LB-LINK®

Quick Installation Guide

Model:BL-WMR8300
**300Mbps Wireless N ADSL2 Modem Router**

1.Connecting the device

Note: Please use only wired network connections to configure the router.

1 Power down all your network devices, including your computer(s) and the Modem Router. If you currently use a modem, disconnect it now - the Modem Router will replace your current modem.

2 Connect your computer to the Port labeled "1~4" on the Router with an Ethernet cable.

PC
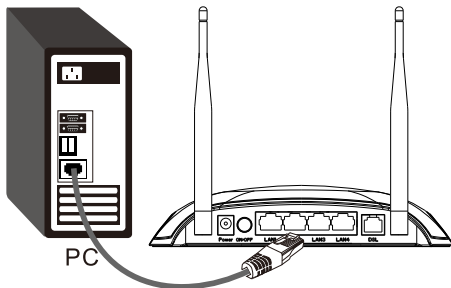
3 Connect the splitter to the wall jack using a telephone line, then use the other telephone line to connect to the ADSL port on the Router and the MODEM port of the splitter, also have the PHONE port of the splitter connected to a telephone.

ADSL Splitter
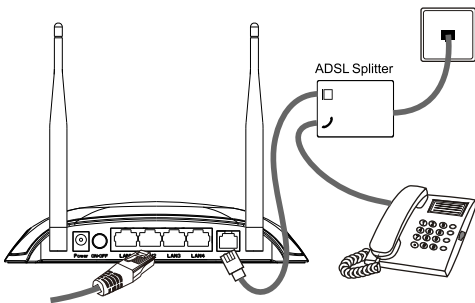
NOTE:If no telephone is needed, please connect the ADSL port of the Router to the wall jack using the telephone line directly.

4 Plug the provided Power Adapter into the Power jack on the back of the Router and the other end to a standard electrical wall socket.
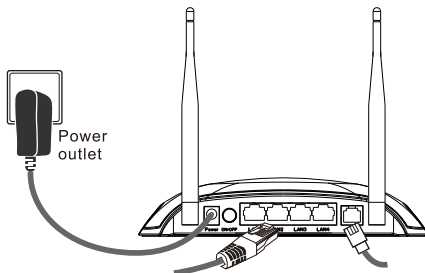
Power outlet

5 Power on all your network devices and then check to see if the LEDs of the Router display normally as the diagram below describes.

Power: Solid light

ADSL: Solid light or flashing

LAN: Solid light if the corresponding port is connected

WLAN: Solid light or flashing

NOTE:If the LEDs display abnormally, please check to see if all the cable connectors (power adapter, phone line and Ethernet cable) are well connected to your device. With the phone line well connected, if the ADSL LED turns off after flashing, please contact your ISP to ensure that your internet connection is active.
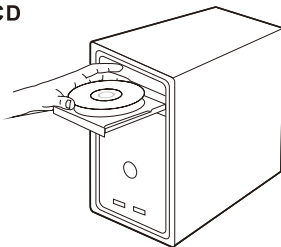
2.Configuring the device

Note:To configure the device, you can either run the setup CD-ROM (method one),or run the Web based Quick Setup Wizard (method two). We strongly recommends that you run the setup CD-ROM.

Method One:

Configuring the Device via the Resourer CD

1 Insert the provided Resource CD into your CD-ROM drive.

2 The Setup Wizard will automatically pop up on your computer's screen.
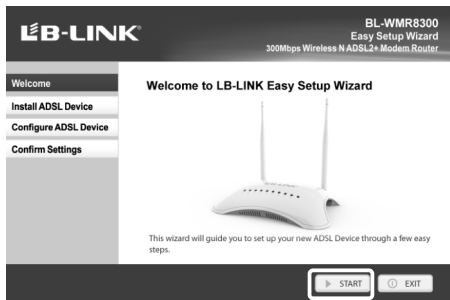
Click **START**, and then follow the step-by-step instructions until you complete the configuration.

