

Quick Installation Guide

300Mbps Wireless AP/Client Router

TL-WR843N



Getting Started

Which mode do you need? Please refer to the table to choose the appropriate operation mode.

Scenarios	Operation Modes
I want to connect to a Wireless Internet Service Provider (WISP), and share the Internet with local devices.	WISP Client Router
The wired network is only limited to one device to connect at a time, but I want to share the Internet with more wireless devices.	Standard Wireless Router
I want to extend the range of an existing Wi-Fi network.	Repeater

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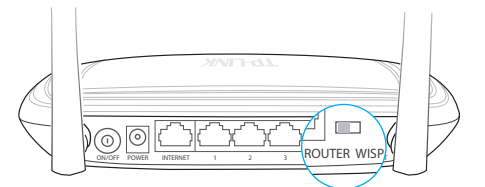
Hardware Information

LED	Status	Indication
Power	On Off Blinking	The router is on. The router is off. The router is initializing or upgrading.
WLAN	On Off	The wireless is working properly. The wireless is disabled.
LAN	On Off	A device is connected to the corresponding LAN port. No device is connected to the corresponding LAN port.
WAN	Green Orange Off	The router is connected to the Internet. The INTERNET port is connected, but there is no Internet connection. The INTERNET port is not connected.

LED	Status	Indication
WPS	Slow blinking On Quick blinking	WPS connection is in process. WPS connection is successful. The LED will turn off after 5 minutes. WPS connection fails.

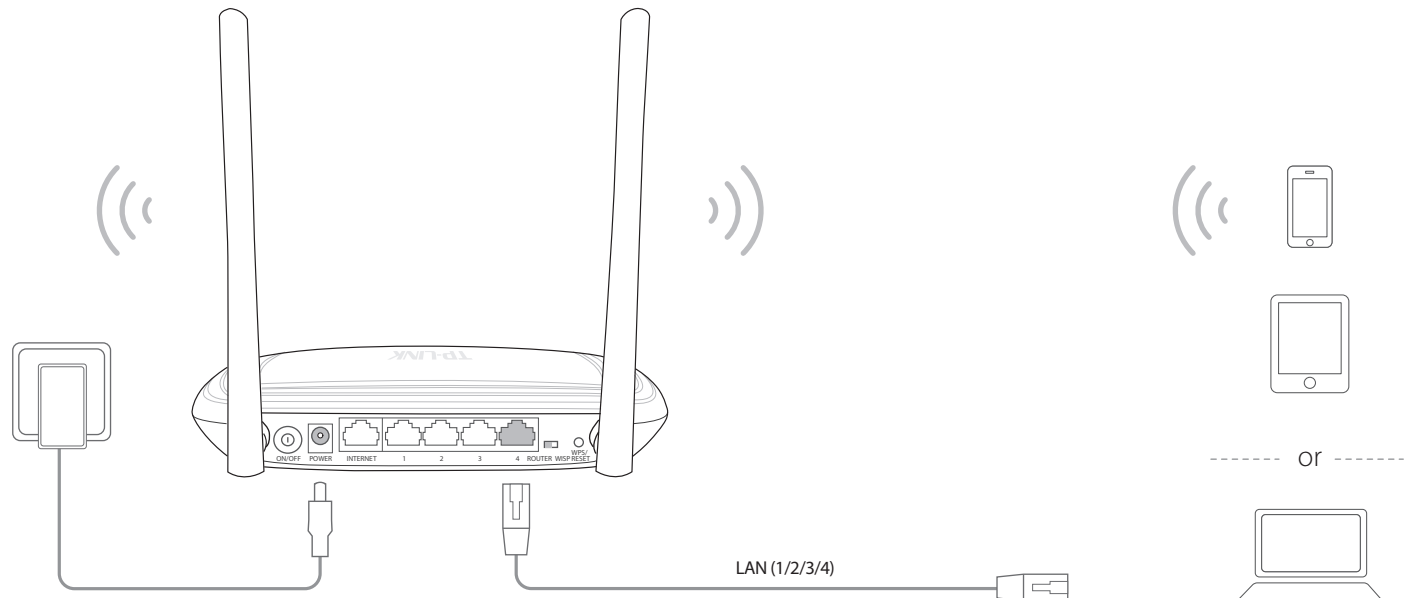
Operation Mode Switch:

Toggle to select the router's operation mode between ROUTER and WISP. You can also set the mode via the router's web interface, after which the operation mode switch will be disabled.



