

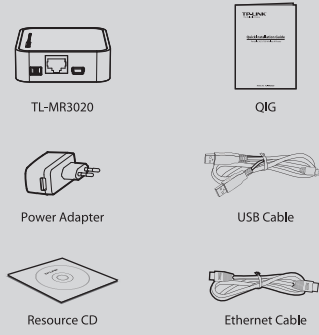
Quick Installation Guide

Portable 3G/3.75G Wireless N Router

MODEL NO. TL-MR3020

7106503665

Package Contents



System Requirement

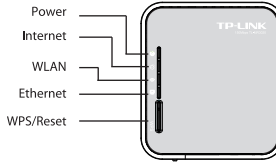
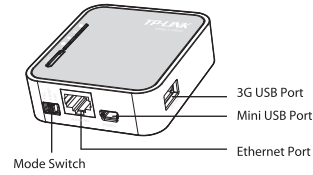
The following operating systems are supported:

- Windows XP
- Windows Vista
- Windows 7
- Windows 98
- Windows 2000
- Windows 2003
- Windows Me
- Mac
- Linux

The following browsers are supported:

- Microsoft Internet Explorer
- FireFox
- Safari

1 Physical Description



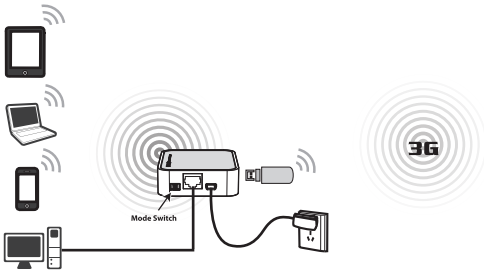
Item	Description
3G USB Port	This port is used to plug a 3G modem/card.
Mini USB Port	This port is used to connect the provided power adapter.
Ethernet Port	This port can be LAN or WAN port depending on the working mode.
Mode Switch	This button is used to switch the working mode of the Router.
WPS/Reset	To use WPS function, please push the button for less than 5 seconds, and then the WPS LED will flash; to reset the Router, please push the button for at least 10 seconds.

Item	Status	Description
Power	Solid	The Router is on.
	Off	The Router is off.
Internet	Solid	The Router is connected to the Internet, but there is no data being transferred.
	Flashing	The Router is transferring data.
	Off	The Router is not connected to the Internet.
WLAN	Solid	Wireless is enabled.
	Flashing	There is data being transferred through wireless.
Ethernet	Off	Wireless is disabled.
	Solid	The Ethernet port is connected, but there is no data being transferred.
Ethernet	Flashing	The Ethernet port is transferring data.
	Off	The Ethernet port is not connected.

2 Hardware Connection

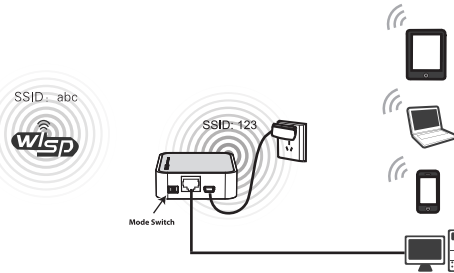
3G Router mode

Turn the **Mode Switch** on 3G Router mode. Then connect TL-MR3020, 3G modem/card and the computer as shown in the figure below.



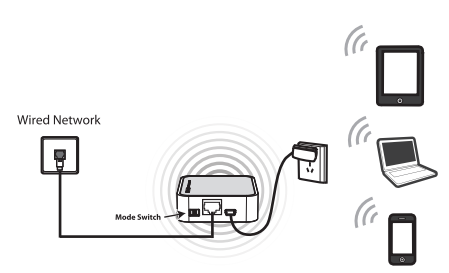
WISP mode

Turn the **Mode Switch** on WISP Client Router mode. Then connect TL-MR3020 and the computer as shown in the figure below.



AP mode

Turn the **Mode Switch** on AP mode. Then connect TL-MR3020 and the computer as shown in the figure below.



