



BEC EG-210N
GigaConnect[®] Smart Gateway

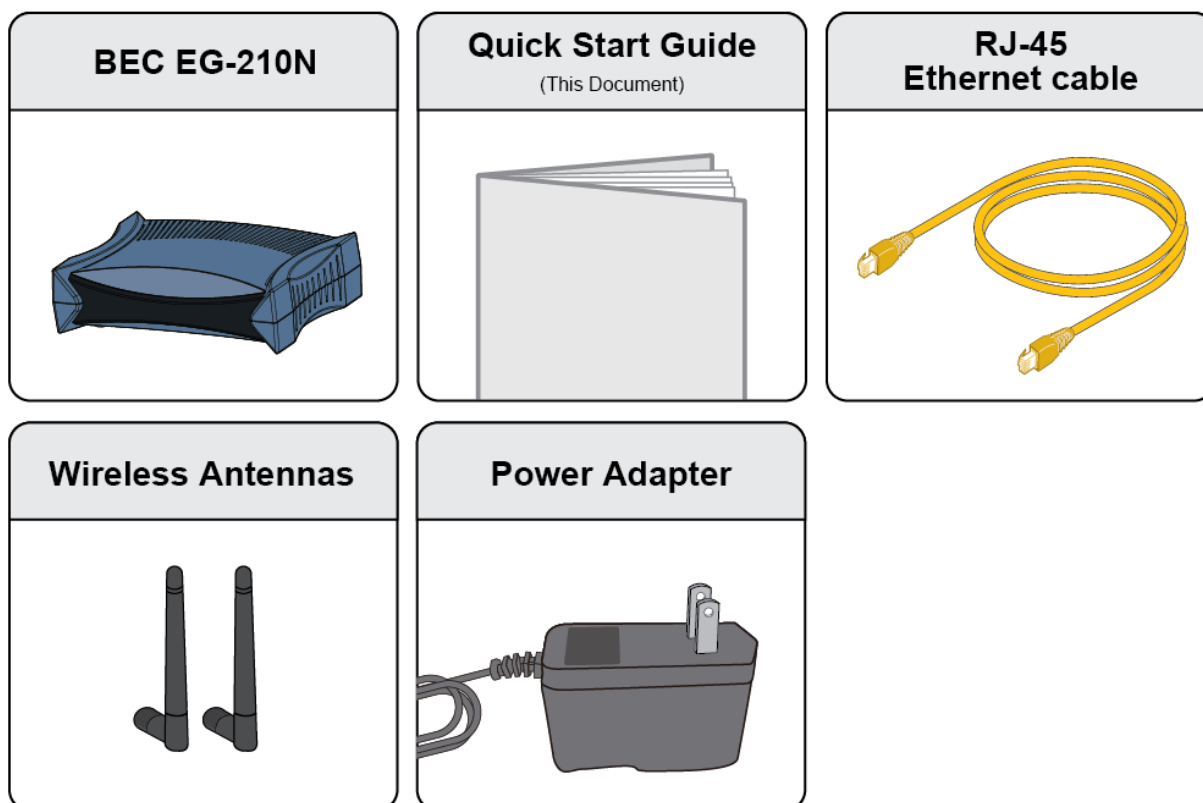
Quick Start Guide



PLEASE READ THE QUICK START GUIDE AND FOLLOW THE STEPS CAREFULLY. THIS QUICK START GUIDE WILL HELP YOU INSTALL THE DEVICE PROPERLY AND AVOID IMPROPER USAGE. IF YOU NEED MORE INFORMATION ON THIS SOFTWARE CONFIGURATION, PLEASE REFER TO THE ONLINE USER MANUAL.

Package Contents

- ✓ BEC EG-210N Smart Router * 1
- ✓ This Quick Start Guide * 1
- ✓ RJ-45 Ethernet Cable * 1
- ✓ Wi-Fi Antenna * 2
- ✓ DC Power Adapter * 1



NOTE: ALL IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY. PACKAGE CONTENTS MAY DIFFER FROM ACTUAL PRODUCTS.