The configuration has now been completed. Please skip to **Method Two "3 Testing the Internet Connection"**.

Method Two:

Configuring the Device via the Web-based Quick Setup Wizard

Note: First of all, please configure your computer's IP address to automatically obtain, if not clear, please refer to "**FAQ3: How to configure the IP address of the computer?**"

1 Login

Open your web browser,input **192.168.1.1** in the address field and press **Enter**.

The web management page will prompt you for the User name and Password. Enter the default values and click **Login**.

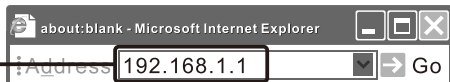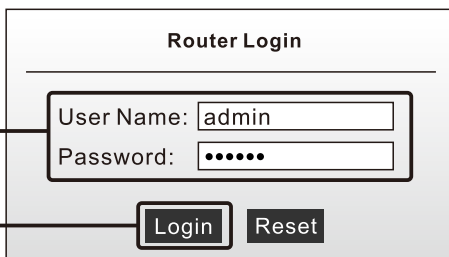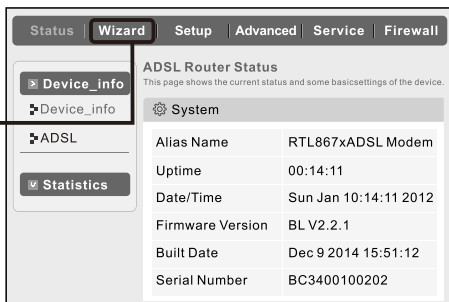**Router Login**

User name: **admin**
Password: **admin**

User Name: admin
Password: ●●●●●●

Click **Login**

Login   Reset

The web management page will display after a successful login

| Status | Wizard | Setup | Advanced | Service | Firewall |

▣ Device_info
▪ Device_info
▪ ADSL
☑ Statistics

Click **Wizard**

ADSL Router Status
This page shows the current status and some basic settings of the device.

⚙ System

Alias Name	RTL867xADSL Modem
Uptime	00:14:11
Date/Time	Sun Jan 10:14:11 2012
Firmware Version	BL V2.2.1
Built Date	Dec 9 2014 15:51:12
Serial Number	BC3400100202

❷ Fast Config

The wizard will help you do some basic configurations step by step.

Step 1: WAN Connection Setting

Choose the **Connection Type** given by your ISP:

If **Bridge** is selected, please proceed to **A**;
If **IPoE** is selected, please proceed to **B**;
If **PPPoE** is selected, please proceed to **C**;
If **PPPoA** is selected, please proceed to **D**;
If **1483 Routed** is selected, please proceed to **E.**
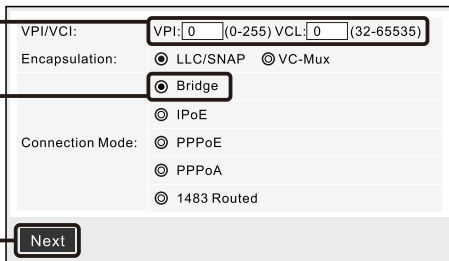
A. Configuration for Bridge

Enter the **VPI/VCI** information provided by your ISP manually

Select **Bridge**

VPI/VCI:	VPI: 0 (0-255) VCL: 0 (32-65535)
Encapsulation:	◉ LLC/SNAP ◎ VC-Mux
	◉ Bridge
	◎ IPoE
Connection Mode:	◎ PPPoE
	◎ PPPoA
	◎ 1483 Routed

Click **Next**

Next

Note: Bridge mode is not recommended because multiple computers are not permitted to share Internet access in this mode.

