

Quick Installation Guide

Portable 3G/3.75G Wireless N Router

MODEL NO. TL-MR3020

Package Contents



TL-MR3020



QIG



Power Adapter



USB Cable



Resource CD



Ethernet Cable

System Requirement

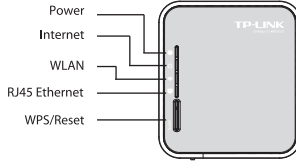
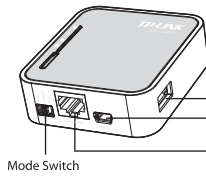
The following operating systems are supported:

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

The following browsers are supported:

- Microsoft Internet Explorer
- Safari
- Firefox

1 Physical Description



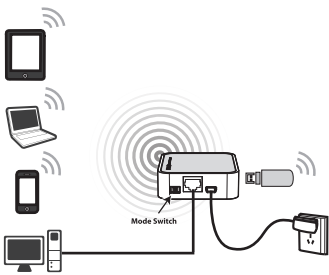
Item	Description
3G USB Port	This port is used to plug a 3G modem/card.
Mini USB Port	This port is used to connect the provided power adapter.
RJ45 Ethernet Port	This port can be LAN or WAN port depending on the working mode.
Mode Switch	This button is used to switch the working mode of the Router.
WPS/Reset	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.
WLAN	Off	The Router is not connected to the Internet.
	Solid	Wireless is enabled.
WLAN	Flashing	There is data being transferred through wireless.
	Off	Wireless is disabled.
RJ45 Ethernet	Solid	The Ethernet port is connected, but there is no data being transferred.
	Flashing	The Ethernet port is transferring data.
RJ45 Ethernet	Off	The Ethernet port is not connected.

2 Hardware Connection

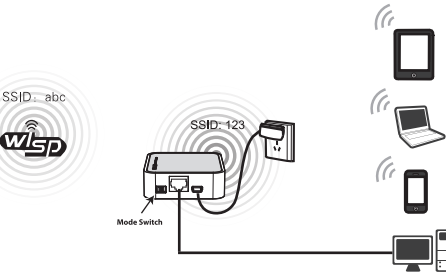
3G Router mode

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



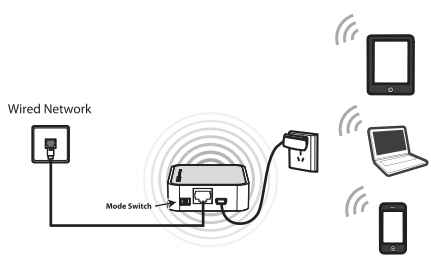
WISP mode

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



AP mode

Switch the **Mode Switch** to **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 switch the Mode Switch.

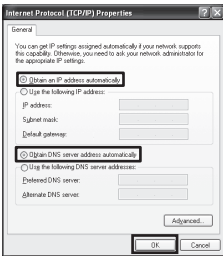
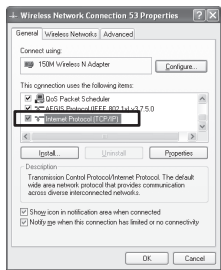
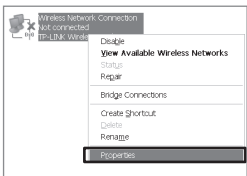
3 PC Configuration

Here we take Wireless Network Connection as an example. Please make sure you have installed a wireless network adapter.

You can also go to Local Area Connection to configure the PC for wired network connection, and then follow step **5 Router Configuration** to configure the Router.

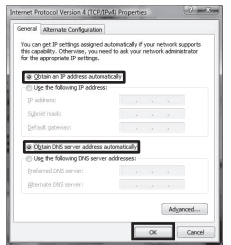
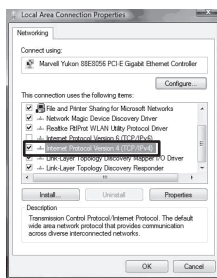
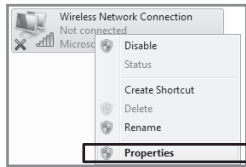
For Windows XP

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



For Windows 7

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

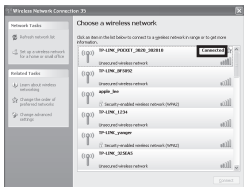
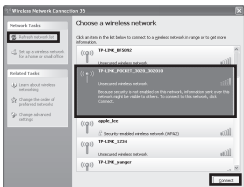


NOTE: In AP mode, the DHCP is disabled by default. You need to manually set the **IP address** as 192.168.0.X (1~253), and **Subnet mask** as 255.255.255.0.

