TP-LINK®
The Reliable Choice

Quick Installation Guide

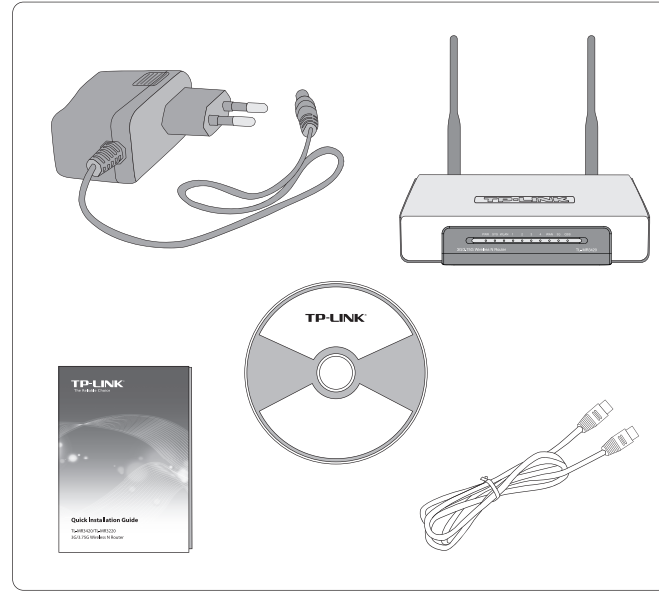TL-MR3420/TL-MR3220
3G/3.75G Wireless N Router

1 Package Contents

The product model shown in this QIG is TL-MR3420, as an example.

System Requirement

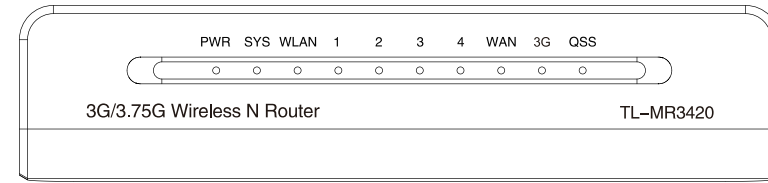The following operating systems are supported:

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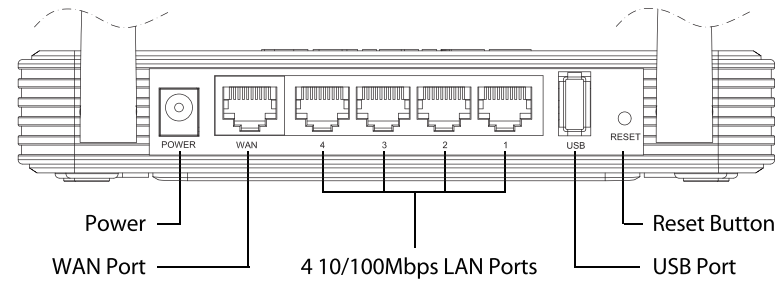- Mac
- Linux

The following browsers are supported:

- Microsoft Internet Explorer
- FireFox
- Safari
- Chrome

2 Physical Description

• Front Panel

PWR   SYS WLAN   1   2   3   4   WAN   3G   QSS

3G/3.75G Wireless N Router   TL–MR3420

• Back Panel

POWER   WAN   4   3   2   1   USB   RESET

- Power
- WAN Port
- 4 10/100Mbps LAN Ports
- Reset Button
- USB Port

| Item	Description
PWR	• **On**. The electrical power is on. • **Off**. There is no electrical power.
SYS	• **On**. The Router is initializing. • **Flashing**. The Router is working properly. • **Off**. The Router has a system error.
WLAN	• **Flashing**. The wireless function is enabled. • **Off**. The wireless function is disabled.
WAN, LAN 1~4	• **On**. A device is linked to the corresponding port. • **Flashing**. There is data being received or sent on the corresponding button. • **Off**. There is no device linked to the corresponding port.
3G	• **On**. The USB 3G/3.75G modem is connected. • **Flashing**. Data is being received/sent through the 3G/3.75G modem. • **Off**. There is no device linked to the USB port.
QSS	• **Slow Flash**. A wireless device is connecting to the network. This process will last in the first 2 minutes. • **On**. A wireless device has been successfully added to the network. • **Quick Flash**. A wireless device failed to be added to the network. • **Off**. QSS function is disabled.