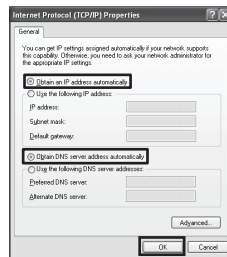
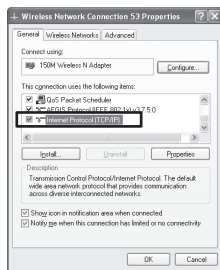
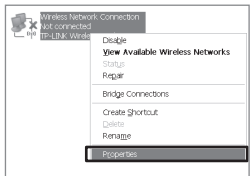
NOTE: 1. TL-MR3020 can be powered by Power Adapter or laptop/PC through the USB cable.
2. TL-MR3020 will restart automatically after you turn the Mode Switch.

3 PC Configuration

Here we take Wireless Network Connection as an example. Please make sure you have install a wireless network adapter. You can also go to Local Area Connection to configure the PC for wired network connection, and then go to Step 5 to configure the router.

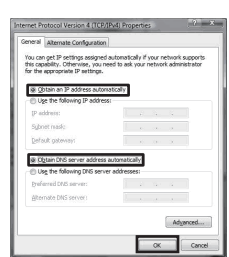
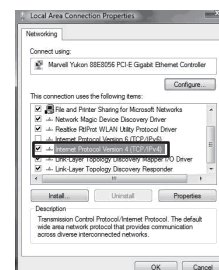
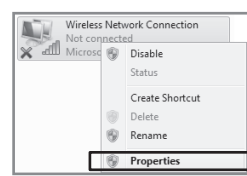
For Windows XP

- Go to **Start > Settings > Control Panel > Network and Internet Connections > Network Connections**. Right click **Wireless Network Connection**, and select **Properties**.
- Double click **Internet Protocol (TCP/IP)** in the item list.
- Select **Obtain an IP address automatically** and **Obtain DNS server address automatically**. Click **OK** to finish the settings.



For Windows 7

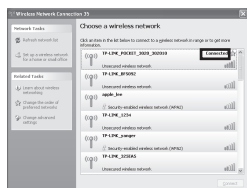
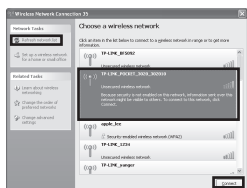
- Go to **Start > Settings > Control Panel > View network status and tasks > Manage network connection**. Right click **Wireless Network Connection**, and select **Properties**.
- Double click **Internet Protocol Version 4 (TCP/IPv4)** in the item list.
- Select **Obtain an IP address automatically** and **Obtain DNS server address automatically**. Click **OK** to finish the settings.



4 Connect to Network

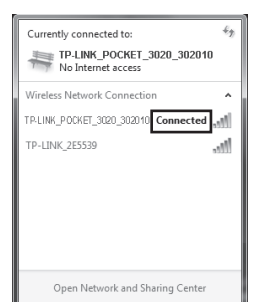
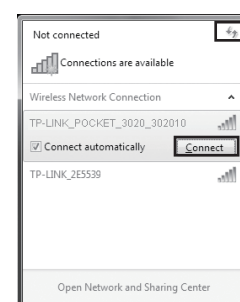
For Windows XP

- Click the icon at the bottom of your desktop.
- Click **Refresh network list**, and then select the SSID (network name) of TL-MR3020. Click **Connect**.
- You've successfully connected to the wireless network.



For Windows 7

- Click the icon at the bottom of your desktop.
- Click refresh button, and then select the target network. Click **Connect**.
- You've successfully connected to the wireless network.



NOTE: The default SSID of the network is **TP-LINK_POCKET_3020_XXXXXX**. (The XXXXXX is the last six characters of the Router's MAC address.)

5 Router Configurations

1 Open a Web browser, type **192.168.0.254** in the address field, and press **Enter**. At the prompt, enter the default **User Name** and **Password: admin**. Click **OK** to enter the Router's management page.

2 After a successful login, please configure the Router according to the working mode you choose.

NOTE: For your convenience, TL-MR3020 will keep the following two items when you switch the working mode:

1. WAN information (Internet information), such as the User name and Password of 3G ISP and PPPoE, the Dynamic IP address setting, etc.
2. Wireless settings, such as SSID (Wireless Network Name), Key Type and Password.