4 Connecting to Network

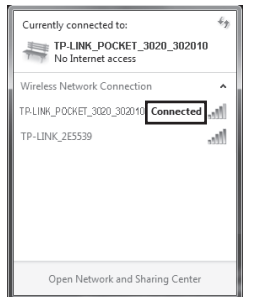
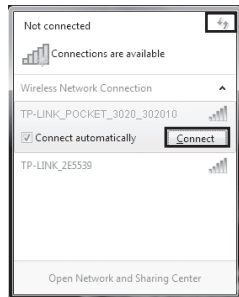
For Windows XP

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



For Windows 7

- 1 Click the icon at the bottom of your desktop.
- 2 Click refresh button, and then select the SSID (network name) of TL-MR3020. Click **Connect**.
- 3 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 Configuration

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.



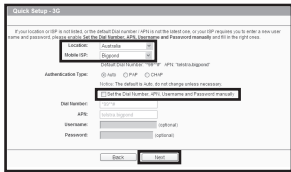
2 Go to **Quick Setup** and click **Next**.



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



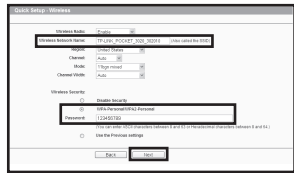
4 Select your **Location** and **Mobile ISP**. Then click **Next**.



• If your location or ISP is not listed, or the default Dial number/APN is not the latest one, or your ISP requires you to enter a new username and password; please tick **"Set the Dial Number, APN, Username and Password manually"** and set those values as your 3G ISP provided.

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.



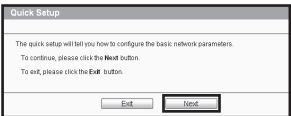
6 Click **Reboot** to make the settings take effect.



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

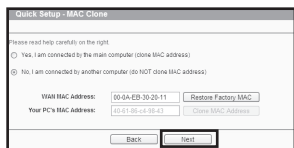
1 Go to **Quick Setup** and click **Next**.



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**.

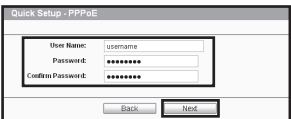
• If you are visiting the Router from another computer, rather than the main computer, please select **No**, and enter the main computer's MAC address in the **WAN MAC Address** field.



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



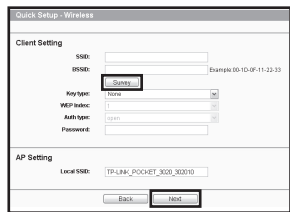
a) If **PPPoE** is selected, please enter the **User Name** and **Password** given by your WISP. Then click **Next**.



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



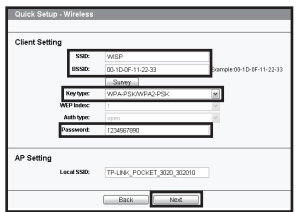
3 Click **Survey** button to find the available wireless networks.



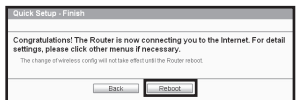
4 Select the SSID of your target network and click **Connect**.



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



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

There are four types of wireless operation mode available under AP mode: **Access Point(AP)**, **Reapter**, **Bridge with AP**, and **Client**.

You can use its default mode, **Access Point**, without any further configuration on the web-based management page.

While, if you want to use the other three modes, please refer to the User Guide included on the resource CD for their detailed configuration on the web-based management page.

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 this 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?

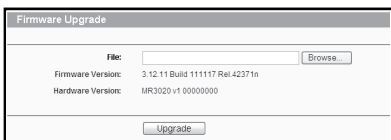
- (1) Please check and make sure that your 3G USB modem is on our Compatibility List: <http://www.tp-link.com/common/73g>
- (2) If your 3G USB modem is on our list but the Router shows "Unknown Modem", please go to our website to download the latest firmware and upgrade the Router.
- (3) If the latest 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 via 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	Italy Tel: +39 02 66987799 E-mail: support.it@tp-link.com Service time: 9:00 AM to 6:00 PM, 9:00 - 12:00 - 13:00 - 18:00, from Monday to Friday
Singapore Tel: +65 62840493 E-mail: support.sg@tp-link.com Service time: 24hrs, 7days a week	Ukrainian Tel: +380 (44) 590-51-14 E-mail: support.ua@tp-link.com Service time: Monday to Friday 14:00 PM to 22:00 PM
UK Tel: +44 (0) 845 147 0017 E-mail: support.uk@tp-link.com Service time: 24hrs, 7days a week	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
Malaysia Tel: 1300 88 875465 (1300 88TPLINK) E-mail: support.my@tp-link.com Service time: 24 hrs a day, 7days a week	Indonesia 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
USA/Canada Toll Free: +1 866 225 8139 E-mail: support.usa@tp-link.com Service time: 24hrs, 7days a week	Russian Federation Tel: 8 (495) 223-55-60 8 (800) 225-55-60 E-mail: support.ru@tp-link.com Service time: Monday to Friday 08:00 AM to 08:00 PM, *Except weekends and holidays in Russian Federation
Turkey Tel: 444 19 25 (Turkish Service) E-mail: support.tr@tp-link.com Service time: Monday to Saturday 08:00 AM to 08:00 PM	Germany / Austria 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
Switzerland Tel: +41 (0)848 800998 (German service) 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)	