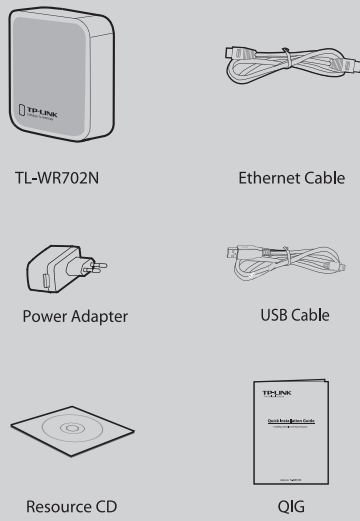# TP-LINK®
The Reliable Choice

Quick Installation Guide
150Mbps Wireless N Nano Router
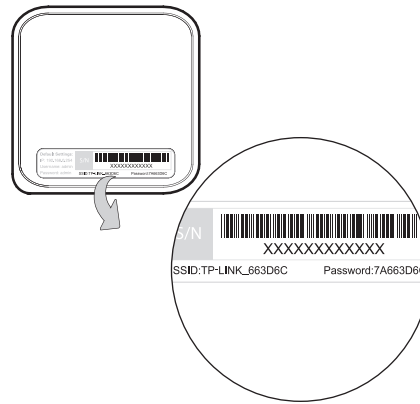
MODEL NO. TL-WR702N

7106504353   REV1.1.0

Package Contents

TL-WR702N

Ethernet Cable

Power Adapter

USB Cable

Resource CD

QIG

Hardware Introduction

Before hardware connection, please write down the **SSID** and **Password** of your TL-WR702N on the label for later use. Both are **case-sensitive**.

S/N   XXXXXXXXXXXX
SSID:TP-LINK_663D6C   Password:7A663D6C

❋ **SSID**: Wireless Network Name of TL-WR702N.

❋ **Password**: Pre-encryption password of TL-WR702N.

TL-WR702N LED:

Status	Indication
Solid	The device is ready to work.
Flashing	The Device is booting or rebooting.

LAN/WAN   Power   Reset

LAN/WAN: This port works as LAN in AP/Repeater/ Bridge/Client mode and as WAN in Router mode.

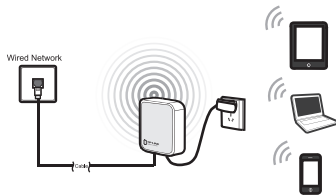**Power**: This port is used to connect the provided power adapter.

Reset: It is used to reset the TL-WR702N to its factory defaults.

⚠ Note   For more detailed information about **Reset**, please refer to **Appendix: Troubleshooting**.
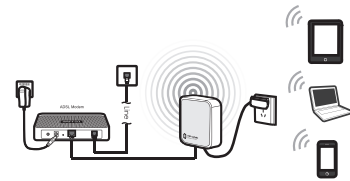
Operating Modes

1 AP Mode (default mode)

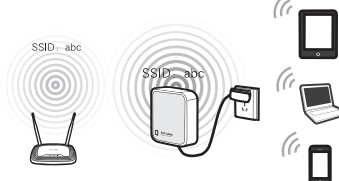The default operation mode is AP mode. In this mode, TL-WR702N can convert wired network to wireless network.

2 Router Mode

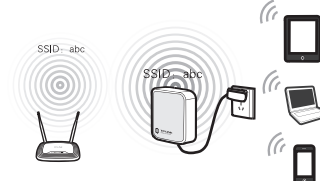As a wireless router, TL-WR702N enables multi-user to share Internet via DSL/Cable Modem.

3 Repeater Mode

TL-WR702N is used to extend the range of wireless signal of the existing AP or wireless router.
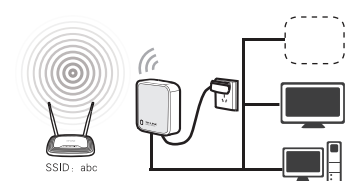
4 Bridge Mode

On this mode, the only wired port works as LAN. Computer could connect to the device by either wired or wireless way.

5 Client Mode

Use as a wireless adapter for wired-only Ethernet enabled devices. This mode is suitable for connecting Smart TVs, game consoles, or computers to your wireless network.

Instant Wireless Connection
The examples illustrated below are from Windows7. If you are using a different Windows OS, or a Mac OS, your screenshots may look different, but the procedure is the same.