B. Configuration for IPoE

Enter the **VPI/VCI** information provided by your ISP manually

Select **IPoE**

Select Attain IP Automatically

Click **Next**

VPI/VCI:	VPI: 0 (0-255) VCL: 0 (32-65535)
Encapsulation:	⦿ LLC/SNAP ◎ VC-Mux
	◎ Bridge
	⦿ IPoE
Connection Mode:	◎ PPPoE
	◎ PPPoA
	◎ 1483 Routed
IP Protocol:	Ipv4 ▾
WAN IP Settings:	⦿ Attain IP Automatically
	◎ IP Manually
Default Router:	⦿ Enable ◎ Disable
DNS Settings:	⦿ Attain DNS Automatically
	◎ Set DNS Manually

Next

C. Configuration for PPPoE

Enter the **VPI/VCI** information provided by your ISP manually

Select **PPPoE**

Enter the **username and password** provided by your ISP

Click **Next**

VPI/VCI:	VPI: 0 (0-255) VCL: 0 (32-65535)
Encapsulation:	⦿ LLC/SNAP ◎ VC-Mux
	◎ Bridge
	◎ IPoE
Connection Mode:	⦿ PPPoE
	◎ PPPoA
	◎ 1483 Routed
IP Protocol:	Ipv4 ▾
PPP Settings:	Username: Password:
Default Router:	⦿ Enable ◎ Disable
DNS Settings:	⦿ Attain DNS Automatically
	◎ Set DNS Manually

Next

D. Configuration for PPPoA

Enter the **VPI/VCI** information provided by your ISP manually

VPI/VCI:	VPI: 0 (0-255) VCL: 0 (32-65535)
Encapsulation:	● LLC/SNAP ◎ VC-Mux
	◎ Bridge
	◎ IPoE
Connection Mode:	◎ PPPoE
	● PPPoA
	◎ 1483 Routed
IP Protocol:	Ipv4 ▾
PPP Settings:	Username: Password:
Default Router:	● Enable ◎ Disable
DNS Settings:	● Attain DNS Automatically
	◎ Set DNS Manually

Select **PPPoA**

Enter the **username and password** provided by your ISP

Click **Next** — Next

E. Configuration for 1483 Routed

Enter the **VPI/VCI** information provided by your ISP manually

VPI/VCI:	VPI: 0 (0-255) VCL: 0 (32-65535)
Encapsulation:	● LLC/SNAP ◎ VC-Mux
	◎ Bridge
	◎ IPoE
Connection Mode:	◎ PPPoE
	◎ PPPoA
	● 1483 Routed
IP Protocol:	Ipv4 ▾
WAN IP Settings:	◎ Attain IP Automatically
	● IP Manually
IP Address:	
Netmask:	
Gateway:	
Default Router:	● Enable ◎ Disable
DNS Settings:	● Attain DNS Automatically
	◎ Set DNS Manually

Select **1483 Routed**

Enter the **1483 Routed** information provided by your ISP manually

Click **Next** — Next

Step 2: WLAN Connection Setting

This page will then display.

Keep the default setting: **Enable**
If you want to disable Access Point, please select **Disable.**

Create a unique and easy-to-remember name for yourwireless network. You can also keep default settings without the device being affected.

Select an **Encryption** type

Enter a Security Key using 8-63 characters.

Click **Next**

WLAN:	⊙ Enable ◎ Disable
Band:	2.4GHz(B+G+N) ▼
SSID:	B-LINK_XXXXXX
Encryption:	WPA2 Mixed ▼
WPA Authentication Mode:	◎ Enterprise(RADIUS) ⊙ Personal(Pre-Shared Key)
	Pre-Shared Key Format: Passphrase ▼
	Pre-Shared Key:

Prev Next

Note:The wireless security is **None** by default. You are suggested to select an **Encryption** for security settings. **WPA2-Mixed** is recommended

Step 3: Save Setting

This page will then display.