3 Hardware Connection

The router supports both 3G/3.75G and WAN connection. If both the 3G/3.75G USB Modem and WAN port are connected, the 3G/3.75G router will choose one of them to access the Internet according to your configuration. For detailed information, please refer to Step 3 in Part 5 Router Configuration.

Connect the 3G/3.75G Router to 3G/3.75G network

❶ Connect the notebook/PC to the LAN port of 3G/3.75G router with an Ethernet Cable.

❷ Plug the Power Adapter into the power jack.

❸ Insert 3G/3.75G USB modem into the USB port. (Ensure the SIM card is in the modem.)

- SOCKET
- 3G/3.75G Network
- 3G/3.75G Router
- POWER WAN 4 3 2 1
- Notebook
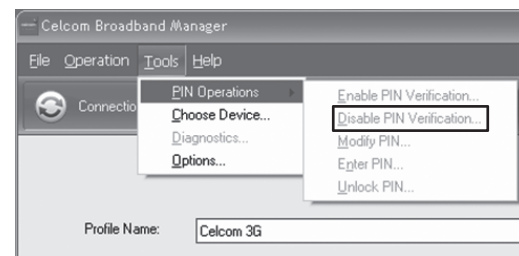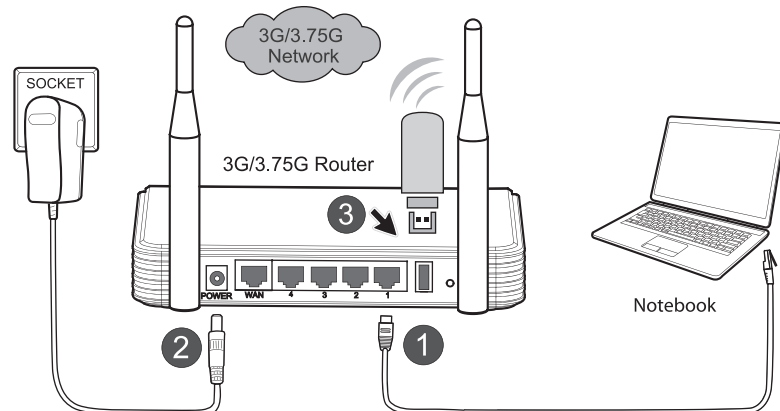
Note

1. Before inserting the 3G/3.75G USB modem, we strongly recommend you to disable the PIN Verification of your SIM/UIM card.

2. To disable the PIN Verification, you can run the modem utility. Please go to "My computer" and double click the device to install the utility first and then select "**Tools**" →"**PIN Operations**" → "**Disable PIN Verification...**" as shown above.

Connect the 3G/3.75G Router to WAN network

❶ Connect the notebook/PC to the LAN port of 3G/3.75G router with an Ethernet cable.

❷ Plug the Power Adapter in to the power jack.

❸ Connect the 3G/3.75G router's WAN port and the ADSL modem's LAN port with an Ethernet Cable.

- ADSL Modem
- LAN LINE
- SOCKET
- 3G/3.75G Router
- POWER WAN 4 3 2 1
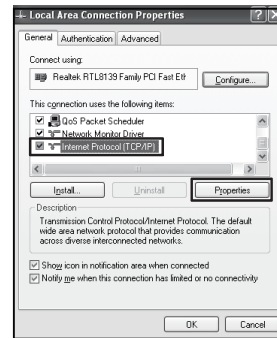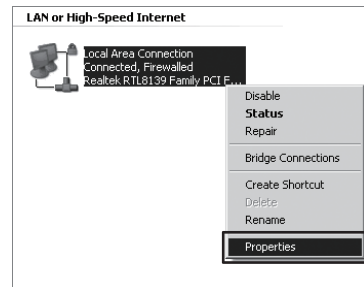- Notebook
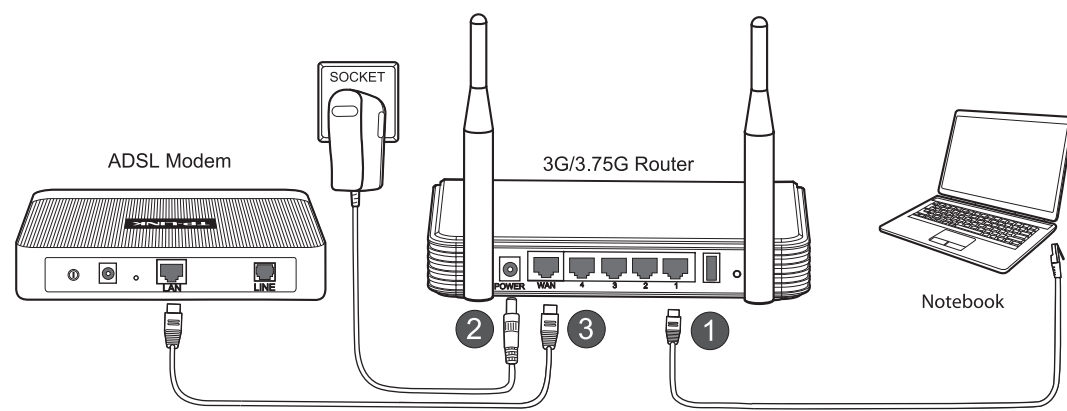
Warning