1 According to the steps below, you can finish the hardware connection of TL-WR702N.
   **Wait until the LED is solid.**

Internet
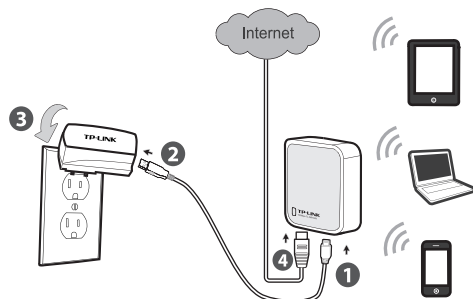
Step 1: Connect one end of the provided USB cable to micro USB port of TL-WR702N.

Step 2: Connect the other end of the provided USB cable to the power adapter.

Step 3: Plug in standard electrical wall socket directly to power the Router.

Step 4: For AP Mode and Router Mode, connect the LAN/WAN port of TL-WR702N to Internet with an Ethernet cable. For another modes, you can refer to the User Guide in the Resource CD.
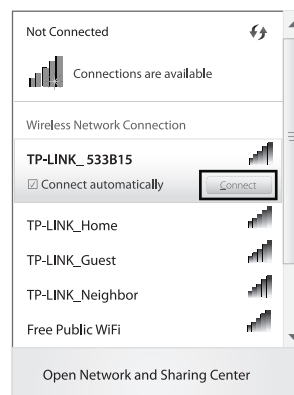
2 If you are connecting the TL-WR702N directly to your **cable modem**, you must first power reset the modem and **wait until its ONLINE LED is solid**. Then use an ethernet cable to connect to your modem via the **LAN/WAN** port on the TL-WR702N.

If you are connecting the TL-WR702N to an existing network, simply plug the cable into the **LAN/WAN** port and to your network.
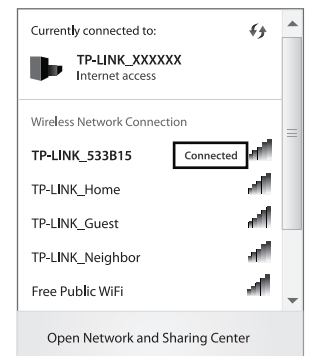
In either case, wait until the LED is solid blue.

Power   Reset

LAN/WAN
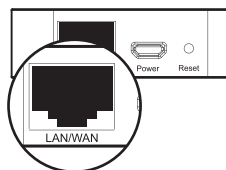
3 Click the Wireless Network icon on your desktop (📶 or 📡).   Select the **Default SSID** of the TL-WR702N, then click **Connect**.

Not Connected
   Connections are available
Wireless Network Connection
TP-LINK_533B15
☑ Connect automatically   Connect
TP-LINK_Home
TP-LINK_Guest
TP-LINK_Neighbor
Free Public WiFi

Open Network and Sharing Center

4 Enter the **Default Password**, then click **OK** or **Next**.

Connect to a Network
Type the network security key
Security key: ●●●●●●●●
   ☑ Hide characters
            OK   Cancel

5 Congratulations! You have successfully connected to your network!

Currently connected to:
   TP-LINK_XXXXXX
   Internet access
Wireless Network Connection
TP-LINK_533B15   Connected
TP-LINK_Home
TP-LINK_Guest
TP-LINK_Neighbor
Free Public WiFi

Open Network and Sharing Center

Customizing your Wireless Network Name & Password (Optional)

1 Open a web browser and go to the page **http://tplinklogin.net**.

http://tplinklogin.net

Enter the login username: **admin** and password: **admin**.
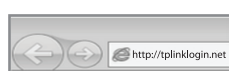
admin
●●●●●
☐ Remember my credentials
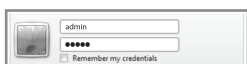
2 To customise your Wireless Network Name, click on "**Wireless**" from the menu on the left.

TP-LINK®
Status
Basic Settings —
Quick Setup
Working Mode
Network
Wireless
Advanced Settings —
DHCP
Maintenance —
System Tools

Status

LAN
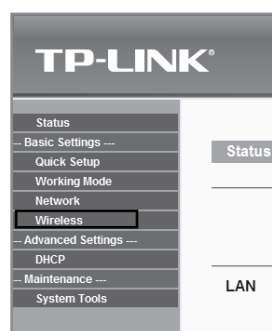
3 In the "**SSID**" (wireless network name) box, type in your new Wireless Name. Then click "**Save**".

