-link.com