Settings as follow:	
VPI:	8
VCI:	35
Encapsulation:	LLC/SNAP
Channel Mode:	PPPoE
IP Protocol:	Ipv4
ppp username:	test
ppp password:	test
DNS Setting:	DNS Automatically
WLAN:	Enable

Next Apply Changes Cancel

Click **Apply changes**

Now, your Modem Router has been configured and is rebooting. Please do not turn off the Modem Router while it's rebooting.

3 Testing the Internet Connection

The basic settings for your Router are completed. Please open the web browser and log on to the following websites:
http://www.lb-link.cn

If the above websites can be accessed, it indicates that your Router has been configured successfully and you can start to enjoy the Internet. If the websites cannot be accessed, please refer to "**FAQ2: What can I do if I cannot access the Internet?**" in the **Troubleshooting** guide.
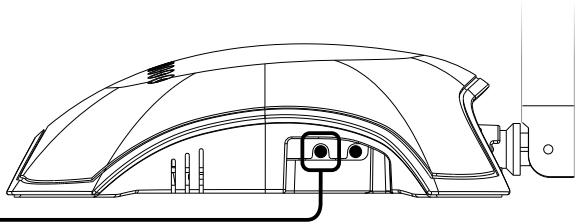
3.Troubleshooting

FAQ1: What should I do if I forget the user name and password?

(How to restore the router 's configuration to its factory default settings.)
Answer: If you forget the user name and password, the only way to solve this problem is to reset the router. Press and hold the RESET button on the rear panel for 8 seconds before releasing it.

Hold for **8** seconds

FAQ2: What can I do if I cannot access the Internet?

1) Check to see if all the connectors are connected well, including the telephone line, Ethernet cables and power adapter.

2) Check to see if you can log on to the web management page of the Modem Router. If you can, try the following steps. If you cannot, please set your computer referring to **FAQ3** then try to see if you can access the Internet. If the problem persists, please go to the next step.

3) Consult your ISP and make sure all the VPI/VCI, Connection Type, account username and password are correct. If there are any mistakes, please correct the settings and try again.

4) If you still cannot access the Internet, please restore your Router to its factory default settings and reconfigure your Router by following the instructions of this QIG.

5) Please feel free to contact our Technical Support if the problem still exists.

FAQ3: How to configure the IP address of the computer?

For Windows XP OS

Go to **Start** > **Control Panel**, you will then see the following page.

Click **Network and Internet Connections**

For Windows XP OS

Network and Internet Connections

Pick a task...

→ Set up or change your Internet connection
→ Create a connection to the network at your workplace
→ Set up or change your home or small office network
→ Set up a wireless network for a home or small office
→ Change Windows Firewall settings

See Also
🌐 My Network Places
🖨 Printers and Other Hardware
💻 Remote Desktop
☎ Phone and Modem Options

Troubleshooters
❓ Home or Small Office Networking
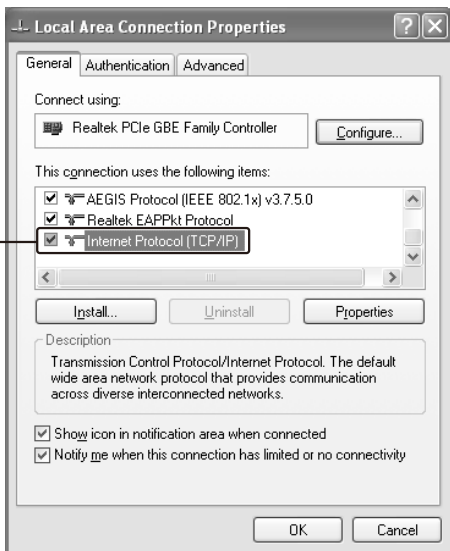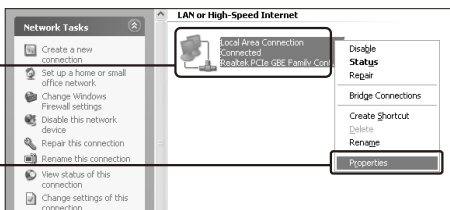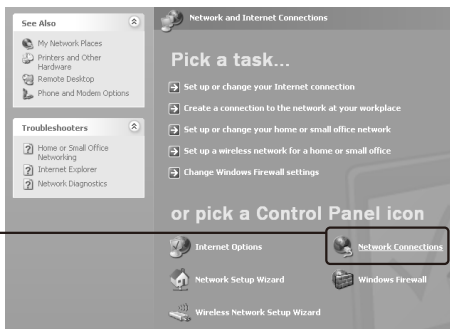❓ Internet Explorer
❓ Network Diagnostics

