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- › [Tenda](#) /
- › [Tenda AC1900 Dual Band Gigabit Wireless Router AC15 User Manual](#)

Tenda AC15

Tenda AC1900 Dual Band Gigabit Wireless Router AC15 User Manual

Model: AC15

[Product Overview](#) [Setup](#) [Operating](#)
[Instructions](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Tenda AC1900 Dual Band Gigabit Wireless Router, model AC15. Please read this manual thoroughly before using the device to ensure proper setup and optimal performance. The AC15 router offers high-speed wireless connectivity and advanced features for your home network.

PRODUCT OVERVIEW

The Tenda AC15 is a high-performance dual-band wireless router designed to provide fast and reliable internet access. It features three external antennas for extended coverage and multiple ports for wired connections.



Figure 1: Top-down view of the Tenda AC15 router, showing its sleek design and three external antennas.

Physical Interfaces and Buttons

Familiarize yourself with the ports and buttons on the rear panel of your AC15 router:



Figure 2: Rear panel of the Tenda AC15 router, highlighting the power input, Wi-Fi, WPS buttons, and Ethernet ports.

- **PWR (Power Port):** Connect the included power adapter here.
- **WIFI Button:** Press to enable or disable the wireless function.
- **WPS Button:** Use for quick and secure connection to WPS-compatible devices without entering a password.
- **WAN Port (Blue):** Connect your modem's Ethernet cable to this port for internet access.
- **LAN Ports (Yellow, LAN1-LAN3):** Connect your wired devices such as computers, smart TVs, or game consoles to these ports.
- **USB 3.0 Port:** Connect a USB storage device for network sharing or a USB printer.

SETUP INSTRUCTIONS

Follow these steps to set up your Tenda AC15 router.

Step 1: Hardware Connection

- Power Off:** Disconnect the power from your modem and router (if applicable).
- Connect Modem to Router:** Connect an Ethernet cable from your modem's LAN port to the blue **WAN** port on the Tenda AC15 router.
- Connect Router to Computer (Optional):** For initial setup, you can connect an Ethernet cable from one of the yellow **LAN** ports on the router to your computer's Ethernet port. Alternatively, you can connect wirelessly using the default Wi-Fi name and password found on the router's label.
- Power On:** Connect the power adapter to the router's **PWR** port and plug it into a power outlet. Power on your modem. Wait for both devices to fully boot up (typically 1-2 minutes).

