



**BEC 6300VNL**

**GigaConnect®**  
**Wireless Broadband Router**

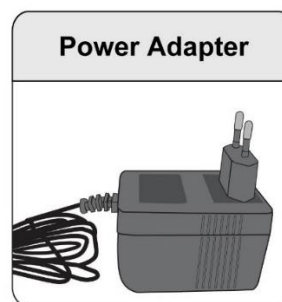
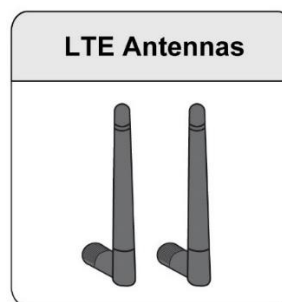
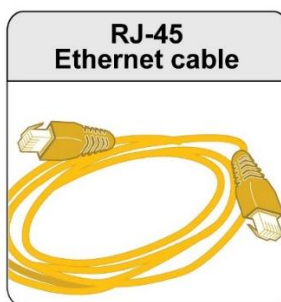
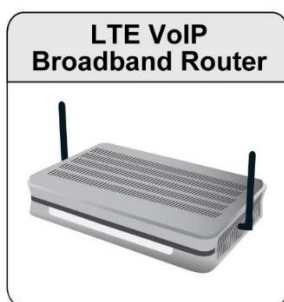
**Quick Start Guide**



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 USER MANUAL ON CD-ROM.

## Package Contents

- ✓ BEC 6300VNL 3G/EVDO VoIP Wireless Broadband Router
- ✓ This Quick Start Guide
- ✓ RJ-45 Ethernet cable
- ✓ Two 3G/EVDO detachable antennas
- ✓ Power adapter



**Warning**

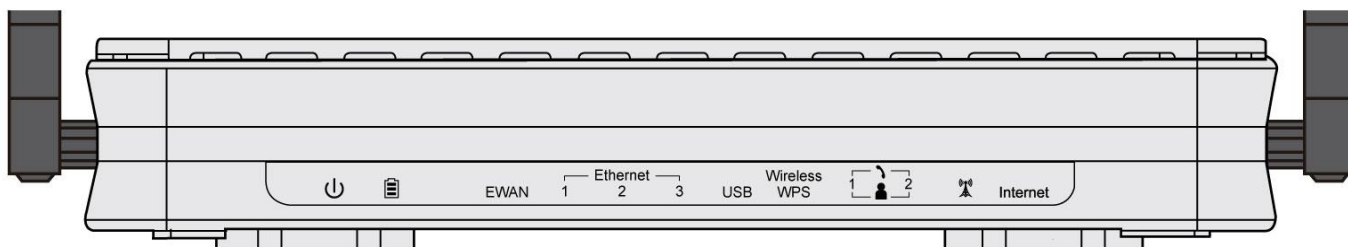
- Do not use the router in high humidity or high temperatures.
- Do not use the same power source for the router as other equipment.
- Do not open or repair the case yourself. If the router is too hot, turn off the power immediately and have it repaired at a qualified service center.
- Avoid using this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







**Attention**

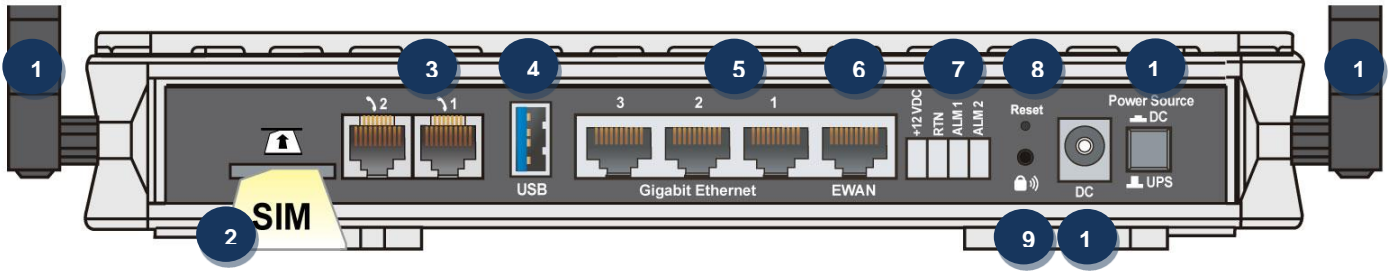
- Place the router on a stable surface.
- Only use the power adapter that comes with the package. Using a different voltage rating power adaptor may damage the router.