3G Router mode

1 Go to **Status** and check the 3G status. When the 3G USB Modem is identified, go to the next step.

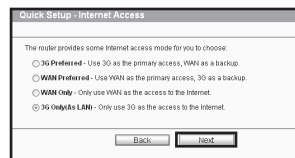


2 Go to **Quick Setup** and click **Next**.

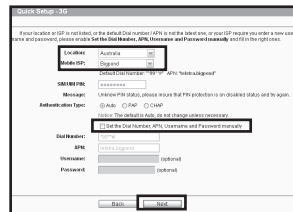


3 Choose the Internet Access type, and then click **Next**.

- 3G Preferred - Use 3G as the primary access, WAN as a backup. The Ethernet port is used as WAN port.
- WAN Preferred - Use WAN as the primary access, 3G as a backup. The Ethernet port is used as WAN port.
- WAN Only - Only use WAN as the access to the Internet. The Ethernet port is used as WAN port.
- 3G Only (As LAN) - Only use 3G as the access to the Internet. The Ethernet port is used as LAN port.

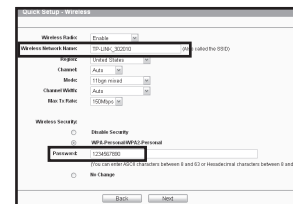


4 Select your location and Mobile ISP. You can tick **"Set the Dial Number, APN, Username and Password manually"** to manually set them according to the information your 3G ISP provided. Then click **Next**.



5 Set your wireless parameters. It's recommended that you edit the following two items, and then click **Next**.

- 1) Create a unique and easy-to-remember **Wireless Network Name**.
- 2) Select **WPA-Personal/WPA2-Personal** under **Wireless Security** and enter a password in the field.



6 Click **Reboot** to make the settings take effect.



NOTE:

After the rebooting, please reconnect to the network according to **Step 4 Connecting to Network**. If Wireless Security is enabled, you need to enter the password you've just set to successfully finish the connecting.

WISP mode

1 Go to **Quick Setup** and click **Next**.

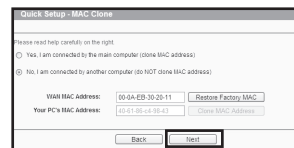


2 Choose your WAN Connection type and click **Next** to continue.



b) If **Dynamic IP** is selected, set the **MAC Clone** page and click **Next**.

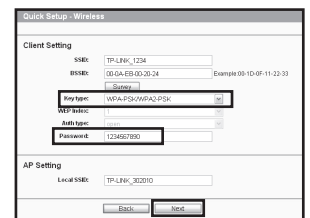
If you are visiting the Router from the main computer, please select **Yes**, and click **Clone MAC Address**. If you are visiting the Router from another computer, rather than the main computer, please select **No**, and enter the main computer's MAC address.



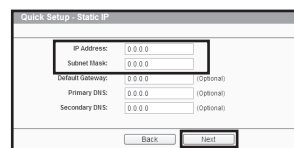
3 Click **Survey** button to find the available wireless networks.



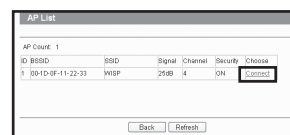
5 The SSID and BSSID will be automatically filled into the wireless setting figure. Select the **Key type** and enter the **Password**. Then click **Next**.



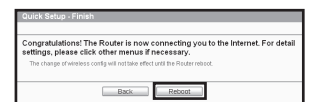
c) If **Static IP** is selected, please enter the **IP Address** and **Subnet Mask** given by your WISP. Then click **Next**.



4 Select the SSID of your target network and click **Connect**.



6 Click the **Reboot** button to make your wireless configuration take effect and finish the Quick Setup. (You're recommended to go to **Wireless > Wireless Security** to set up the wireless security.)



NOTE: After the rebooting, please reconnect to the network according to **Step 4 Connecting to Network**. If Wireless Security is enabled, you need to enter the password you've just set to successfully finish the connecting.

AP mode

Mostly, your notebook/PC can go to Internet now, because in the default AP mode, you don't have to configure the TL-MR3020. If you can't surf the Internet, please ask the network manager for the IP address/Internet connection. For more information, please refer to the User Guide included on the Resource CD.