Click **Network Connections**

or pick a Control Panel icon

🌐 Internet Options   💻 Network Connections
🖧 Network Setup Wizard   🛡 Windows Firewall
📶 Wireless Network Setup Wizard

Right-click **Local Area Connection**

LAN or High-Speed Internet

Network Tasks
📋 Create a new connection
📶 Set up a home or small office network
🛡 Change Windows Firewall settings
🚫 Disable this network device
🔧 Repair this connection
📝 Rename this connection
👁 View status of this connection
📋 Change settings of this connection

Local Area Connection
Connected
Realtek PCIe GBE Family Con

Disable
Status
Repair

Bridge Connections

Create Shortcut
Delete
Rename

Click **Properties** — Properties

Local Area Connection Properties ?✕

General | Authentication | Advanced

Connect using:

🖧 Realtek PCIe GBE Family Controller   [Configure...]

This connection uses the following items:

☑ 📶 AEGIS Protocol (IEEE 802.1x) v3.7.5.0
☑ 📶 Realtek EAPPkt Protocol
☑ 📶 Internet Protocol (TCP/IP)

Double-click **Internet Protocol (TCP/IP)**

[Install...] [Uninstall] [Properties]

Description
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.

☑ Show icon in notification area when connected
☑ Notify me when this connection has limited or no connectivity

[OK] [Cancel]

For Windows XP OS

Internet Protocol (TCP/IP) Properties

General | Alternate Configuration

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

Select **Obtain an IP address automatically**

◉ Obtain an IP address automatically

○ Use the following IP address:

IP address:

Subnet mask:

Default gateway:

Select **Obtain DNS server address automatically**

◉ Obtain DNS server address automatically

○ Use the following DNS server addresses:

Preferred DNS server:

Alternate DNS server:

Advanced...

Click **OK**

OK | Cancel

Local Area Connection Properties

General | Authentication | Advanced

Connect using:

Realtek PCIe GBE Family Controller   Configure...

This connection uses the following items:

☑ ᵛᵀ AEGIS Protocol (IEEE 802.1x) v3.7.5.0
☑ ᵛᵀ Realtek EAPPkt Protocol
☑ ᵛᵀ Internet Protocol (TCP/IP)

Install...   Uninstall   Properties

Description

Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.

☑ Show icon in notification area when connected
☑ Notify me when this connection has limited or no connectivity

Click **OK**

OK | Cancel

For Windows 7 OS

Go to **Start** > **Control Panel**,
you will then see the following
page.