## Front Panel LEDs



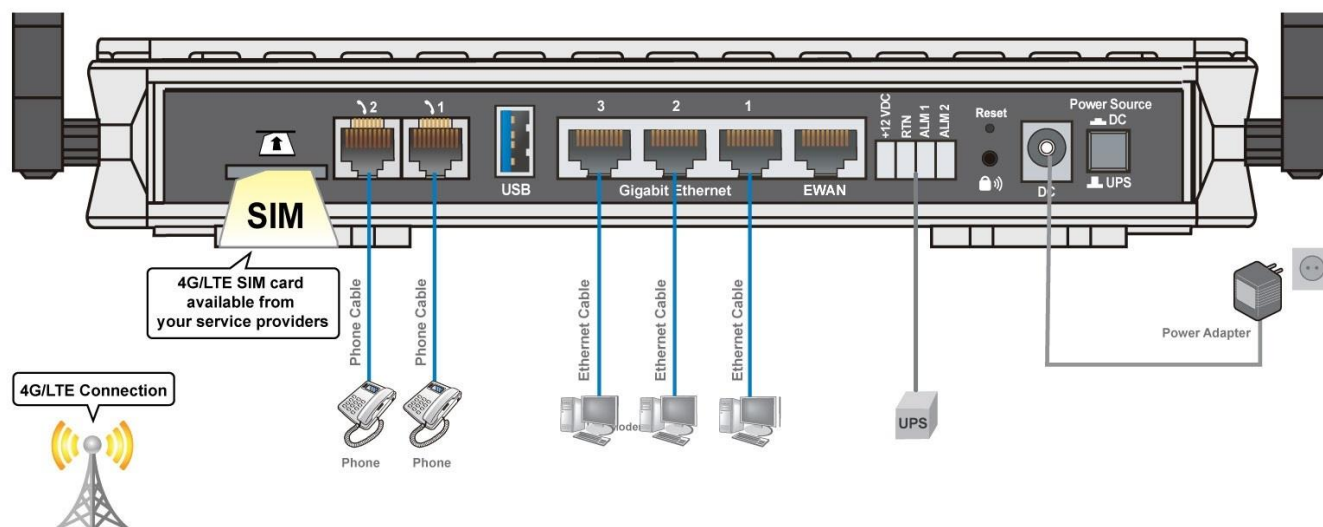
LED	STATUS	DESCRIPTION
<b>Power</b> 	Green	System is up and ready
	Red	Boot failure
<b>Battery</b> 	Green	UPS is functioning properly
	Orange	UPS battery failure. Need to replace a new battery
	Orange blinking	UPS AC power failure and battery functioning properly
	Off	Device powered by the DC power adaptor
<b>EWAN</b>	Lit up	BEC 6300VNL is successfully connected with a broadband connection device.
	Green	Transmission speed is at Gigabit speed (1000Mbps)
	Orange	Transmission speed is at 10/100Mbps
	Blinking	Data being transmitted/received
<b>Ethernet Port LAN 1 ~ 3</b>	Green	Transmission speed is at Gigabit speed (1000Mbps)
	Orange	Transmission speed is at 10/100Mbps
	Blinking	Data being transmitted/received
<b>USB</b>	Green	Connecting to a USB dongle or a hard drive.
<b>Wireless/WPS</b>	Green	Wireless connection established
	Green blinking	Data being transmitted / received
	Orange	WPS configuration is in progress
<b>Phone</b> 	Green	Successfully registered and ready to be used.
	Orange	Phone is off-hook, in-use
<b>LTE (Received Signal Strength Indicator)</b> 	Green	RSSI greater than -69 dBm. Excellent signal condition
	Green Flashing quickly	RSSI from -81 to -69 dBm. Good signal condition
	Orange Flashing quickly	RSSI from -99 to -81 dBm. Fair signal condition.
	Orange Flashing slowly	RSSI less than -99 dBm. Poor signal condition.
	Orange	No signal and the 3G/EVDO module is in service
	Off	No 3G/EVDO module or 3G/EVDO module fails
<b>Internet</b>	Green	IP connected and traffic is passing through the device.
	Red	IP request failed.
	Off	BEC 6300VNL is either in bridged mode or WAN connection not ready.