Wireless Settings - AP
SSID: TP-LINK_533B15
Region: United States
Channel: Auto
Mode: 11bgn mixed
Channel Width: Auto
☑ Enable Wireless Router Radio
☑ Enable SSID Broadcast
☐ Enable WDS
Save
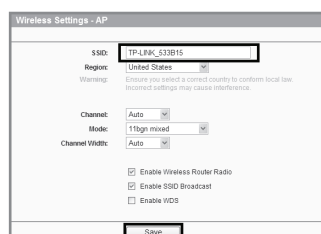
4 To customise your Wireless Password, click "**Wireless**" from the menu on the left, then click "**Wireless Security**".

TP-LINK®
Status
Basic Settings —
Quick Setup
Working Mode
Network
Wireless
Wireless Settings
Wireless Security
MAC Filtering
Wireless Advanced
Wireless Statistics
Advanced Settings —
DHCP
Maintenance —
System Tools

Wireless Securi
○ Disable Se
○ WEP
   WEP
○ WPA/WPA2
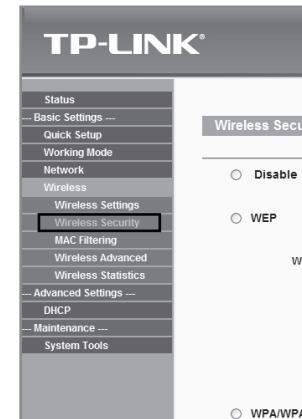
5 In the "**PSK Password**" box under "**WPA-PSK/WPA2-PSK**" type in your new wireless password. Then click "**Save**".
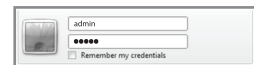
Wireless Security
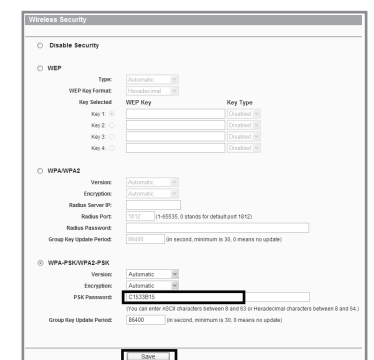
Operating Mode Configuration

1 Plug your TL-WR702N into a power outlet and use its **LAN port** to connect your computer via Ethernet cable. **Disconnect from all wireless networks**, and **wait until the LED is solid blue**.
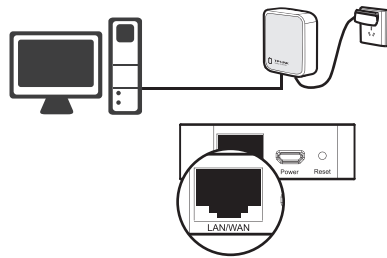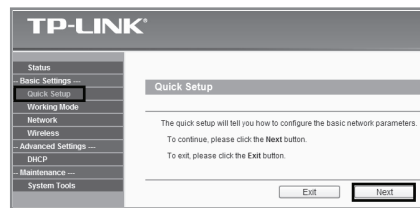
2 Open a web browser and go to the page **http://tplinklogin.net**.

http://tplinklogin.net

Enter the login username: **admin** and password: **admin**.
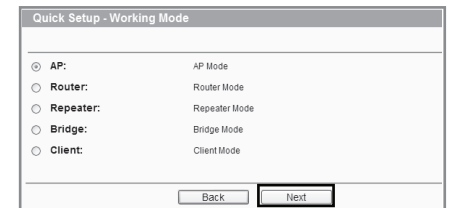
admin
•••••
☐ Remember my credentials

⚠ Note The login username and password are **case sensitive**.

3 After a successful login, click "**Quick Setup**" from the menu to configure your TL-WR702N. Click "**Next**".
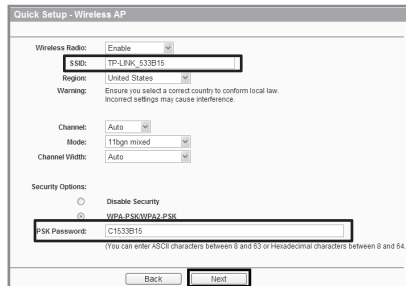
TP-LINK®

Quick Setup

The quick setup will tell you how to configure the basic network parameters.
To continue, please click the Next button.
To exit, please click the Exit button.