Click **View network
status and tasks**

Click **Change
adapter settings**

Right-click **Local
Area Connection**

Click **Properties**

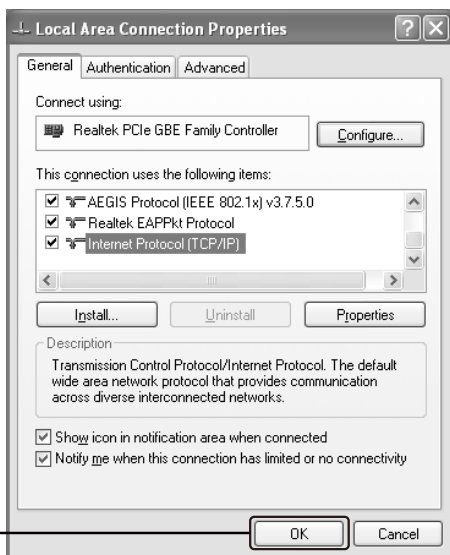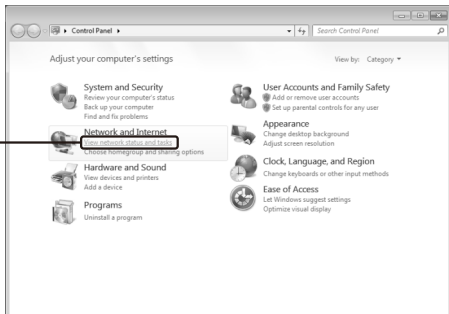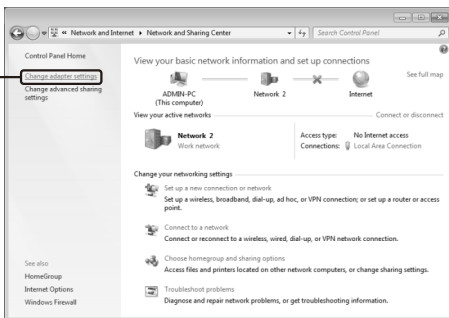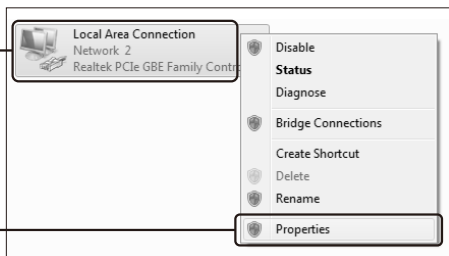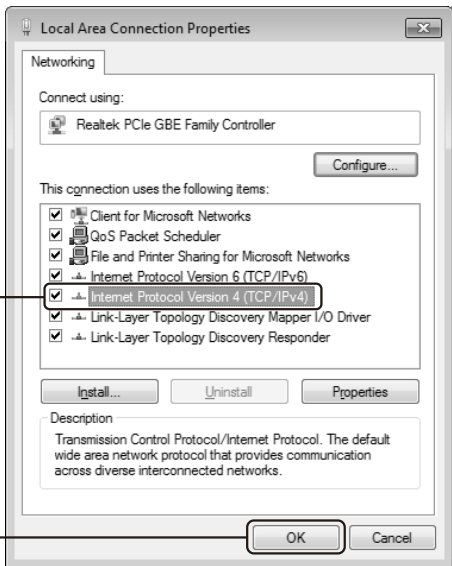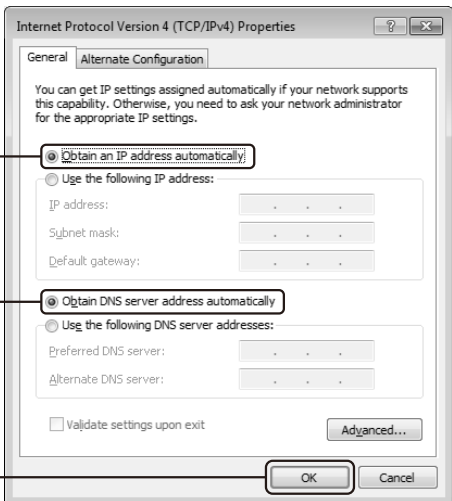**For Windows 7 OS**
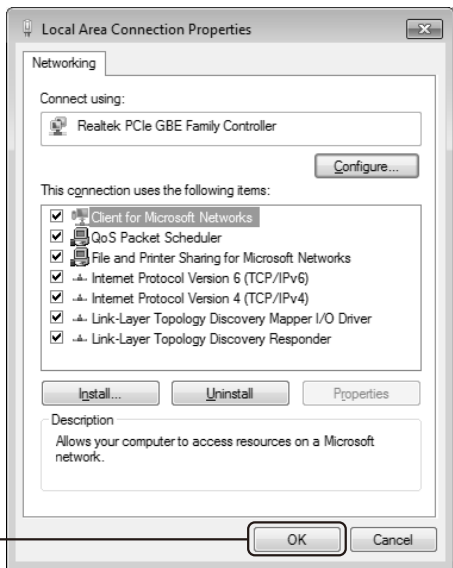
Double-click **Internet Protocol Version 4 (TCP/IPv4)**