Configure the Router

WISP Client Router Mode



- 1 Connect the power adapter to your router and plug the power adapter into an outlet, and then press the **ON/OFF** button to turn on the router.
- 2 Connect your device to the router wirelessly or via an Ethernet cable. The Wi-Fi network name and password are on the router's label.
- 3 Launch a web browser, type <http://tplinkwifi.net> in the address bar, and then enter **admin** (in lowercase) for both username and password to log in.
- 4 Click **Quick Setup** on the left panel and click **Next** to start. Select the **Control the system mode by software** checkbox. Select **WISP Client Router** mode and click **Next**.

Note: When **Control the system mode by software** is checked, the operation mode switch on the router will be disabled. If you want to enable it, please log into the web management page and go to **Working Mode** to uncheck **Control the system mode by software**.

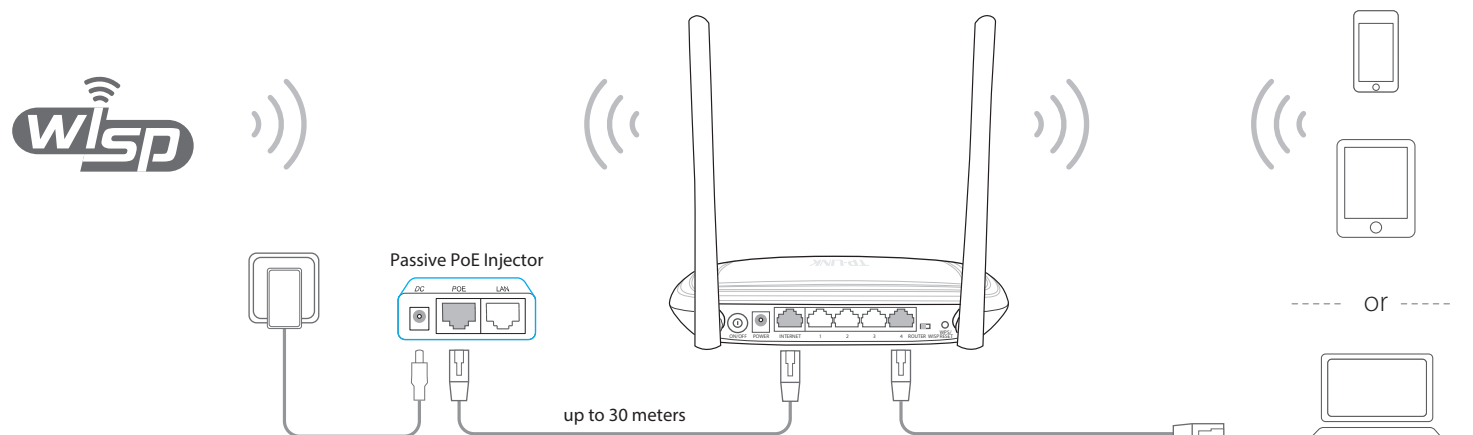
- 5 Select the **WAN Connection Type** and follow the screen instructions. For most cases, select **Dynamic IP**.
- 6 On the **Wireless** screen, click **Survey** to find the Wi-Fi network you want to connect to and click **Connect**.
- 7 Type in the selected Wi-Fi network's password when prompted. In the **AP Setting** section, customize your Wi-Fi network name and password, and then click **Next**.
- 8 Click **Finish** to complete the configuration.

Enjoy!

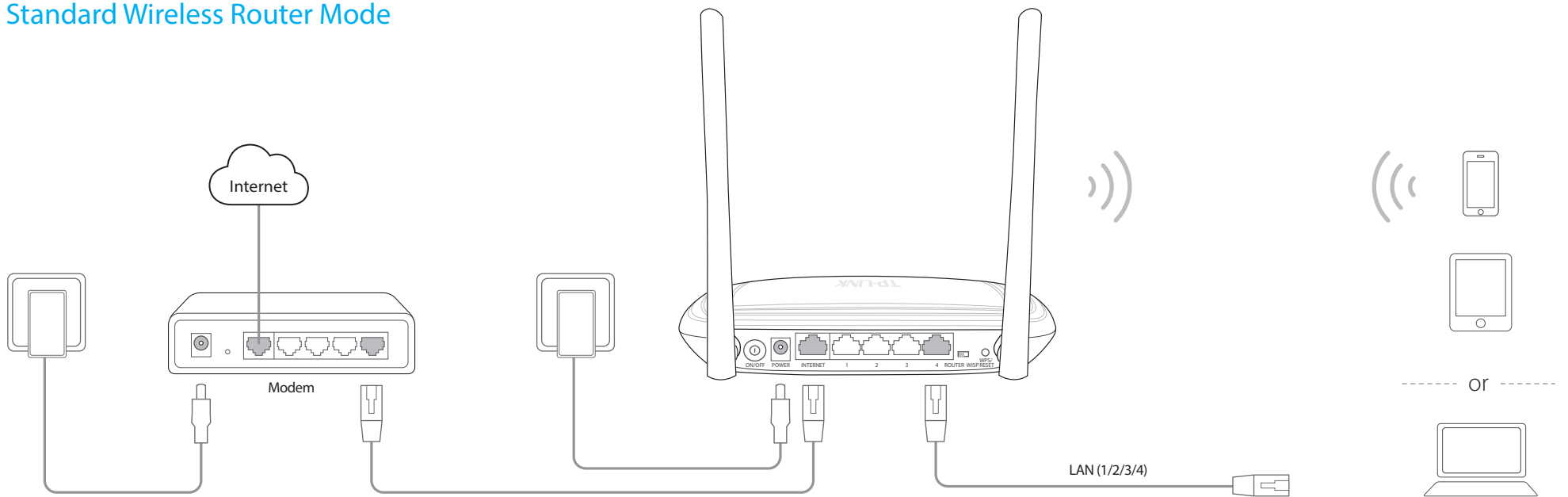
Power over Ethernet (PoE)