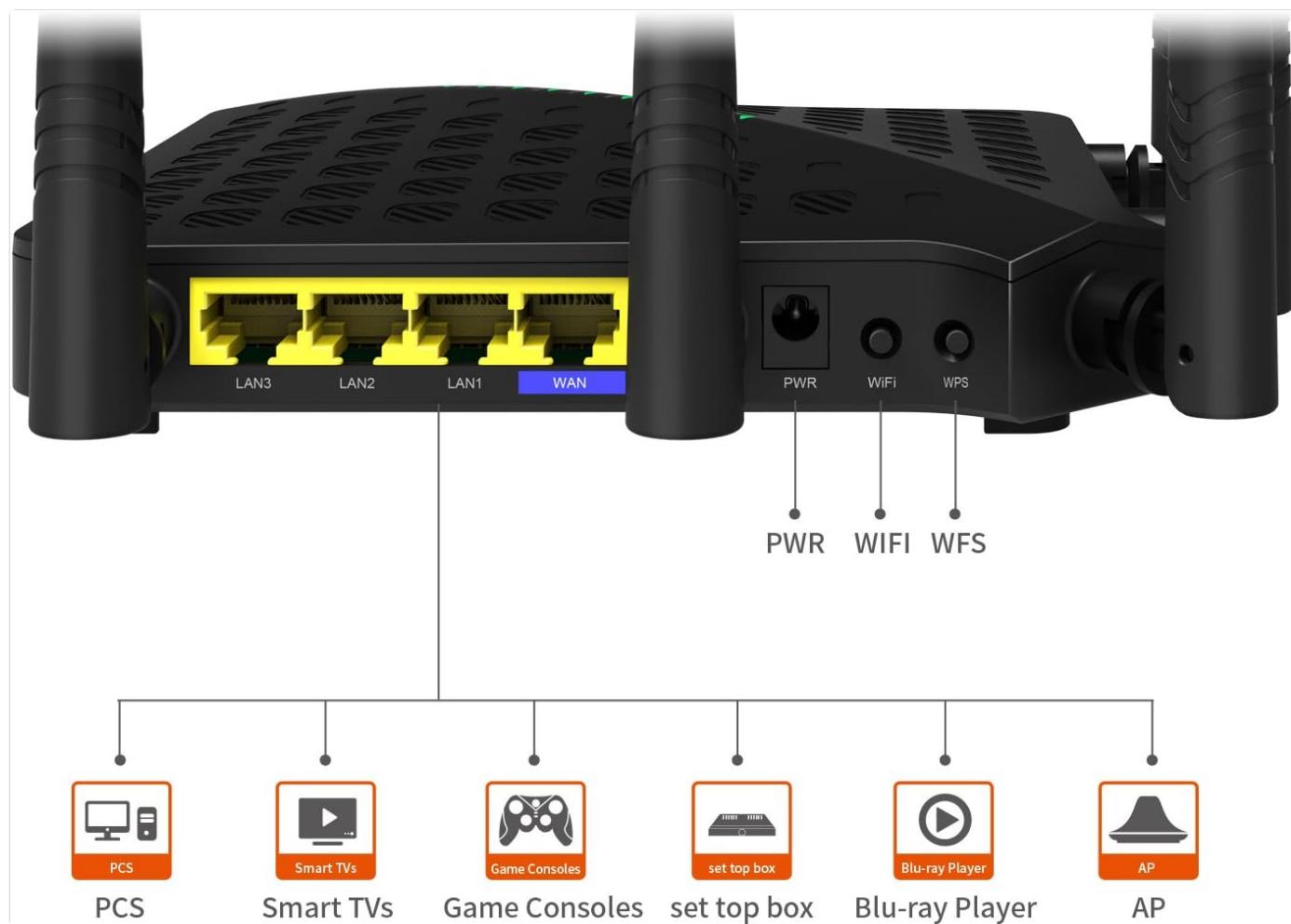


Figure 3: Diagram illustrating typical connections for the Tenda AC15 router, including modem, PCs, smart TVs, and game consoles.

Step 2: Initial Configuration

- Access Web Interface:** Open a web browser (e.g., Chrome, Firefox) on your connected computer or wireless device. In the address bar, type 192.168.0.1 and press Enter.
- Login:** The default login password is admin. Enter it and click Login.
- Internet Setup Wizard:** The router will guide you through the internet setup process. Select your internet connection type (e.g., PPPoE, Dynamic IP, Static IP) and enter any required information provided by your Internet Service Provider (ISP).
- Wi-Fi Settings:** Set your desired Wi-Fi network name (SSID) for both 2.4GHz and 5GHz bands and create a strong Wi-Fi password.
- Save Settings:** Save your configuration. The router will restart.

After the router restarts, you can connect your devices using the new Wi-Fi network name and password you created.

OPERATING INSTRUCTIONS

This section covers common operational aspects of your Tenda AC15 router.

Dual-Band Wireless Connectivity

The AC15 operates on both 2.4 GHz and 5 GHz frequency bands simultaneously. The 2.4 GHz band offers wider coverage, while the 5 GHz band provides faster speeds with less interference, ideal for streaming and gaming. You can connect devices to either network based on your needs.

USB 3.0 Port Functionality

The USB 3.0 port allows you to connect a USB storage device (e.g., external hard drive, flash drive) to share files across your network or create a personal cloud. You can also connect a USB printer to share it with multiple computers on your network. Access these features through the router's web interface.