Exit   Next

4 Choose the Working Mode you need, then click "**Next**" and refer to the sections below for further instruction.

Quick Setup - Working Mode

○ **AP:**   AP Mode
○ **Router:**   Router Mode
○ **Repeater:**   Repeater Mode
○ **Bridge:**   Bridge Mode
○ **Client:**   Client Mode
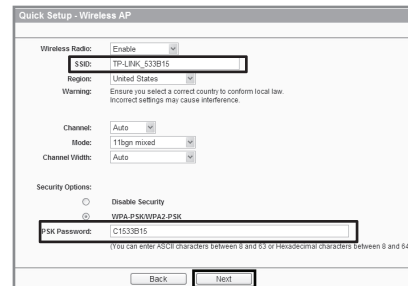
Back   Next

Access Point Mode (AP)

① Set your wireless parameters. If desired, you may change your SSID (Wireless Network Name), Security Options, or Password. Click "**Next**" and then "**Reboot**".

Quick Setup - Wireless AP

Wireless Radio: Enable
SSID: TP-LINK_533B15
Region: United States
Warning: Ensure you select a correct country to conform local law. Incorrect settings may cause interference.

Channel: Auto
Mode: 11bgn mixed
Channel Width: Auto

Security Options:
○ Disable Security
● WPA-PSK/WPA2-PSK
PSK Password: C1533B15
(You can enter ASCII characters between 8 and 63 or Hexadecimal characters between 8 and 64.

Back   Next

⚠ Note After the rebooting, reconnect to the network according to "**Instant Wireless Connection**".

② The target network's SSID will be automatically filled into the wireless setting page. Select the Security Mode and enter the Password. Click "**Next**" and then "**Reboot**".

Quick Setup - Wireless Client

SSID: TP-LINK_Network
MAC of AP: 94-0C-6D-2F-3C-BE Example:00-1D-0F-11-22-33
Region: United States
Warning: Ensure you select a correct country to conform local law. Incorrect settings may cause interference.

Survey
(Please choose Main AP's type of encryption,and input the wireless password)
Security Options: WPA-PSK/WPA2-PSK
WEP Key Index:
Authentication Type: Open System
PassWord: 123456789

Back   Next

⚠ Note After the rebooting, reconnect to the network according to "**Instant Wireless Connection**".
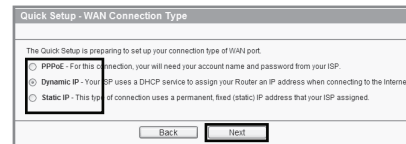

Router Mode

① Set your wireless parameters. If desired, you may change your SSID (Wireless Network Name), Security Options, or Password. Click "**Next**" and then "**Reboot**".

Quick Setup - Wireless AP

Wireless Radio: Enable
SSID: TP-LINK_533B15
Region: United States
Warning: Ensure you select a correct country to conform local law. Incorrect settings may cause interference.

Channel: Auto
Mode: 11bgn mixed
Channel Width: Auto

Security Options:
○ Disable Security
● WPA-PSK/WPA2-PSK
PSK Password: C1533B15
(You can enter ASCII characters between 8 and 63 or Hexadecimal characters between 8 and 64.

Back   Next

⚠ Note After the rebooting, reconnect to the network according to "**Instant Wireless Connection**".