- Do not use the router in high humidity or at high temperature.
- Do not use the same power source for the router as other equipment.
- Do not open or repair the case yourself. If the router is too hot, turn off the power immediately and have it repaired at a qualified service center.
- Avoid using this product and all accessories outdoors.



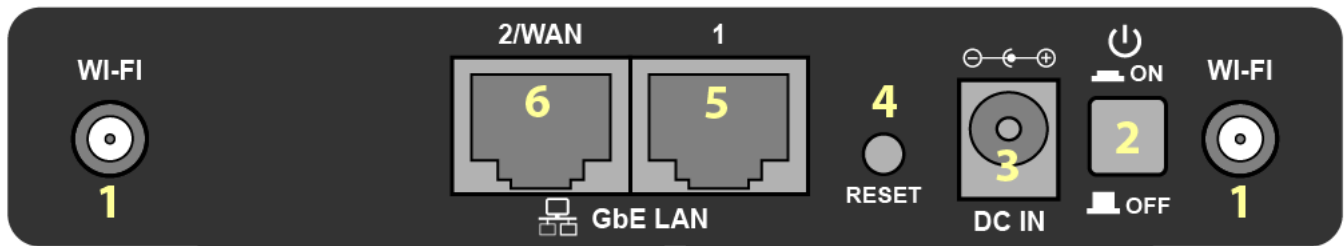
- Place the router on a stable surface.
- Only use the power adapter that comes with the package. Using a different voltage rating power adapter may damage the router.

Front Panel LEDs



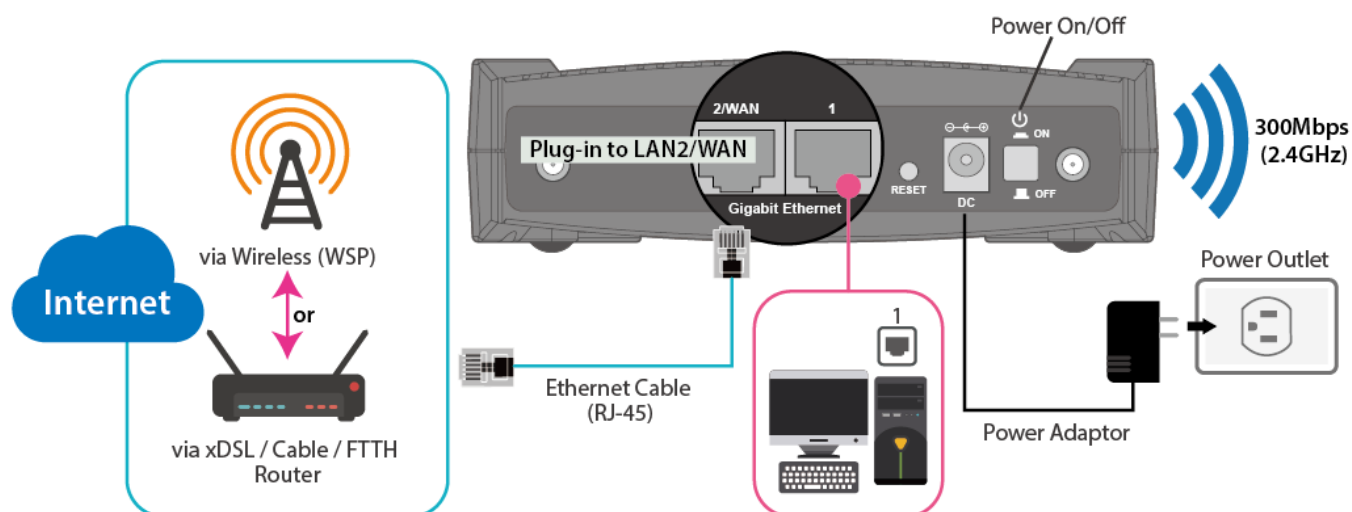
LED	STATUS	DESCRIPTION
Power 	Green	System is up and ready
	Red	Boot failure
Ethernet Port LAN 1 - 2	Green	Transmission speed is at Gigabit speed (1000Mbps)
	Orange	Transmission speed is at 10/100Mbps
	Blinking	Data being transmitted/received
Wireless 	Green	Wireless connection established
	Green blinking	Data being transmitted / received
	Orange	WPS configuration is in progress
Internet 	Green	IP address has received; traffic is passing thru the device.
	Red	IP address request has failed.
	Off	EG-210N is either in bridged mode or WAN connection not ready.

