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› U-SPEED N300 WiFi Router User Manual

U-SPEED T1 Pro

U-SPEED N300 WiFi Router User Manual

Model: T1 Pro | Brand: U-SPEED

1. INTRODUCTION

This manual provides comprehensive instructions for setting up, operating, and maintaining your U-SPEED N300 WiFi Router. The N300 WiFi Router is designed to provide reliable 2.4G wireless N rates up to 300 Mbps, ideal for various home and office networking needs, including video streaming, VoIP, and web browsing. It features two 5dBi antennas for improved coverage and stability, WISP Wireless Repeater Mode for extended network coverage, and advanced security protocols.

Please read this manual carefully before using the device to ensure proper installation and optimal performance.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- N300 WiFi Router
- Power Adapter
- Ethernet Cable
- User Manual (this document)

Packing



Figure 2.1: Package Contents

3. PRODUCT OVERVIEW

3.1 Router Layout



Figure 3.1: Front View of N300 WiFi Router

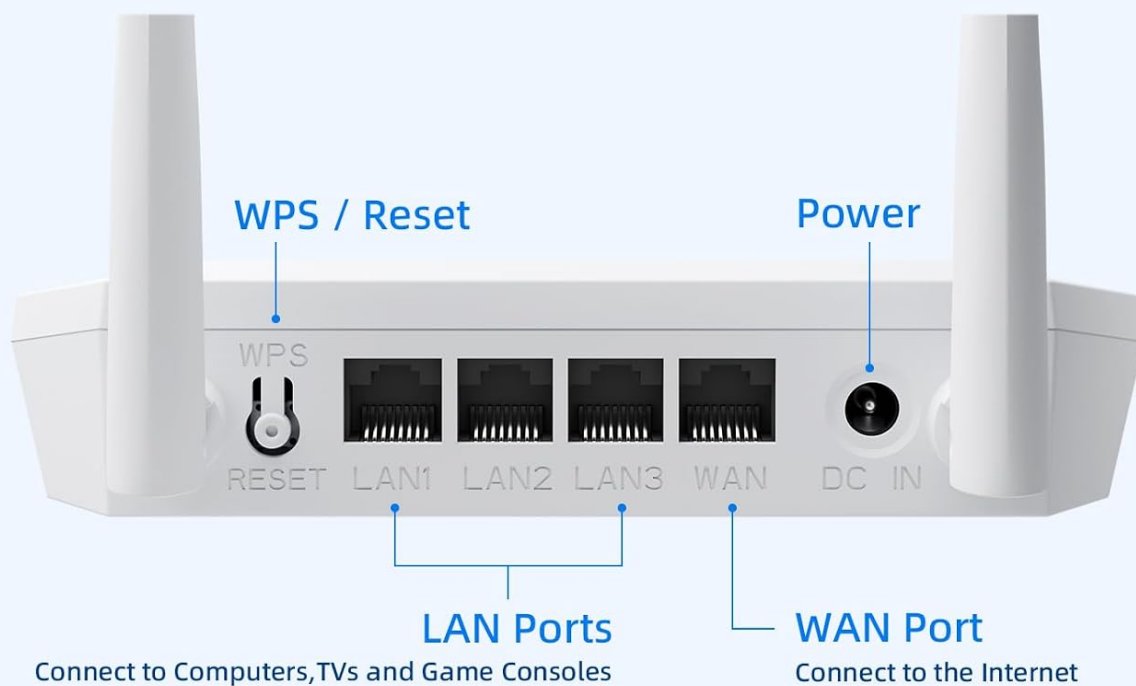


Figure 3.2: Rear Panel Ports and Buttons

WPS / Reset Button: Used for quick WPS connection or to reset the router to factory defaults (press and hold).

LAN Ports (LAN1-LAN3): Connect to wired devices such as computers, smart TVs, or gaming consoles.

WAN Port: Connects to your modem for internet access.

DC IN: Power input port for the included power adapter.