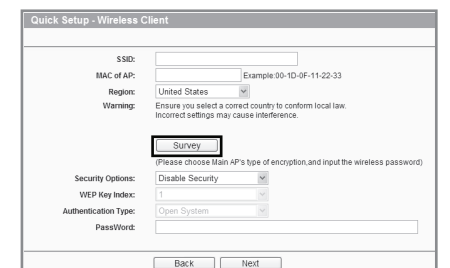**②** Choose your WAN Connection Type:
- If you select **PPPoE**, then enter the User Name and Password given to you by your ISP, and click "**Next**".
- If you select **Dynamic IP**, then select YES to clone the MAC, if you are using a cable modem, and click "**Next**".
- If you select **Static IP**, then enter the IP Address and Subnet Mask given to you by your ISP, and click "**Next**".
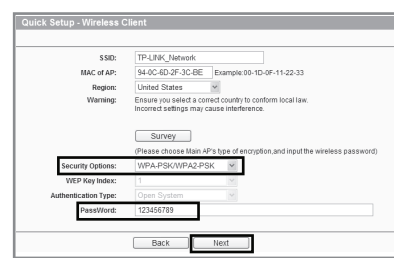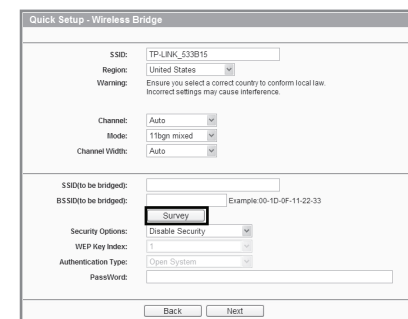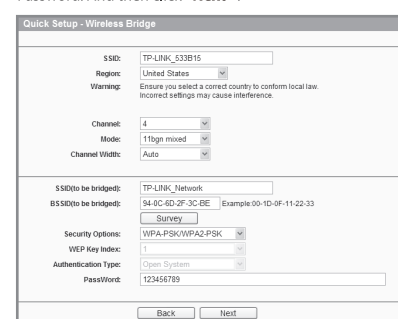
Quick Setup - WAN Connection Type

The Quick Setup is preparing to set up your connection type of WAN port.
○ PPPoE - For this connection, your will need your account name and password from your ISP.
○ Dynamic IP - Your ISP uses a DHCP service to assign your Router an IP address when connecting to the Internet.
○ Static IP - This type of connection uses a permanent, fixed (static) IP address that your ISP assigned.

Back   Next

Repeater/Client Mode

The examples illustrated below are from Client Mode, but the procedure is similar for Repeater Mode.

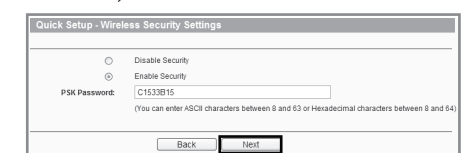**①** Click "**Survey**" button to find the available wireless networks. Then select the SSID of your target network and click "**Connect**".

Quick Setup - Wireless Client

SSID:
MAC of AP: Example:00-1D-0F-11-22-33
Region: United States
Warning: Ensure you select a correct country to conform local law. Incorrect settings may cause interference.

Survey
(Please choose Main AP's type of encryption,and input the wireless password)
Security Options: Disable Security
WEP Key Index:
Authentication Type: Open System
PassWord:

Back   Next

Bridge Mode

① Click "**Survey**" button to find the available wireless networks. Then select the SSID of your target network and click "**Connect**".

Quick Setup - Wireless Bridge

SSID: TP-LINK_533B15
Region: United States
Warning: Ensure you select a correct country to conform local law. Incorrect settings may cause interference.

Channel: Auto
Mode: 11bgn mixed
Channel Width: Auto

SSID(to be bridged):
BSSID(to be bridged): Example:00-1D-0F-11-22-33
Survey
Security Options: Disable Security
WEP Key Index:
Authentication Type: Open System
PassWord:

Back   Next

② The target network's SSID will be automatically filled into the wireless setting page. Select the Security Mode and enter the Password. And then click "**Next**" .

Quick Setup - Wireless Bridge

SSID: TP-LINK_533B15
Region: United States
Warning: Ensure you select a correct country to conform local law. Incorrect settings may cause interference.

Channel: 4
Mode: 11bgn mixed
Channel Width: Auto

SSID(to be bridged): TP-LINK_Network
BSSID(to be bridged): 94-0C-6D-2F-3C-BE Example:00-1D-0F-11-22-33
Survey
Security Options: WPA-PSK/WPA2-PSK
WEP Key Index:
Authentication Type: Open System
PassWord: 123456789

Back   Next

③ This page is for setting wireless security of your own AP. When computers and mobile phones are connected to the AP, they should input the same password. It is recommended strongly to enable security. Click "**Next**" and then "**Reboot**".

Quick Setup - Wireless Security Settings

○ Disable Security
● Enable Security
PSK Password: C1533B15
(You can enter ASCII characters between 8 and 63 or Hexadecimal characters between 8 and 64.