Rear Panel Connectors



INTERFACE		MEANING
1	Wi-Fi Antenna Connectors	Screw the supplied Wi-Fi antennas onto the antenna connectors on both sides
2	Power Button	Power ON/OFF switch
3	Power Jack (DC IN)	Plug in the supplied Power Adapter to this jack
4	RESET	After the device is powered on, press it 6 seconds or above : to restore to factory default settings (this is used when you cannot login to the router, e.g. forgot your password)
5	Gigabit Ethernet (LAN 1)	Connected to a 10/100/1000Mbps Ethernet device
6	Gigabit Ethernet (LAN 2 / WAN)	Ethernet LAN: Connected to a 10/100/1000Mbps Ethernet device OR Ethernet WAN: Software configurable in the GUI. Connect to a broadband device such as a cable modem, ADSL/VDSL modem or fiber modem.

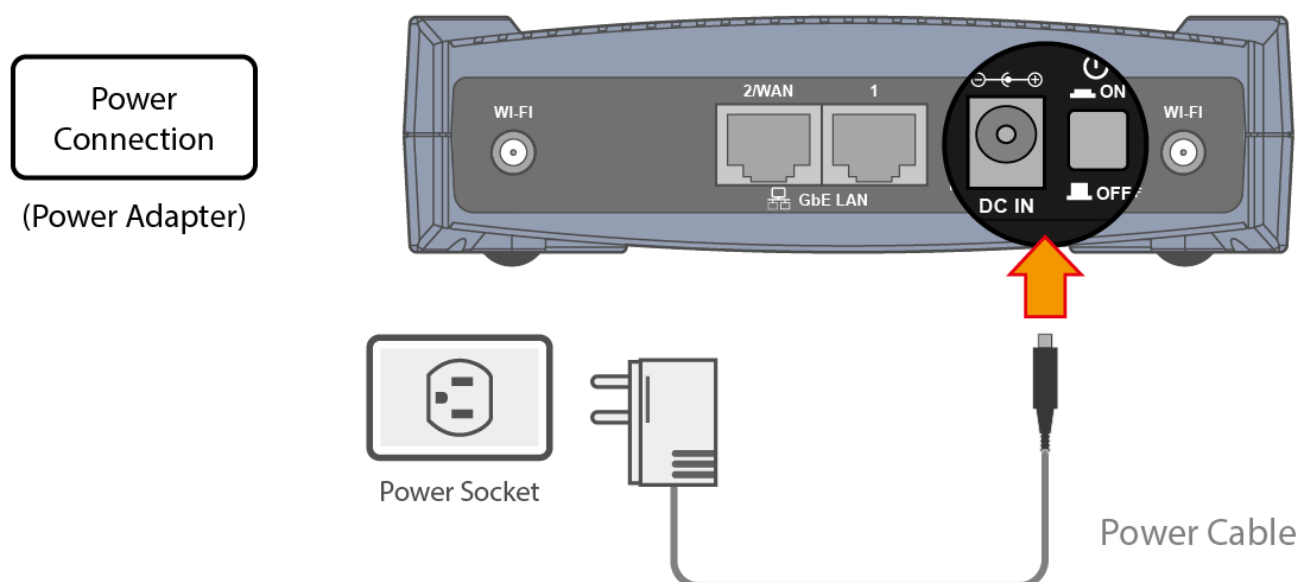
Hardware Connection



Hardware Installation

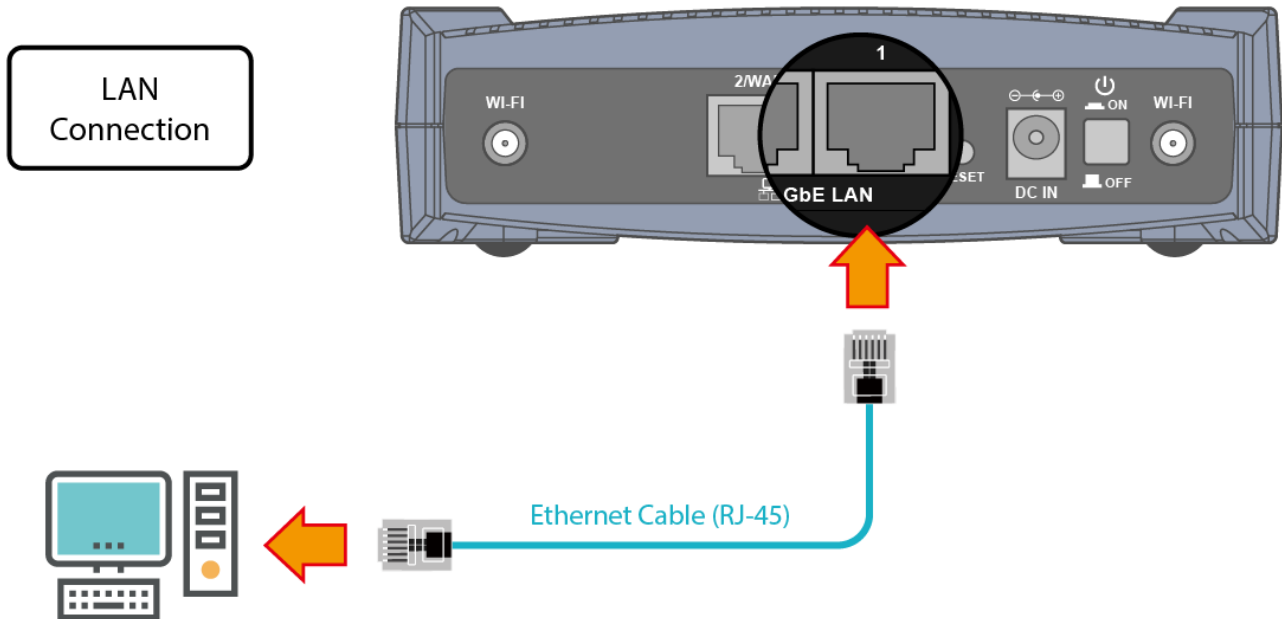
1. Power Connection

Plug in the supplied power adapter to the wall jack, the other side to the EG-210N then power it **ON** the by pressing the Power On/Off button.



2. LAN Connection

Plug the RJ-45 Ethernet cable to one of the Ethernet ports, and the other side to the PC's Ethernet interface.