When the router is installed in a location far from a power outlet, power the router with the included passive PoE injector.

Note: If you need to use a longer Ethernet cable (not exceeding 100 meters), TP-LINK's 48V PoE adapters such as TL-POE200, TL-POE150S and TL-POE10R are recommended.



• Standard Wireless Router Mode

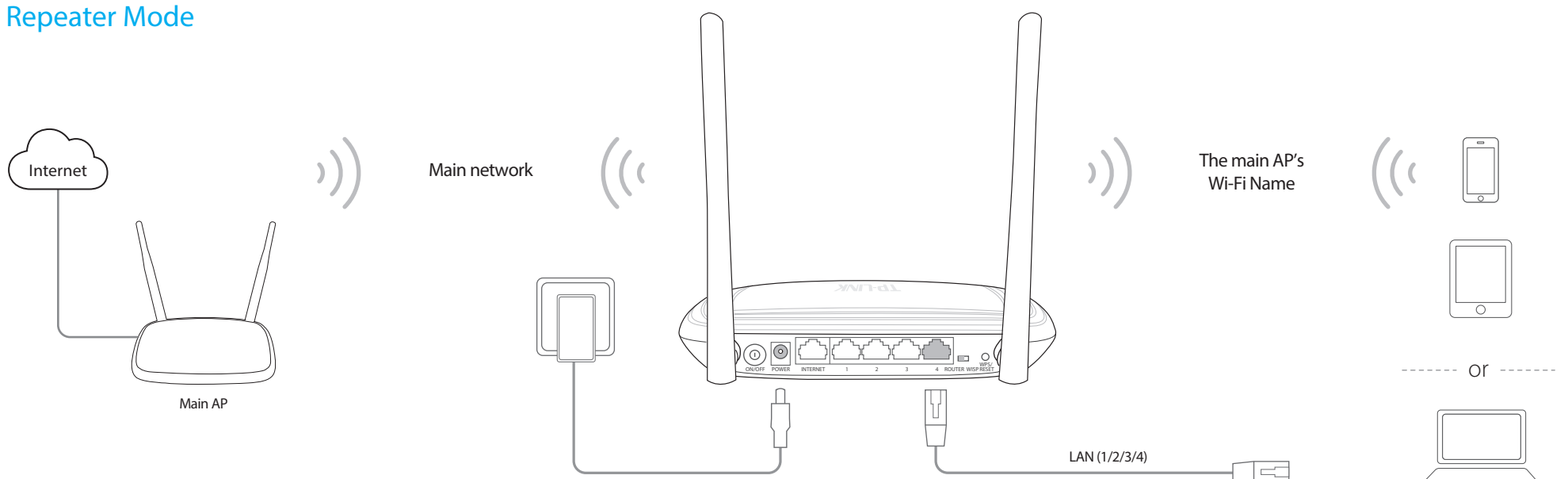


- 1 Turn off the modem, and remove the backup battery if it has one.
- 2 Connect the modem to the **INTERNET** port on the router via an Ethernet cable and press the **ON/OFF** button on the router. Turn on the modem and wait for it to restart.
- 3 Connect your device to the router wirelessly or via an Ethernet cable. The Wi-Fi network name and password are on the router's label.
- 4 Launch a web browser, type <http://tplinkwifi.net> in the address bar, and then enter **admin** (in lowercase) for both username and password to log in.
- 5 Click **Quick Setup** on the left panel and click **Next** to start. Select the **Control the system mode by software** checkbox. Select **Standard Wireless Router** mode and click **Next**.
Note: When **Control the system mode by software** is checked, the operation mode switch on the router will be disabled. If you want to enable it, please log into the web management page and go to **Working Mode** to uncheck **Control the system mode by software**.