3.2 Key Features

- **High-Speed 2.4G WiFi:** Offers wireless N rates up to 300 Mbps, suitable for various online activities.
- **Enhanced Coverage:** Equipped with two 5dBi antennas to significantly improve network coverage and stability.
- **WISP Wireless Repeater Mode:** Extends your existing wireless network by connecting wirelessly to a primary router.
- **Internet Access Control:** Allows you to manage and limit network connections for specific users or devices.
- **Fast Ethernet Ports:** Three 10/100 Mbps LAN ports for reliable wired connections.

- **QoS Bandwidth Control:** Prioritizes bandwidth allocation to ensure optimal performance for critical devices and applications.
- **Advanced WiFi Security:** Supports WPA2-PSK/WPA-PSK/Mixed encryption options for a secure network environment.
- **Broad Compatibility:** Backward compatible with 802.11b/g devices.

4. SETUP GUIDE

4.1 Hardware Connection

1. **Power On:** Connect the power adapter to the DC IN port of the router and plug the other end into a power outlet.
2. **Connect to Modem:** Use the included Ethernet cable to connect your modem's LAN port to the WAN port on the N300 WiFi Router.
3. **Connect Devices (Optional):** For wired connections, use Ethernet cables to connect your computers, gaming consoles, or other devices to the LAN ports (LAN1-LAN3) on the router.

How It Works

Starting with internet service and a modem then connect the U-speed router. The router broadcasts a wireless signal that lets you easily connect your devices and smart appliances.



Figure 4.1: Basic Network Connection Diagram

4.2 Initial Configuration (Easy Setup)

The N300 WiFi Router can be easily set up using a smartphone or computer via its web interface.

1. **Connect to Router's WiFi:** On your device (smartphone/PC), connect to the router's default WiFi network. The SSID (network name) and password are usually found on a label on the bottom of the router.
2. **Access Web Interface:** Open a web browser and enter the default IP address (e.g., 192.168.10.1) into the address bar. You may be prompted to log in with default credentials (e.g., admin/admin).

3. **Follow Setup Wizard:** The router's web interface will guide you through the initial setup process, including setting up your internet connection type (DHCP, Static IP, PPPoE), changing the WiFi SSID and password, and configuring security settings.

Easy to Setup

Get the network up and running in a few simple steps from your smartphone or computer.