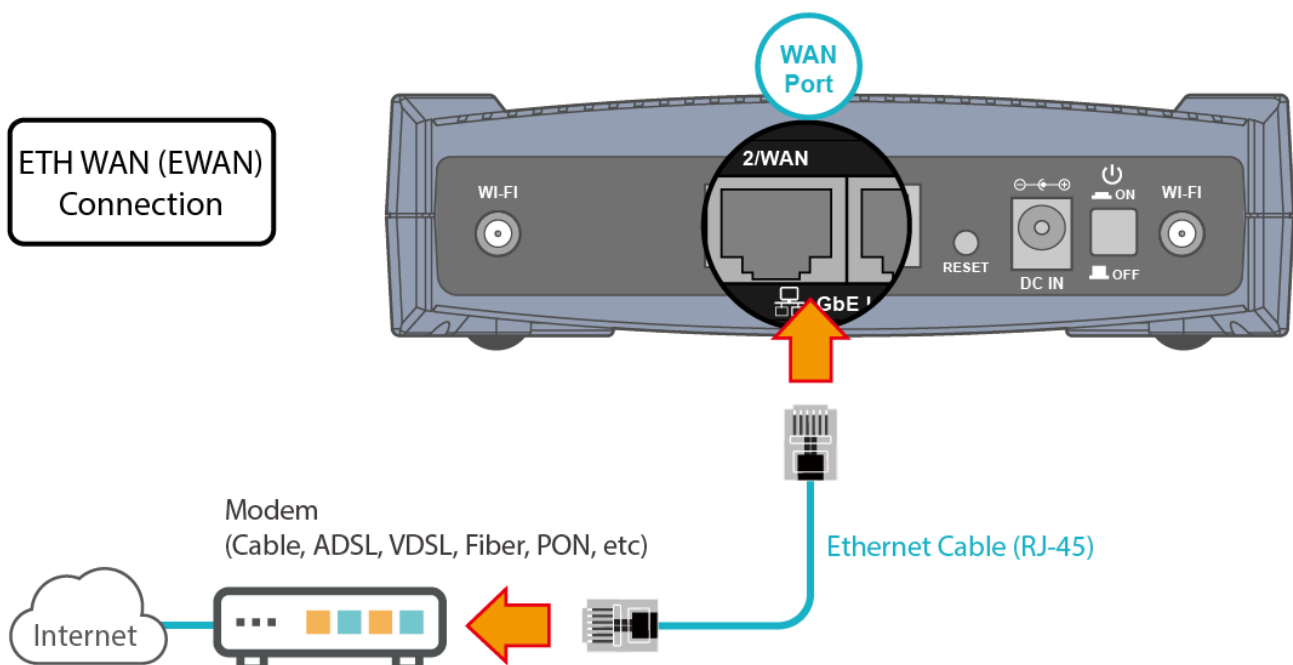


3. WAN Link Interface and Connection

BEC EG-210N supports failover and failback on dual WAN interfaces, Ethernet WAN and Wi-Fi WAN. **<Please refer to User Manual for detailed Internet setup>**

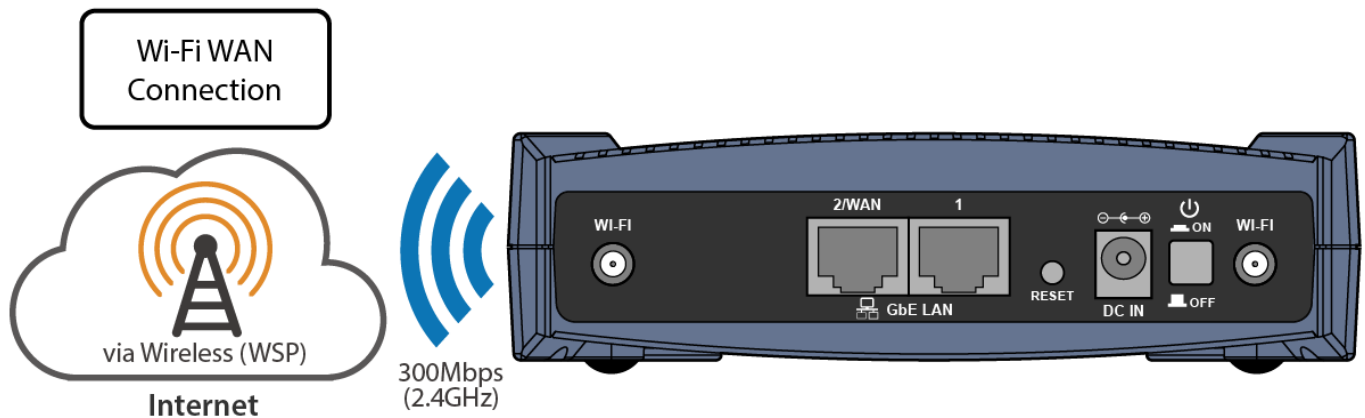
3.1 Ethernet WAN Connection

Connect RJ-45 Ethernet cable to the **WAN port** and connect the other side to another alternative broadband device, such as Cable Modem, VDSL, Fiber Modem or PON optic lines.



3.2 Wi-Fi WAN Connection

Go to the device **GUI / Interface Setup / Internet** setting to connect to a Wireless Access Point as the WAN interface or Wireless Service Provider to the Internet.



