tp-link

Quick Installation Guide

Portable 3G/4G Wireless N Router

`TL-MR3020`

7106507339   REV3.0.0

EAC

Determine Operation Mode

Refer to the following scenarios to determine an appropriate operation mode.

Mode Switch	Operation Mode	Scenario
3G/4G	3G/4G Router	I want to share the 3G/4G network with my local devices.
WISP	WISP Client Router	I want to have internet access from a wireless internet service provider (WISP), and share the internet with local devices.
AP	Access Point	I want to access the internet wirelessly, but only a wired network is available.
	Repeater/Bridge	I want to extend my existing wireless network and connect a wired-only device to the internet.

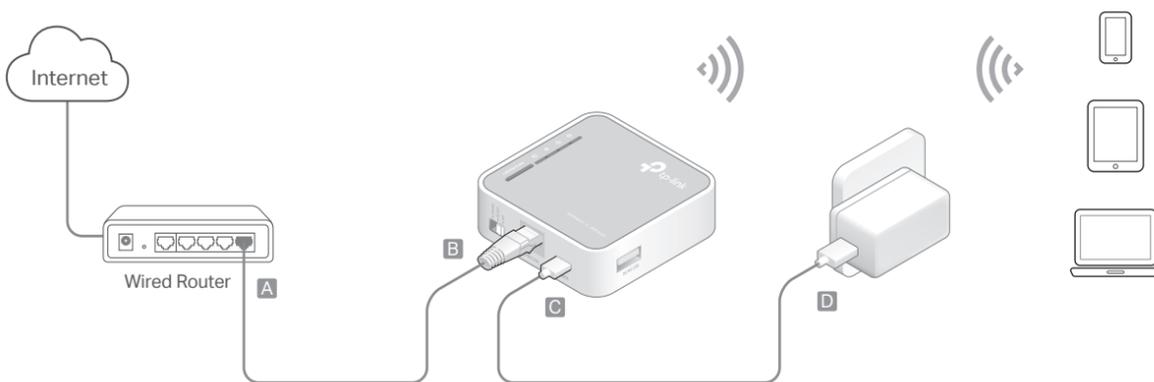---

Configure the Router

• 3G/4G Router

3G/4G USB Modem

1. Switch the operation mode to **3G/4G** and connect the hardware according to the left diagram.
2. Connect your device to the router wirelessly. The SSID (wireless network name) and password are on the router's label.
3. Enter **http://tplinkwifi.net** in a web browser and create a password for future logins.
4. Go to **Quick Setup**, select your **Time Zone** and click **Next**. Select **3G/4G Router Mode** and click **Next**.
   Note: For details about other modes, please refer to the User Guide at www.tp-link.com.
5. Select your **Mobile ISP** or manually set them if your ISP is not listed. Then click **Next**.
6. Either customize your **Network Name (SSID)** and **Password** or keep the default ones, and then click **Next**.
7. Click **Finish** to apply the configuration.

> ⓘ If you have changed the default SSID and password, you have to reconnect your wireless devices to the new Wi-Fi network.
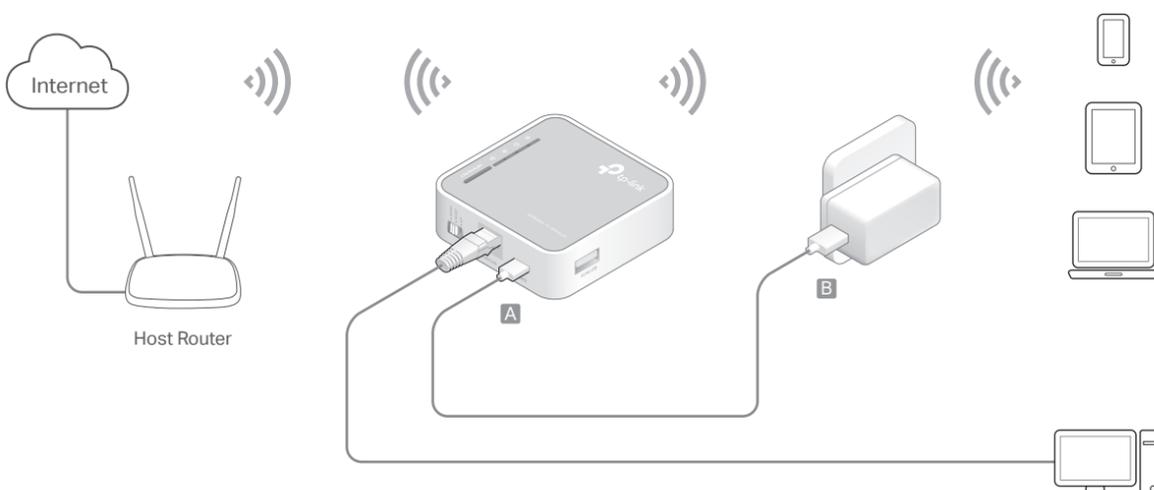
• Access Point