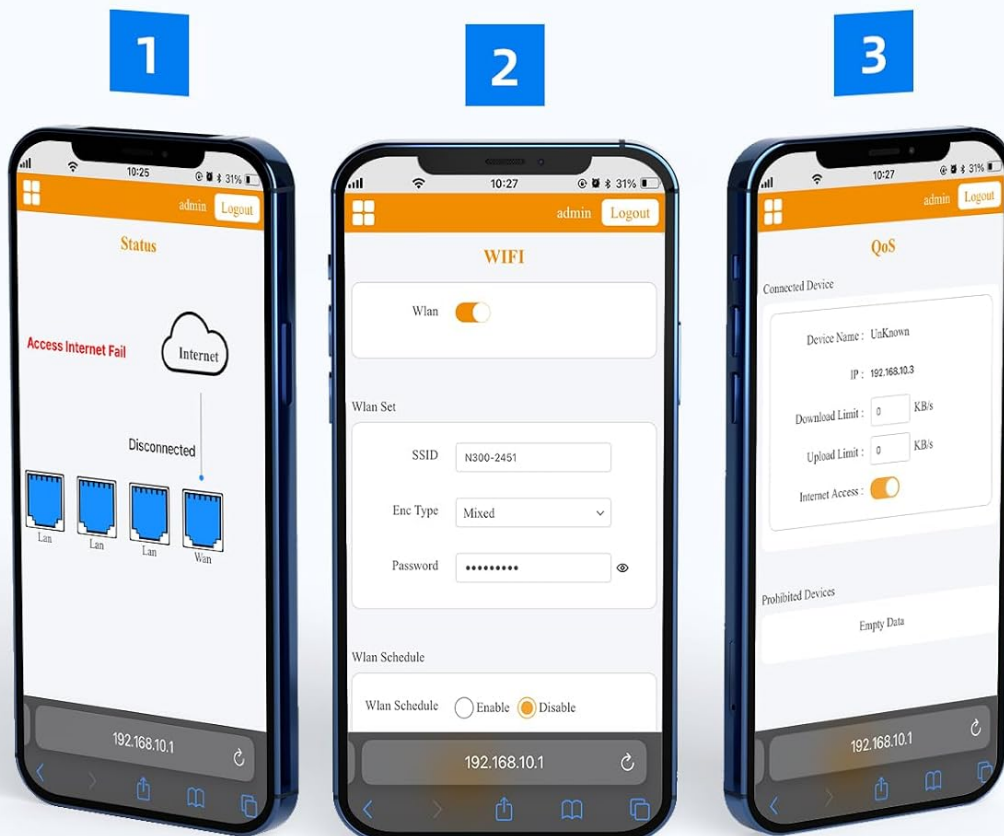


Figure 4.2: Easy Setup via Smartphone Interface

4.3 WPS Connection

For devices that support WPS (Wi-Fi Protected Setup), you can connect to the network by simply pressing the WPS button on the router.

1. Press the WPS button on your N300 WiFi Router (refer to Figure 3.2).
2. Within two minutes, activate WPS on your client device (e.g., wireless adapter, smartphone). The devices will automatically connect.

WPS Connection

Devices can be easily connected to the wireless network through the webpage or by pressing WPS button.



Figure 4.3: WPS Button Location

5. OPERATING INSTRUCTIONS

5.1 WISP Wireless Repeater Mode

WISP (Wireless Internet Service Provider) mode allows the router to connect to an existing wireless network (e.g., from your main router or a public hotspot) and then broadcast its own WiFi network, effectively extending the coverage.

1. Access the router's web interface.
2. Navigate to the operating mode settings and select "WISP Mode".
3. Scan for available wireless networks and select the one you wish to extend. Enter its password if required.
4. Configure the new SSID and password for your extended network.

Wireless Repeater-WISP

The WISP function realizes wider wireless network coverage and also provides better network security for users.