1. We recommend you to use only the Power Adapter provided with the device.

2. Place the device on the level and stable surface.

3. Unplug the Power Adapter in the thunder storm to avoid damage.

4. Place the device in a well ventilated place far from any heater or heating vent.

5. Keep the router far from the water to avoid damage.

Before setting up the TP-LINK 3G/3.75G Wireless N Router, make sure your PCs are configured to "Obtain an IP address automatically."
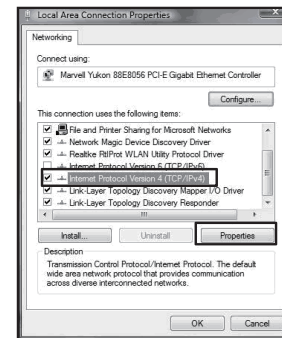
❶ For Windows XP/2000: Click "**Start**" → "**Control Panel**" → "**Network and Internet Connections**" → "**Network Connections**".

For Windows Vista / Windows 7: Click "**Start**" → "**Setting**" → "**Control Panel**" → "**View network status and tasks**" → "**Manage network connection**".

❷ Right-click "**Local Area Connection**", then click "**Properties**".

❸ Select the "**Internet Protocol (TCP/IP)**"/"**Internet Protocol Version 4 (TCP/IPv4)**" and click the "**Properties**".
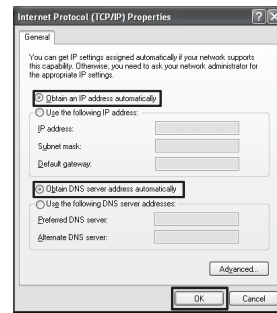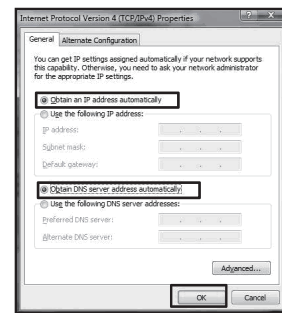
For Windows XP/2000   For Windows 7/Vista

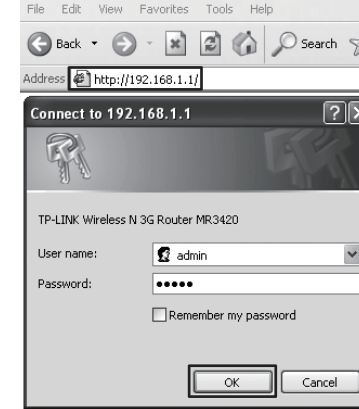**❹** Select "**Obtain an IP address automatically**" and "**Obtain DNS server address automatically**". Then click "**OK**".
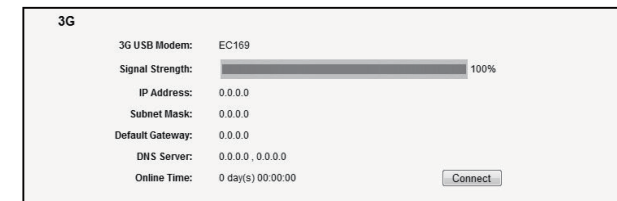
For Windows XP/2000   For Windows 7/Vista

❶ Open web browser, type in **http://192.168.1.1/**, press Enter, then enter the User name and Password (**admin /admin**) and click "**OK**".