Click **OK**

Select **Obtain an IP address automatically**

Select **Obtain DNS server address automatically**
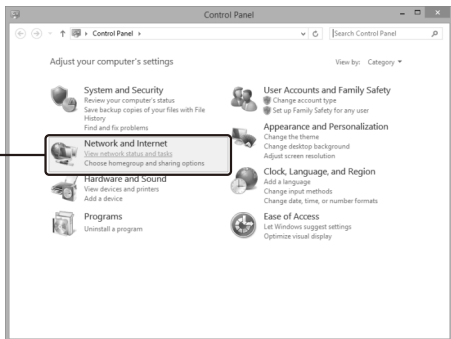
Click **OK**

For Windows 7 OS

Click **OK**

Local Area Connection Properties

Networking

Connect using:

Realtek PCIe GBE Family Controller

Configure...

This connection uses the following items:

- ☑ Client for Microsoft Networks
- ☑ QoS Packet Scheduler
- ☑ File and Printer Sharing for Microsoft Networks
- ☑ Internet Protocol Version 6 (TCP/IPv6)
- ☑ Internet Protocol Version 4 (TCP/IPv4)
- ☑ Link-Layer Topology Discovery Mapper I/O Driver
- ☑ Link-Layer Topology Discovery Responder

Install...   Uninstall   Properties

Description

Allows your computer to access resources on a Microsoft network.

OK   Cancel

For Windows 8 OS

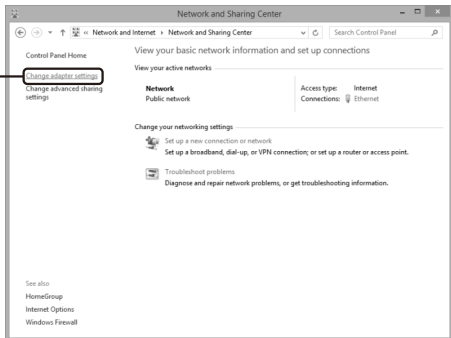Press the Keyboard WIN(⊞)+X to popup the menu on the Win8 Desktop, then **select Control Panel**
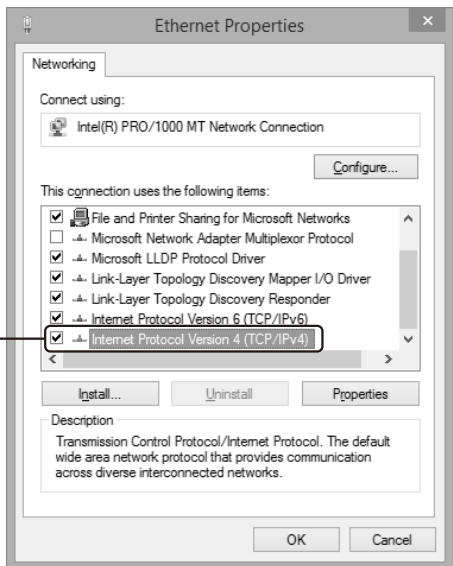
Click **View network status and tasks**
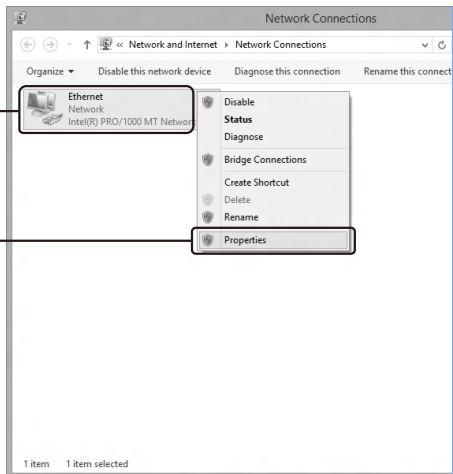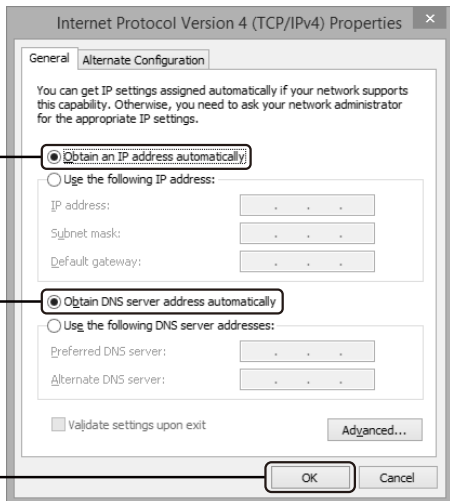
Click **Change adapter settings**