Back   Next

Appendix 1: Repeater Mode

Optimization Guide

When choosing an ideal location to optimize the performance of repeater mode, please keep the points below in mind.

● **The Best Way is Half-Way**

Generally, the ideal location for your TL-WR702N is half-way between your wireless router and your Wi-Fi enabled devices. If that is not possible, placing the TL-WR702N closer to your wireless router will ensure stable performance.

● **Less Obstacles = Better Performance**

Try to choose a location that will minimize the number of obstacles between the TL-WR702N and your wireless router. Open corridors or other spacious locations will typically provide better conditions for performance than a crowded room.

● **Less Interference = More Stability**

Try to choose a location that minimizes interference from devices operating on the same wireless frequency, such as cordless phones bluetooth devices, and microwave ovens.


Appendix 2: Troubleshooting

① **What can I do if I forget my password?**

- Restore the TL-WR702N to its factory default settings (see below).
- To log in the Web Management page, use the default user name and password: admin, admin.
- To connect to the Wireless Network, use the default password on the label.
- Try to configure your Router once again by following the instructions in the previous steps of the QIG.

② **How do I restore my TL-WR702N to factory default settings?**

With the Router powered on, use a pin to press and hold the Reset button for about 5 seconds.
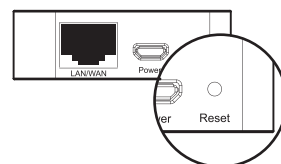
⚠ Note Upon reset, the device will clear all previous configurations and **default to AP mode.**

③ **I cannot access Internet via my Cable Modem. What do I do?**

Set the TL-WR702N to Router Mode according to **Operating Mode Configuration**.

Reset the cable modem by powering it off, and then powering it back on. Wait until its ONLINE LED is solid. Next, unplug the TL-WR702N and plug it back in. This will allow you to access Internet in most cases.

④ **What can I do if my wireless keeps dropping?**

By default, your wireless channel setting is set to "auto". This setting causes the TL-WR702N to select the least congested channel between 1 and 11, allowing you to achieve the best performance.

You may be experiencing frequent wireless drops due to an often changing channel setting. In this case, setting your wireless channel setting to a static channel between 1 and 11 will prevent the wireless frequency from changing, and likely stabilize your network connection.

⑤ **The TL-WR702N is on and I am connected, but I cannot access the Web Management Page through my browser.**

You need change your computer's configuration settings to "obtain an IP address automatically" and "obtain DNS server address automatically."

Please refer to the instructions below:

For Windows 7:
- Go to **Start -> Control Panel -> View network status and tasks -> Change adapter settings.**
- Right click "**Wireless Network   Connection**"or "**Local Area Connection**", and select "**Properties**".
- Double click "**Internet Protocol Version 4 (TCP/IPv4)**" in the list.
- Set the TCP/IP Protocol to "**Obtain an IP address automatically**", then click **OK**.

For Windows 8:
- Go to **Metro Interface -> Control Panel -> View network status and tasks -> Change adapter settings**.
- Right click "**Wireless Network   Connection**"or "**Local Area Connection**", and select "**Properties**".
- Double click "**Internet Protocol Version 4 (TCP/IPv4)**" in the list.
- Set the TCP/IP Protocol to "**Obtain an IP address automatically**", then click **OK**.

Appendix 2: Troubleshooting (Continued)

For Mac OS:
- Click the **Apple** icon on the upper left corner of your screen.
- Go to **System Preferences -> Network**.
- Select "**Airport**" from the left menu bar and then click "**Advanced**" for wireless configuration, or "**Ethernet**" for wired configuration.
- Set "**Configure IPv4**" to "**Using DHCP**", then click "**Apply**".

⑥ **What can I do if my signal strength is low?**

Low signal strength can be caused by obstruction from walls or objects. If you are receiving low signal strength, try to place your TL-WR702N in a higher location, keeping it away from obstructed locations like under or behind a desk.

Generally speaking, putting your TL-WR702N in a location central to your home will maximize your signal coverage.

⑦ **What can I do if I want to switch the Operating Mode or change some settings?**

In any time if you want to change the Operating Mode, please refer to the "**Operating Mode Configuration**" Section to change the mode. You may also change any settings via the Web management page.