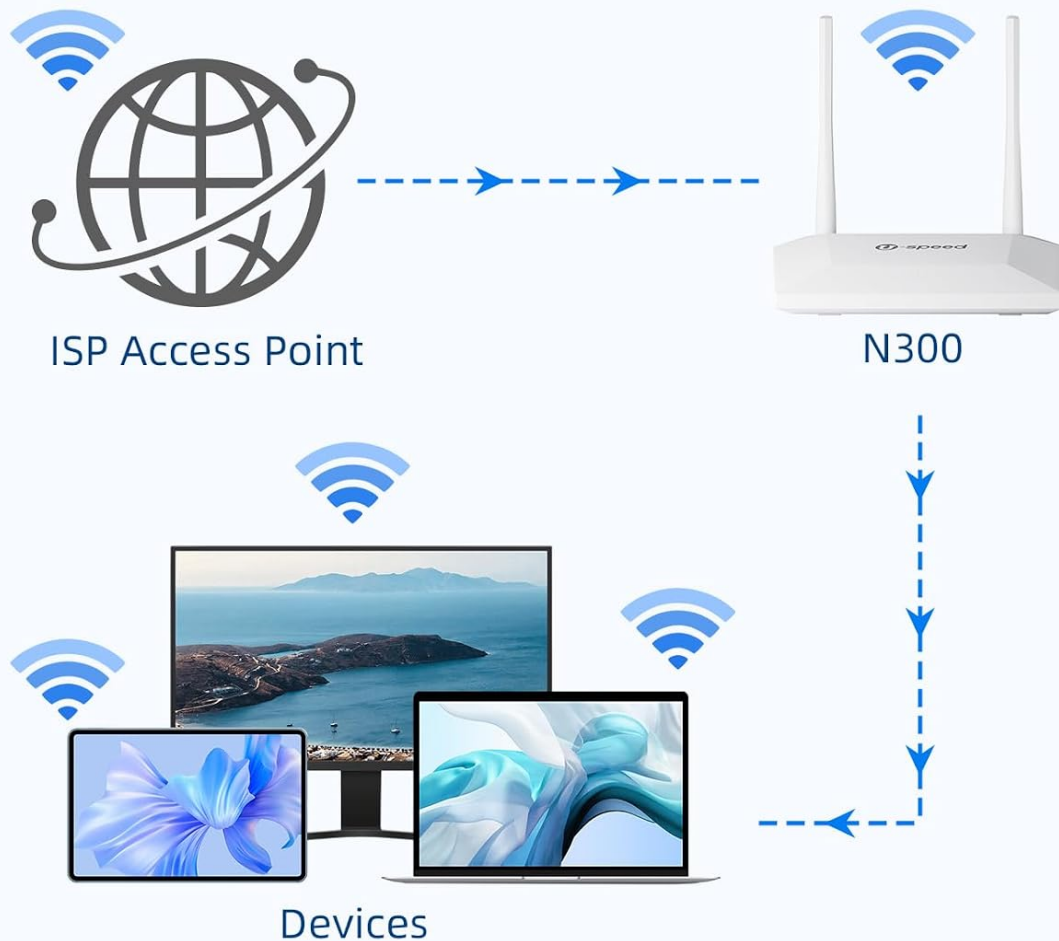


Figure 5.1: WISP Wireless Repeater Mode

5.2 Internet Access Control

This feature allows you to manage which devices can access the internet and when. It's useful for parental controls or restricting guest access.

1. Log into the router's web interface.
2. Find the "Internet Access Control" or "Parental Control" section.
3. You can set up rules based on MAC addresses, IP addresses, or time schedules to allow or block internet access for specific devices.

Internet Access Controls

With the Network Access Control Switch, you can restrict unfamiliar visitors from connecting to your WiFi network, creating a more private and secure network environment.

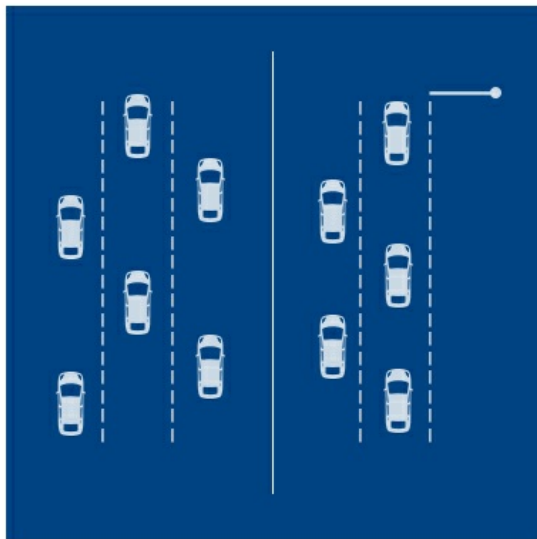


Figure 5.2: Internet Access Control Feature

5.3 QoS Bandwidth Control

Quality of Service (QoS) allows you to prioritize network traffic, ensuring that bandwidth-intensive applications (like video streaming or online gaming) receive sufficient bandwidth, while preventing other activities from slowing them down.

1. Access the router's web interface.
2. Locate the "QoS" or "Bandwidth Control" settings.
3. You can set bandwidth limits for specific devices or prioritize certain types of traffic.



QoS Bandwidth Control

Prioritize bandwidth allocation to the devices that need it most and enjoy stable streaming, web browsing, video chatting and more!

Figure 5.3: QoS Bandwidth Control Concept

5.4 WLAN Schedule

The WLAN Schedule feature allows you to set specific times for your wireless network to be active or inactive. This can be used to conserve energy or manage internet access times.

1. Log into the router's web interface.
2. Navigate to the "WLAN Schedule" settings.
3. Enable the schedule and set the desired "On Time" and "Off Time" for each day of the week.

Wlan Schedule ☒ Enable ☐ Disable

Wlan On Time 00 : 00 (start)
~
00 : 00 (end)

Repeat Day ☐ Everyday
☐ Monday
☐ Tuesday
☐ Wednesday
☐ Thursday
☐ Friday
☐ Saturday
☐ Sunday

WLAN Schedule

You can set the runtime of your wireless network to control the amount of time your child spends online.