For Windows 8 OS

Right-click **Ethernet**

Click **Properties**

Double-Click **Internet Protocol Version4(TCP/Ipv4)**

For Windows 8 OS

Internet Protocol Version 4 (TCP/IPv4) Properties

General | Alternate Configuration

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

Select **Obtain an IP address automatically**

◉ Obtain an IP address automatically
◯ Use the following IP address:
IP address:
Subnet mask:
Default gateway:

Select **Obtain DNS server address automatically**

◉ Obtain DNS server address automatically
◯ Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:

☐ Validate settings upon exit

Advanced...

Click **OK**

OK | Cancel

Ethernet Properties

Networking

Connect using:

🖳 Intel(R) PRO/1000 MT Network Connection

Configure...

This connection uses the following items:

☑ 🖳 Client for Microsoft Networks
☑ 🖳 QoS Packet Scheduler
☑ 🖳 File and Printer Sharing for Microsoft Networks
☐ ⊸ Microsoft Network Adapter Multiplexor Protocol
☑ ⊸ Microsoft LLDP Protocol Driver
☑ ⊸ Link-Layer Topology Discovery Mapper I/O Driver
☑ ⊸ Link-Layer Topology Discovery Responder

Install... | Uninstall | Properties

Description

Allows your computer to access resources on a Microsoft network.

Click **OK**

OK | Cancel

http://www.lb-link.cn

72 mm

45 mm

AC/DC ADAPTOR

MODEL: JY-1205.0
INPUT:100-240V 50/60Hz 0.3A Max
OUTPUT: 12V ⎓ 0.5 A ⊖—◉—⊕

c(UL)us
LISTED
5BE5
E361207
I.T.E.POWER SUPPLY

JIYIN ELECTRONICS CO.,LTD

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and (2) this device
must accept any interference received, including interference that may
cause undesired operation.

RF warning:
This equipment complies with FCC radiation exposure limits set forth for an
uncontrolled environment. This equipment should be installed and operated
with minimum distance 20cm between the radiator & your body.

Any Changes or modifications not expressly approved by the party
responsible for compliance could void the user's authority to operate the
equipment.

Note: This equipment has been tested and found to comply with the limits
for a Class B digital device, pursuant to part 15 of the FCC Rules. These
limits are designed to provide reasonable protection against harmful
interference in a residential installation. This equipment generates uses
and can radiate radio frequency energy and, if not installed and used in
accordance with the instructions, may cause harmful interference to radio
communications. However, there is no guarantee that interference will not
occur in a particular installation. If this equipment does cause harmful
interference to radio or television reception, which can be determined by
turning the equipment off and on, the user is encouraged to try to correct
the interference by one or more of the following measures:
-Reorient or relocate the receiving antenna.
-Increase the separation between theequipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to
which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.