- 6 Select the **WAN Connection Type** and follow the screen instructions.
- 7 On the **Wireless** screen, either customize the **Wireless Network Name** and **Password** or keep the default ones, and click **Next**.
- 8 Click **Reboot** to complete the configuration.

😊 Enjoy!

• Repeater Mode



- 1 Connect the power adapter to your router and plug the power adapter into an outlet, and then press the **ON/OFF** button to turn on the router.
- 2 Connect your device to the router wirelessly or via an Ethernet cable. The Wi-Fi network name and password are on the router's label.
- 3 Launch a web browser, type <http://tplinkwifi.net> in the address bar, and enter **admin** (in lowercase) for both username and password to log in.
- 4 Click **Quick Setup** on the left panel and click **Next** to start. Select the **Control the system mode by software** checkbox. Select **Repeater** mode and click **Next**.
Note: When **Control the system mode by software** is checked, the operation mode switch on the router will be disabled. If you want to enable it, please log into the web management page and go to **Working Mode** to uncheck **Control the system mode by software**.

- 5 On the **Wireless Setting** screen, click **Survey** to find the Wi-Fi network you want to connect to and click **Connect**.
- 6 Type the selected Wi-Fi network's password in the **Wireless Password** field and click **Next**.
- 7 Select the LAN IP type of the router or you can set **Smart IP** for most cases, and click **Next**.
- 8 Click **Reboot** to complete the configuration.

😊 Enjoy!

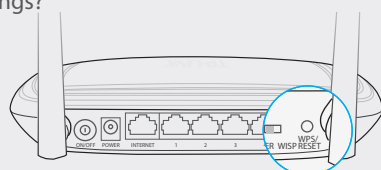
Tips: Place the router about halfway between your main AP and wireless devices. And use the main AP's SSID and password to join the Wi-Fi network.

Frequently Asked Questions(FAQ)

Q1. How do I restore the router to its factory default settings?

- With the device powered on, press and hold the **WPS/RESET** button for five seconds until the Power LED starts blinking, and then release the button.

Note: After resetting, all previous configurations will be cleared, and the router will reset to the mode that you have chosen via the operation mode switch.



Q2. What can I do if the login window does not appear?

- Change the computer's static IP address to obtain an IP address automatically.
- Verify that <http://tplinkwifi.net> or <http://192.168.0.1> is correctly entered in the web browser.
- Use another web browser and try again.
- Reboot your router and try again.
- Disable then reenables the network adapter in use.

Q3. What can I do if I forgot my web management password?

- Refer to FAQ > Q1 to reset the router, and then use the default **admin** (all lowercase) for both username and password to log in.

Q4. What can I do if I forgot my wireless network password?

- If you have not changed the default wireless password, it can be found on the label of the router.
- Connect a computer to the router via an Ethernet cable. Log into the web management page and go to **Wireless** > **Wireless Security** to retrieve or reset your Wi-Fi password.

Q5. What can I do if my wireless is not stable?

- ◆ It may be caused by too much interference. You can try the following methods:

- Set the wireless channel to a different one.
- Relocate the router away from Bluetooth devices and other household electronics, such as cordless phone, microwave, baby monitor, etc., to minimize signal interference.

Q6. What can I do if I cannot access the Internet?

- ◆ **Standard Wireless Router mode:**

- Check if the Internet is working properly by connecting a computer directly to the modem via an Ethernet cable. If not, contact your Internet Service Provider.
- Log into the web management page of the router, and go to the **Status** page to check whether the Internet IP address is valid or not. If it is, please run the **Quick Setup** again; otherwise, recheck the hardware connection.
- For cable modem users, reboot the modem first. If the problem still exists, log into the web management page of the router, go to **Network** > **MAC Clone**, click **Clone MAC Address** and then click **Save**.
- Reboot the router and try again.

- ◆ **WISP Client Router mode:**

- Log into the web management page of the router, and go to the **Status** page to check whether the Internet IP address is valid or not. If it is, please run the **Quick Setup** again.
- Reboot the router and try again.

- ◆ **Repeater mode:**

- Make sure that the Internet is working properly by connecting a computer directly to the main AP via an Ethernet cable, and the main AP has no limit access rules.
- Refer to FAQ > Q1 to reset your router, and configure the router again.
- If your Internet access is still not available, please contact TP-LINK Technical Support.