Smart Management Features

- **WiFi Schedule:** Configure specific times for your Wi-Fi network to turn on or off, promoting healthy E-life habits and saving power.
- **LED Indicator Control:** Manage the LED lights on the router, allowing you to turn them off during certain hours to avoid disturbance.
- **Power Saving:** Utilize power-saving modes to reduce energy consumption when network activity is low.

These settings can be adjusted via the router's web management interface (192.168.0.1).

MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your router.

Firmware Updates

Periodically check the Tenda official website for firmware updates. Firmware updates can improve performance, add new features, and fix security vulnerabilities. Download the latest firmware and follow the instructions provided on the Tenda support page for your model to update your router.

Restarting the Router

If you experience network slowdowns or connectivity issues, a simple restart can often resolve the problem. To restart, unplug the power adapter from the router, wait for 10-15 seconds, and then plug it back in. Allow the router to fully boot up before checking connectivity.

Physical Cleaning

Keep the router clean and free from dust. Use a soft, dry cloth to wipe the exterior. Ensure the ventilation holes are not blocked to prevent overheating.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Tenda AC15 router.

No Internet Access

- **Check Cables:** Ensure all Ethernet cables are securely connected, especially the one from your modem to the router's **WAN** port.
- **Modem Status:** Verify that your modem is working correctly and has an active internet connection.
- **Router Lights:** Check the LED indicators on the router. The WAN light should be solid or blinking, indicating an active connection.
- **Restart Devices:** Power cycle your modem and router (unplug, wait 10-15 seconds, plug back in).
- **ISP Settings:** Confirm your internet connection type and settings in the router's web interface match those provided by your ISP.

Wi-Fi Connectivity Issues

- **Wi-Fi Enabled:** Ensure the Wi-Fi function is enabled on the router (check the **WIFI** button and router settings).
- **Correct Network:** Verify you are connecting to the correct Wi-Fi network (SSID) and entering the correct password.
- **Signal Strength:** Move closer to the router to check if signal strength is an issue. Obstacles like walls and large appliances can degrade signal.
- **Interference:** Other electronic devices (cordless phones, microwaves) can cause interference. Try changing the Wi-Fi channel in the router settings.

Slow Network Speeds

- **Internet Plan:** Confirm your internet speed with your ISP.
- **Wired vs. Wireless:** Test speeds with a wired connection to the router. If wired speeds are good, the issue might be with your wireless setup.
- **Band Selection:** For demanding tasks like streaming or gaming, connect to the 5 GHz Wi-Fi band if your device supports it.
- **Channel Congestion:** Use the router's web interface to find less congested Wi-Fi channels for both 2.4 GHz and 5 GHz bands.
- **Too Many Devices:** A large number of active devices can slow down the network.

SPECIFICATIONS

Model Name	Tenda AC1900 (AC15)
Wireless Standard	802.11ac
Frequency Band Class	Dual-Band (2.4 GHz & 5 GHz)
Connectivity Technology	Wi-Fi
Ethernet Ports	1x WAN, 3x LAN (Gigabit Ethernet)
USB Port	1x USB 3.0
Special Feature	WPS
Product Dimensions	7.07 x 3.02 x 8.9 inches
Item Weight	1.35 pounds
Manufacturer	Tenda Technology

Note: Specifications are subject to change without notice.

WARRANTY AND SUPPORT

Limited Warranty

Tenda Technology provides a limited warranty for this product. The warranty period and terms may vary by region. Please refer to the official Tenda website or your product's packaging for specific warranty details applicable to your purchase.

Technical Support

For technical assistance, troubleshooting, or further inquiries, please visit the official Tenda support website. You can find FAQs, driver downloads, firmware updates, and contact information for customer support.

Tenda Official Website: www.tendacn.com

When contacting support, please have your router's model number (AC15) and serial number ready.

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