Connecting to the Router

The default IP of modem is **192.168.1.254** with subnet 255.255.255.0. Make sure the attached PC to this router is in the same subnet and has an IP address in the range between 192.168.1.1 ~ 192.168.1.253.

Open a web browser and type **http://192.168.1.254** in the URL address bar.

URL Address bar: type
http://192.168.1.254



The login prompt will appear. Input the default username and password.

*This username / password may vary by different Internet Service Providers.

Quick Setup Your Router

Wired Broadband Connection - before start configuring the EG-210N, make sure you have the LAN2/WAN connect to your Internet box/modem or fiber line.

Step 1: Change administration password

Setup a new password for “admin” account for device management. The default password is “admin”. Click Continue to go on to the next step.

*The password may vary by different Internet Service Providers.

New Password: assign a new, **unique password**

Confirm Password: re-enter the new password again

Next Step: click **Next**

Step 2: Time Zone configuration

Enable and select your Time Zone then click Continue to go on to the next step.

Time Zone: select your **time zone**

Next Step: click **Next**

Step 3: Setup Local Wireless Connection

Access Point: select **Activated**

SSID: Assign a **unique name**

Channel: pick from 1~11

Security Type: select a mode

- Disable (No security)
- WPA
- WPA2 (Most secure one)
- WPA / WPA2 (auto detect WPA mode with wireless clients)
- WEP (Less secure one)

Pre-Shared Key: key for wireless authentication

- **WPA / WPA2 Share Key:** Assign a key between 8 ~ 63 characters.
- **WEP:** select **Open System**, use default WEP Key 1 then assign **26 Hex codes**

Next Step: click **Next**

▼ Quick Start - Wireless

Configure your wireless network, authentication type and click NEXT

Access Point	<input checked="" type="radio"/> Activated <input type="radio"/> Deactivated
SSID	BEC345
Broadcast SSID	<input checked="" type="radio"/> Yes <input type="radio"/> No
Channel	UNITED STATES 11
Security Type	Mixed WPA2/WPA-PSK
WPA Algorithms	AES
Pre-Shared Key	1234567890
Key Renewal Interval	600 seconds (10 ~ 4194303)

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Step 4: WAN / Internet Connection Setup

Select the appropriate WAN protocol then fill out the information provided by your ISP in all relevant parameters.

Example: WAN Interface in EWAN mode.

Protocol: select one of them

- **Dynamic IP Address** (Obtain an IP address automatically)
- **Static IP Address** (Manually assign an IP)
- PPPoE
- Bridge Mode

Net Step: click **Continue**

▼ Quick Start - ISP Connection Type

Select the WAN Interface and Internet Connection Type to connect

WAN Interface	EWAN
Service	0
ISP	<input type="radio"/> Dynamic IP Address (Select the WAN Interface and <input type="radio"/> Static IP Address (Choose this option to set static I <input checked="" type="radio"/> PPPoE (Choose this option if your ISP uses PPPoE <input type="radio"/> Bridge Mode (Choose this option if your ISP uses E

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Step 5: Save Confirmation Settings

Click "Next" to save and complete the Quick Setup.
You should now be able to access to the Internet.

Please see the relevant sections of User Manual for detailed information.

Troubleshooting

1. None of the LEDs are on when you turn on the router.

Check the connection between the adapter and the router. If the error persists, you may have a hardware problem. In this case you should contact technical support.

2. You have forgotten your router login and/or password.

Try the default login and password, please refer to User Manual. If this fails, you can restore your router to its factory settings by holding the Reset button on the back of your router for 6 seconds or more.

3. Cannot ping any PCs on the LAN.

Check the Ethernet LEDs on the front panel. The LED should be on for a port that has a PC connected. If it is off, check the cables between your router and the PC. Make sure you have uninstalled any software firewall for troubleshooting. Verify that the IP address and the subnet mask are consistent between the router and the workstations.

Product Support and Contact Information

Most problems can be solved by referring to the **Troubleshooting** section in the User Manual. If you have other inquiries or need further technical support, please contact with your Internet Service Provider or visit us at www.bectechnologies.net.

FCC Statement

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 the equipment 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.

FCC Caution:

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
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.