❷ The "**Status**" web page will display after a successful login. Please check if your 3G/3.75G USB modem can be recognized or not. After the USB modem is recognized successfully, you will see the following screen.

3G	
3G USB Modem:	EC169
Signal Strength:	100%
IP Address:	0.0.0.0
Subnet Mask:	0.0.0.0
Default Gateway:	0.0.0.0
DNS Server:	0.0.0.0 , 0.0.0.0
Online Time:	0 day(s) 00:00:00

❸ Click "**Quick Setup**" menu and then "**Next**". Select one mode to access to the Internet, then click "**Next**".
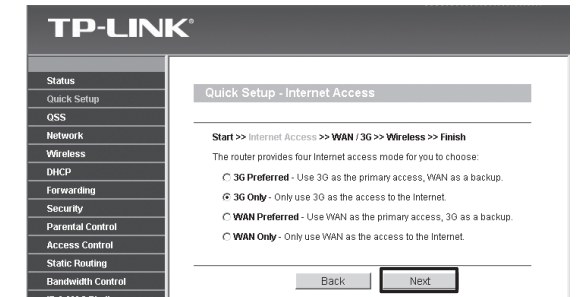
❹ Select your location and ISP, or manually fill in the information for the 3G connection, including "Dial Number", "APN", "Username" and "Password", which are provided by your 3G ISP, then click "**Next**".
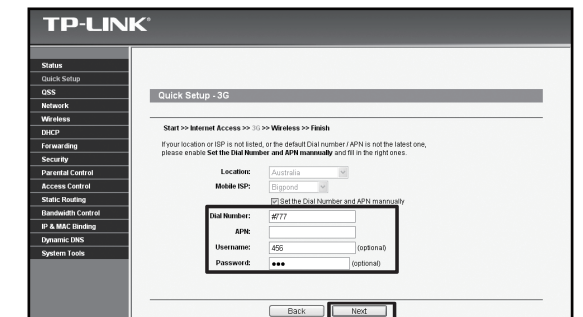
❺ Set your Wireless Parameter, TP-LINK strongly recommends you to edit the following two items, then click "**Next**".
1. Create a unique and easy to remember SSID for your wireless network. You can also keep default settings.
2. Select the "**WPA-PSK/WPA2-PSK**", and enter a Security Key using 8 characters or more (numbers or letters) in the PSK Password field.
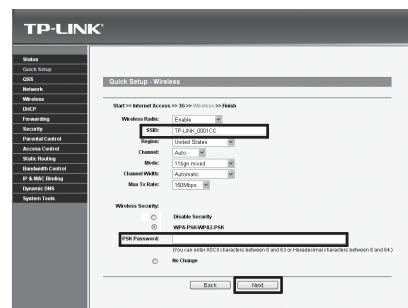
❻ Click "**Reboot**" to complete the quick setup. Please note that if there is nothing changed on Wireless page, the "**Reboot**" button will be replaced by "**Finish**".
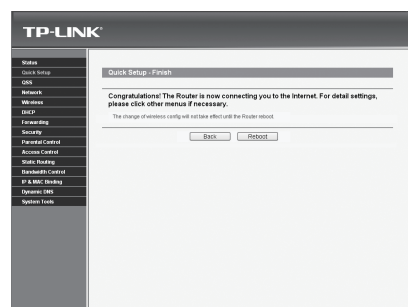
Congratulations! You can enjoy the 3G surfing now.

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 power on, press and hold the Reset button on the rear panel for 8 to 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.

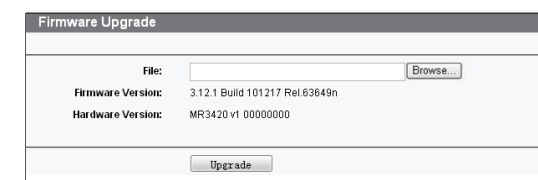**What should I do when the "Unknown Modem" message displays?**

(1) Please check and make sure that your 3G USB modem is on our Compatibility List: http://www.tp-link.com/common/?3g
(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.

Firmware Upgrade	
File:	[Browse...]
Firmware Version:	3.12.1 Build 101217 Rel.63649n
Hardware Version:	MR3420 v1 00000000
	[Upgrade]