Internet

Wired Router

1. Switch the operation mode to **AP** and connect the hardware according to the left diagram.
2. Connect your device to the router wirelessly. The SSID (wireless network name) and password are on the router's label.
3. Enter **http://tplinkwifi.net** in a web browser and create a password for future logins.
4. Select your **Time Zone** and click **Next**.
5. Select **Access Point Mode** and click **Next**.
6. Either customize your **Network Name (SSID)** and **Password** or keep the default ones, and then click **Next**.
7. Click **Finish** to apply the configuration.

> ⓘ If you have changed the default SSID and password, you have to reconnect your wireless devices to the new Wi-Fi network.
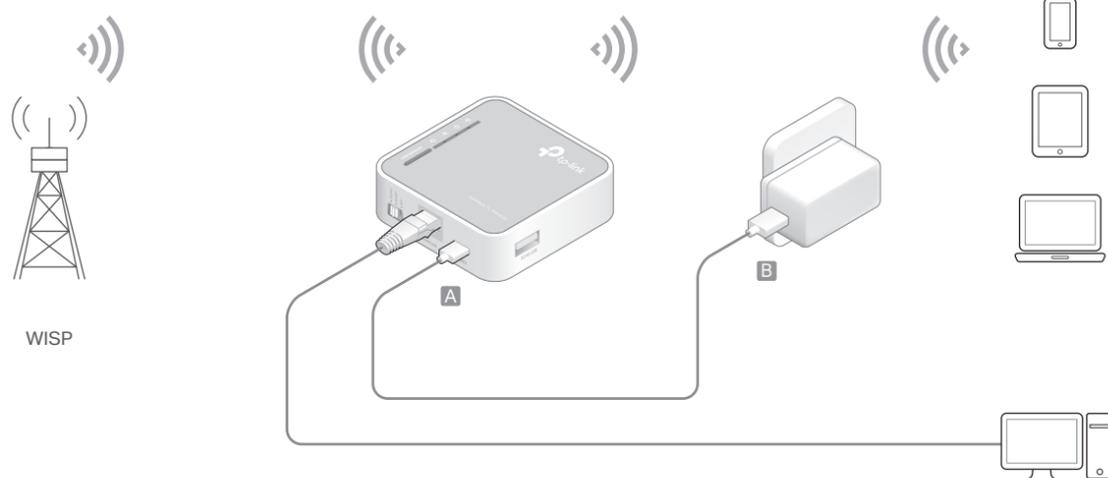
• Repeater/Bridge

Internet

Host Router

1. Switch the operation mode to **AP** and connect the hardware according to the left diagram.
2. Connect your device to the router wirelessly or via an Ethernet cable. The SSID (wireless network name) and password are on the router's label.
3. Enter **http://tplinkwifi.net** in a web browser and create a password for future logins.
4. Select your **Time Zone** and click **Next**.
5. Select **Repeater/Bridge Mode** and click **Next**.
6. Click **Scan** to find the network you want to extend. Enter the **Password** for the selected wireless network if it is encrypted.
7. Either customize your **Network Name (SSID)** and **Password** or keep the default ones, and then click **Next**.
8. Click **Save** to apply the configuration .
9. Relocate the router about halfway between your host router and the Wi-Fi dead zone.