## Rear Panel Connectors



PORT		MEANING
1	LTE Antenna	Screw the supplied LTE antennas onto the antenna connectors on both sides.
2 	SIM Card Slot	Insert the mini SIM card (2FF) with the gold contact facing down. Push the mini SIM card (2FF) inwards to eject it
3	Phone (1X-2X)	Connect your analog phone to this port with a RJ-11 cable.
4	USB	Connect an external USB dongle / hard drive for storage, network sharing, etc.
5	Gigabit LAN Ethernet (1~3)	Connect a UTP Ethernet cable (Cat-5 or Cat-5e) to one of the four LAN ports when connecting to a PC or an office/home network of 10Mbps /100Mbps /1000Mbps
6	Gigabit EWAN	Connect to Fiber/ Cable/ xDSL Modem with a RJ-45 cable
7	UPS Jack	The 4-pin connectors are used to power the device with an external UPS battery backup.
8	Reset	After the device is powered on, press it the reset button for 10 seconds to restore to factory default settings (this is used when you cannot login to the router, e.g. forgot your password)
9 	WPS & Wireless On/Off	By controlling the pressing time, users can achieve two different effects: (1) <b>WPS</b> : Press &hold the button for a few seconds to trigger WPS function. (2) <b>Wireless ON/OFF button</b> : Press & hold the button for 10 seconds to turn On/Off wireless.  * Please refer to the WPS section in the User Manual.
10	Power Jack (DC)	Connect the supplied Power Adapter to this jack.
11	Power Source	Power ON/OFF switch (1) <b>with Power Switch ON</b> : power up by the supplied DC power adaptor (2) <b>with Power Switch OFF</b> : power up by the UPS battery unit

## Hardware Connection



## Hardware Installation

### 1. Power Connection

Select power source from using a (1) DC power adapter or (2) UPS (Uninterruptible Power Supply)

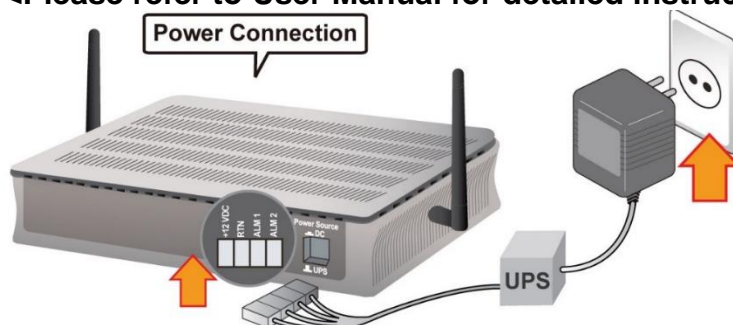
#### 1.1 Using the Supplied AC/DC Power Adaptor

Plug in the supplied power adapter to the wall jack, the other side to the 6300VNL then power it **ON** the by pressing the Power On/Off button.



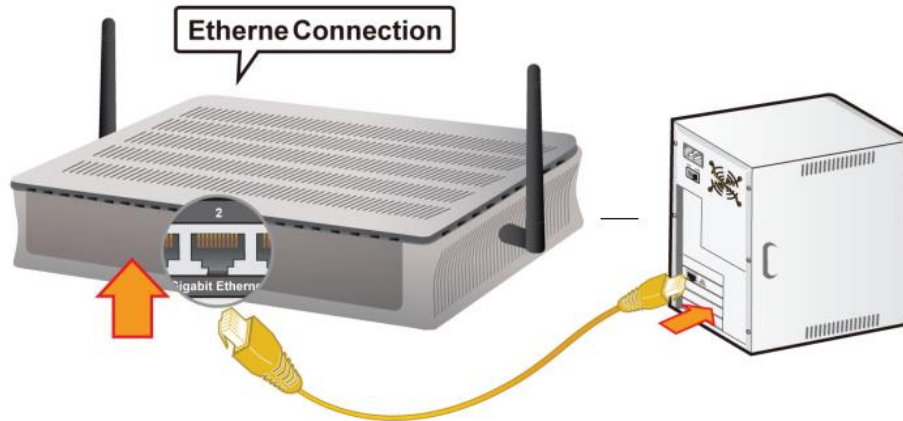
#### 1.2 Using a UPS Battery Unit (Optional)

Power **OFF** the power source button and plug the uninterruptible power supply (UPS) to the device; it's an electrical apparatus that can provide emergency power when the main power source fails. **<Please refer to User Manual for detailed instruction.>**