Figure 5.4: WLAN Schedule Interface

5.5 Advanced Security

The router supports WPA-PSK, WPA2-PSK, and Mixed encryption options to protect your wireless network from unauthorized access. It is highly recommended to use WPA2-PSK for the strongest security.

1. Access the router's web interface.
2. Go to the "Wireless Security" or "Security" settings.
3. Select WPA2-PSK as the security mode and set a strong, unique password for your WiFi network.

Advanced Security

WPA-PSK / WPA2-PSK / Mixed, multi-level wireless encryption options to prevent unauthorized access and protect your important data.



Figure 5.5: Advanced WiFi Security

6. MAINTENANCE

- **Firmware Updates:** Periodically check the U-SPEED official website for firmware updates. Keeping your router's firmware up-to-date ensures optimal performance, security, and access to new features.
- **Cleaning:** Gently wipe the router with a soft, dry cloth. Do not use liquid cleaners or aerosols. Ensure ventilation holes are clear of dust.
- **Placement:** Place the router in a central location, away from obstructions, large metal objects, and interference sources (e.g., microwaves, cordless phones) to maximize WiFi coverage.
- **Rebooting:** If you experience network issues, try rebooting the router by unplugging the power adapter for 10 seconds and then plugging it back in.

7. TROUBLESHOOTING

Problem	Possible Solution
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Problem	Possible Solution
No Internet Access	◦ Check if the WAN port cable is securely connected to your modem. ◦ Ensure your modem is working correctly and has an active internet connection. ◦ Reboot both the modem and the router. ◦ Verify your internet connection settings in the router's web interface.
Weak WiFi Signal or Dead Zones	◦ Relocate the router to a more central position in your home/office. ◦ Avoid placing the router near large metal objects, concrete walls, or other electronic devices that may cause interference. ◦ Adjust the antennas for optimal signal direction. ◦ Consider using the WISP Repeater Mode to extend coverage.
Cannot Access Router's Web Interface	◦ Ensure your device is connected to the router's WiFi or via an Ethernet cable to a LAN port. ◦ Verify you are entering the correct IP address (e.g., 192.168.10.1). ◦ Clear your browser's cache or try a different browser. ◦ If you forgot the login credentials, you may need to perform a factory reset (see below).
Forgot WiFi Password or Router Login Password	◦ Perform a factory reset: With the router powered on, press and hold the WPS/Reset button for about 5-10 seconds until the lights flash. The router will revert to its default settings (SSID and password on the label). ◦ <i>Note: A factory reset will erase all your custom settings.</i>

8. SPECIFICATIONS

Feature	Detail
Model Name	N300 WiFi Router
Item Model Number	T1 Pro
Brand	U-SPEED
Wireless Standard	802.11n, 802.11b, 802.11g
Frequency Band	Single-Band (2.4 GHz)
Wireless Speed	Up to 300 Mbps (2.4G)
Antennas	Two 5dBi external antennas
Ethernet Ports	3 x 10/100 Mbps LAN, 1 x 10/100 Mbps WAN

Feature	Detail
Security Protocols	WPA2-PSK, WPA-PSK, Mixed
Special Features	Wireless Repeater, QoS, LED Indicator, WPS, WLAN Schedule, Internet Access Control
Product Dimensions	5.9 x 4.9 x 5.9 inches
Item Weight	4.5 ounces
Included Components	N300 WiFi Router, Power Adapter, Ethernet Cable, User Manual

Simple Appearance, Light and Portable

White appearance, lightweight body, smooth lines, simple and beautiful, suitable for a variety of home styles. At the same time very portable, out to carry will not take up too much space.

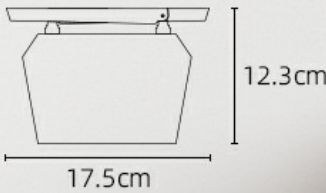


Figure 8.1: Router Dimensions

9. WARRANTY AND SUPPORT

U-SPEED products are designed for reliability and performance. For warranty information and technical support, please refer to the warranty card included with your product or visit the official U-SPEED brand store or support website.

U-SPEED Brand Store: [Visit U-SPEED Store on Amazon](#)

For further assistance, please contact U-SPEED customer service.

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