> ⓘ If you have changed the default SSID and password, you have to reconnect your wireless devices to the new Wi-Fi network.

• WISP Client Router

WISP

1. Switch the operation mode to **WISP** and connect the hardware according to the left diagram.
2. Connect your device to the router wirelessly or via an Ethernet cable. The SSID (wireless network name) and password are on the router's label.
3. Enter http://tplinkwifi.net in a web browser and create a password for future logins.
4. Select your **Time Zone** and click **Next**.
5. Click **Scan** to find the corresponding network of your WISP. Enter the **Password** for the selected wireless network if it is encrypted.
6. Select **Internet Connection Type** and enter corresponding parameters. Then click **Next**.
7. Either customize your **Network Name (SSID)** and **Password** or keep the default ones, and then click **Next**.
8. Click **Finish** to apply the configuration.

> ⚠ If you have changed the default SSID and password, you have to reconnect your wireless devices to the new Wi-Fi network.

Hardware Information

LEDs:

LED	Status	Indication
⏻ (Power)	On	The router is on.
	Off	The router is off.
⊘ (Internet)	On	The internet is available.
	Off	The internet is unavailable.
🛜 (Wireless)	On	The wireless network is enabled.
	Off	The wireless network is disabled.
🖥 (WAN/LAN)	On	The Ethernet port is connected.
	Off	The Ethernet port is not connected.
WPS/RESET	Flashing	WPS connection is being established.
	On	WPS connection has been established.
	Off	No WPS connection is established.

Ports & Buttons:

Port/Button	Description
Mode Switch	This switch is used to determine the operation mode of the router.
WAN/LAN	LAN: 3G/4G (3G/4G Router), WISP, Access Point Mode, Repeater/Bridge Mode.
	WAN: 3G/4G (3G/4G Router Mode With Ewan Backup, Wireless Router Mode, Wireless Router Mode With 3G/4G Backup).
Power	The port is used to connect to the power adapter.
WPS/RESET	To establish WPS connection, press the WPS button on your device and then press the WPS/RESET button on this router. To reset the router, press and hold this button until all the LEDs turn on and then release it.
3G/4G USB	This port is used to plug a 3G/4G USB modem into.

FAQ (Frequently Asked Questions)

Q1. What should I do if I forget my web management password?
- Refer to FAQ > Q3 to reset the router, and then create a password for future logins.

Q2. What shoudl I do if I can't access the web management page?
- If the computer is set to a static or fixed IP address, change the settings to obtain an IP address automatically.
- Verify that http://tplinkwifi.net is correctly entered in the web browser. Alternatively, enter http://192.168.1.1.
- Use another web browser and try again.
- Reset your router to its factory default settings (FAQ > Q3) and try again.
- Disable and then enable the network adapter in use.

Q3. How do I restore the router to its factory default settings?
- With the router powered on, press and hold the WPS/RESET button until all the LEDs turn on and then release the button.

Q4. What should I do if I can't access the internet with an identified 3G/4G USB modem?
- Insert a suited SIM/UIM card into the 3G/4G USB modem correctly.
- Plug your 3G/4G USB modem directly into your PC and disable the PIN verification via the modem utility.
- Verify that the 3G/4G USB modem works well on your PC.
- Consult your ISP for the latest dial number and APN (Access Point Name), and correct the preset information manually.

Q5. What should I do if the "Unknown Modem" message displays?
- Visit www.tp-link.com and go to Support > Compatibility List. And check whether your 3G/4G USB modem is on the **3G/4G Compatibility List**. If the latest firmware or bin file doesn't support your modem, please contact our technical support.

Q6. How do I update the firmware of the router?
1. Go to the product page of TL-MR3020 at www.tp-link.com, click **Support > Firmware** and download the the latest firmware.
2. Connect your computer to the router via an Ethernet cable (recommended) or wirelessly.
3. Log in to the web management page and go to **Advanced** (or **Settings**) > **System Tools** > **Firmware Upgrade** to update the router.

📞 For technical support and other information, please visit http://www.tp-link.com/support