## 2. LAN Connection

Connect the supplied 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 6300VNL supports failover and fallback on multiple WAN interfaces, 4G LTE, EWAN and USB 3G/4G LTE. **Please refer to User Manual for detailed Internet setup.**

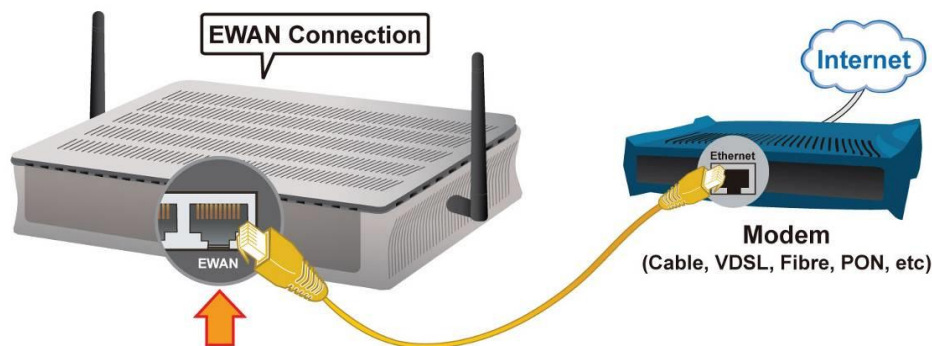
### 3.1 3G/EVDO Connection

Slide the SIM card into the card slot of the device with the gold contact facing down. Make sure that the SIM card has been slid into the bottom of the slot with a click. When removing the SIM card, press the SIM card again it will be ejected from the card slot.

**WARNING: Please power off the device before inserting or removing the SIM card.**

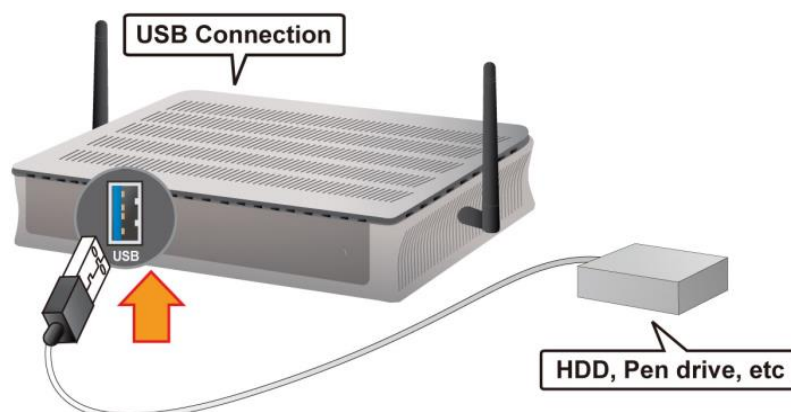
### 3.2 EWAN Connection (Optional)

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



#### 4. USB for Network File Sharing (Optional)

BEC 6300VNL has built-in FTP and Samba Servers, Simply plug in an external USB HD then follow the instruction setup in the User Guide.

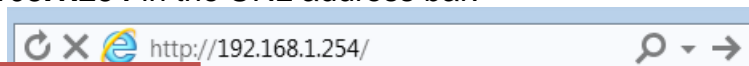


### Connecting to the Router

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 (**admin**) and password (**admin**) for Account type, Administrator. \*This username / password may vary by different Internet Service Providers.

### Quick Setup Your Router

#### 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**

**Quick Start - Password**

You may change the admin account password by entering in a new password

New Password	<input type="text"/>
Confirm Password	<input type="text"/>

#### 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**

**Quick Start - Time Zone**

Select the appropriate time zone for your location and click NEXT to continue

Time Zone (GMT-06:00) Central Time (US & Canada), Mexico

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### Step 3: Setup Wireless Connection

**Access Point:** select **Activated**

**SSID:** Assign an **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 ☒ Activated ☐ Deactivated

SSID BEC345

Broadcast SSID ☒ Yes ☐ 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 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

☐ Dynamic IP Address ( Select the WAN Interface and

☐ Static IP Address ( Choose this option to set static I

☒ PPPoE ( Choose this option if your ISP uses PPPoE

☐ 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.



## 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. **Can't 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 Cellcom at 800-236-0055 or visit us at [www.bectechnologies.net](http://www.bectechnologies.net).