Troubleshooting

What should I do if no LEDs light up when the power adapter is plugged into the router?

- (1) Check to make sure that the electrical outlet has power.
- (2) Make sure that the power adapter is securely connected to the router and the electrical outlet.

What should I do if I don't know or forget my login password?

- (1) Restore the Router's configuration to its factory default settings. With the Router powered on, press and hold the WPS/Reset button on the rear panel for at least 10 seconds before releasing it.
- (2) Use the default user name and password: admin, admin.
- (3) Try to configure your router once again by following the previous steps of the QIG.

Why I cannot change the Parameters in the WAN menu?

- (1) Check the "Internet Access" mode, the default "3G Only" mode doesn't allow you to configure WAN connection.
- (2) Please try a "3G Preferred" mode, using 3G as the primary access, WAN as a backup.

What should I do when the "Unknown Modem" message displays?

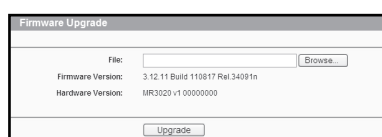
- (1) Please check and make sure that your 3G USB modem is on our Compatibility List: <http://www.tp-link.com/common/73g>
- (2) If your 3G USB modem is on our list but the router shows "Unknown Modem", please go to our website to download the latest firmware and upgrade the router.
- (3) If the latest firmware cannot support your modem, please contact our technical support.

What should I do if I cannot get Internet access with an identified 3G USB modem?

- (1) Please insert a suited SIM/UIM card into the 3G USB modem correctly.
- (2) Please plug your 3G USB modem directly into your PC and disable the PIN verification from modem utility.
- (3) Please verify that your Internet connection is working on your PC.
- (4) Ask your ISP for the latest dial number and APN, correct the pre-set information manually.

What should I do if I want to update the firmware?

- (1) We're continuously testing newly emerged 3G modem worldwide to provide the best compatibility between our 3G router and the 3G USB modems. To enjoy the best user experience, we strongly suggest that you download the latest firmware from our website: <http://www.tp-link.com/en/support/download.aspx>.
- (2) Choose menu **"System Tools"** → **"Firmware Upgrade"**, you can update the latest version of firmware for the router on the following screen.



Technical Support

- For more troubleshooting help, go to www.tp-link.com/support/faq.aspx
- To download the latest Firmware, Driver, Utility and User Guide, go to www.tp-link.com/support/download.aspx
- For all other technical support, please contact us by using the following details:

Global
Tel: +86 755 26504400
E-mail: support@tp-link.com
Service time: 24hrs, 7days a week

Singapore
Tel: +65 62840493
E-mail: support.sg@tp-link.com
Service time: 24hrs, 7days a week

UK
Tel: +44 (0) 845 147 0017
E-mail: support.uk@tp-link.com
Service time: 24hrs, 7days a week

USA/Canada
Toll Free: +1 866 225 8139
E-mail: support.usa@tp-link.com
Service time: 24hrs, 7days a week

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Tel: +(62) 021 6259 135
E-mail: support.id@tp-link.com
Service time: Monday to Friday 9:00-12:00; 13:00-18:00
*Except public holidays

Switzerland
Tel: +41 (0)848 800998
E-mail: support.ch@tp-link.com
Fee: 4-8 Rp/min, depending on rate of different time
Service time: Monday to Friday 9:00 AM to 6:00 PM, GMT+1 or GMT+2 (Daylight Saving Time)

Australia & New Zealand
Tel: AU 1300 87 5465
NZ 0800 87 5465
E-mail: support@tp-link.com.au
Service time: 24hrs, 7 days a week

Turkey
Tel: 444 19 25 (Turkish Service)
E-mail: support.tr@tp-link.com
Service time: 9:00 AM to 6:00 PM, from Monday to Friday

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Tel: +49 1805 875465 (German Service) / +49 1805 TPLINK
E-mail: support.de@tp-link.com
Fee: 0.14 EUR/min from the German fixed phone network and up to 0.42 EUR/min from mobile phone.
Service Time: Monday to Friday 9:00 AM to 6:00 PM, GMT+1 or GMT+2 (Daylight Saving Time in Germany)
* Except bank holidays in Hesse