

# QUICK INSTALL GUIDE

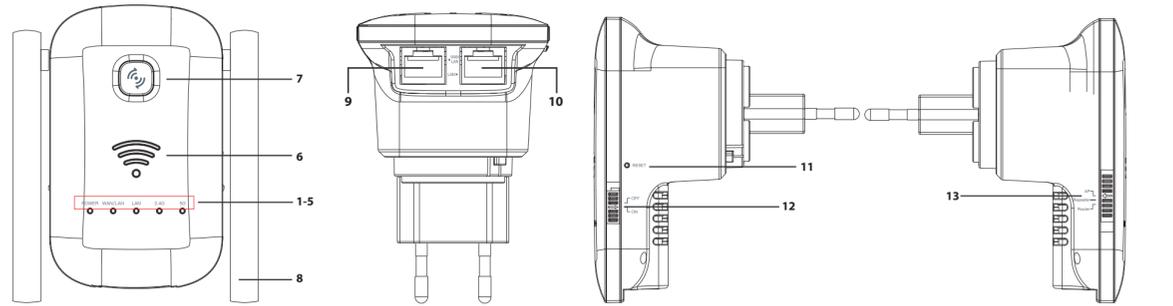


Model: BEC 2090AC

## HARDWARE OVERVIEW & LEDS

### WHAT'S IN THE BOX

- 1 x BEC 2090AC
- 1 x This Quick Install Guide
- 1 x Ethernet (RJ-45) Cable



- |                  |                              |                      |                         |  |
|------------------|------------------------------|----------------------|-------------------------|--|
| 1. Power LED     | 4. Wi-Fi 2.4G Signal LED     | 7. WPS Button        | 10. LAN Port            | 13. Wi-Fi Mode Switch (AP/Repeater / Router) |
| 2. WAN / LAN LED | 5. Wi-Fi 5G Signal LED       | 8. Wi-Fi Antenna x 2 | 11. RESEST Button       |  |
| 3. LAN LED       | 6. Wi-Fi Signal Strength LED | 9. WAN / LAN Port    | 12. Power On/Off Switch |  |

### LED DESCRIPTION



LED	STATUS	DESCRIPTIONS
1. Power	Green	System is up and ready
	Off	Power off
2. WAN / LAN	Green	Ethernet cable is detected. Transmission speed is at 10/100Mbps
	Off	Ethernet cable is not being detected
4. Wi-Fi 2.4G	Green	Wireless connection to 2.4G / 5G network is established
5. Wi-Fi 5G	Blinking	Data being transmitted / received
6. Wi-Fi Signal Strength Indicator		Excellent reception with main router. Signal strength above 75%
		Good reception with main router. Signal strength 50% - 75%
		Weak reception with main router. Signal strength below 25%
	Off	No Wi-Fi connection with any router

### SETUP OPTIONS

- Option 1 (WPS Connection):** Press the WPS button to establish Wi-Fi connection with your primary router. Make sure your router supports WPS.
- Option 2 (Web GUI / Phone UI Configuration):** Use Web Browser (Web UI) or mobile phone (Phone UI) to configure and setup the device.

#### Option 1 Using WPS (Wi-Fi Protected Setup)

#### 1 Device Setup

Plug in the BEC 2090AC to an electric outlet near your primary router.

Wait for the POWER, 2.4G and 5G LEDs turn solid green.

#### 2 Wi-Fi Connection Setup

- Press the WPS button on your primary router.
- Press the button on the BEC 2090AC until you see the light flashes.

The Wi-Fi signal strength indicator LED should turn green solid. If not, please use Option 2, web GUI, to configure the 2090AC again.

If WPS function is not supported on your primary router or WPS method fails to connect, please try with Option 2 using web GUI or phone UI to connect BEC 2090AC with your router.

#### 3 Relocation of the 2090AC

- Plug in the BEC 2090AC about halfway between your primary router and the Wi-Fi dead/weak spot. The location you choose must be within the range of the host network.
- Wait until the LEDs are lit. Make sure the BEC 2090AC is in a location with 2-3 bars lit. If not, relocate the 2090AC closer to the primary router to achieve better signal quality.

#### Option 2 Using Web GUI / Phone UI (Repeater Mode)

#### 1 Power on

Plug in the BEC 2090AC to an electric outlet near your primary router.

Wait for the POWER, 2.4G and 5G LEDs turn solid green.

#### 2 Connect to the BEC 2090AC

For Windows Users

- Unplug the Ethernet cable from your computer (if any).
- Click the Wi-Fi icon on the taskbar and connect to the BEC 2090AC Wi-Fi network, look for SSID: **BEC\_2090AC\_2.4G** or **BEC\_2090AC\_5G**. Then enter Wi-Fi Key **12345678**

For Mac OS X Users

- Unplug the Ethernet cable from your Mac (if any).
- Click the Wi-Fi icon on the taskbar and connect to the BEC 2090AC Wi-Fi network, look for SSID: **BEC\_2090AC\_2.4G** or **BEC\_2090AC\_5G**. Then enter Wi-Fi Key **12345678**

#### 3 Connecting to the Internet

- Launch a web browser and type <http://192.168.68.1> in the address bar. Enter **admin** (all lowercase) for both Username and Password, and then click **Login**.
- The Home GUI of the BEC 2090AC looks like the following screen. Click on "Repeater Wizard" to connect with your primary home router.
- Repeater Wizard will display a list of all available Access Points for selection.
  - Select the SSID, access point, of your primary router.
  - Wireless Security - enter the same wireless key used on the primary router.
  - Assign a new SSIDs of the 2090AC if desired. Default will use **SSID of the router + -2.4G or 5G + -ext**. Example: wan-ap-5G-ext & wan-ap-2.4G-ext.
- Click the "Save" button to save settings. The BEC 2090AC will automatically restart itself without warning. This process may take within a minute. The new settings will not take effect after the restart. After the restart has completed, you may remove and install the BEC 2090AC at the desired location.
- Check the Wi-Fi Signal Strength LED, if you see a solid green light then you have connected with your primary router successfully. Otherwise, please check with your setup again.

**Enjoy!**  
The 2090AC network shares the same Wi-Fi password as the primary router/network but with different SSID.  
To change the SSID of the 2090AC, please refer to Step 3 (Connecting to the Internet) for details.

### FAQ (Frequently Asked Questions)

- Q1: What should I do if my router does not have a WPS button?  
ANS: Please follow instructions Option 2 on how to set up using the browser.
- Q2: How to restore the BEC 2090AC to its default settings?  
ANS: While the power is still on, keep pressing the reset button on the right side of the product for 5 to 10 seconds, and it will restore to factory settings.
- Q3: Why cannot I see the login page after entering <http://192.168.68.1> in the browser?  
ANS: Make sure your PC or phone is connected to the extender network and has disconnected from any other network. Also please make sure your PC or phone is set to obtain an IP address automatically.
- Q4: My signal from the range extender is weak, and keeps dropping off.  
ANS: Please place the extender in a proper location, i.e. where a minimum of 3 router signal strength bar is shown (please check the signal strength of that specific location with your phone or PC)  
If you have other inquiries or need further technical support, please contact with your Internet Service Provider or visit us at [www.bectechnologies.net](http://www.bectechnologies.net)

#### FCC Warning

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.

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 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.

#### Radiation Exposure Statement

To comply with FCC RF exposure compliance requirements, this grant is applicable to only mobile configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

#### For Remote control

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

#### Caution:

- (i) The device for operation in the band 5150 – 5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- (ii) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the EIRP limits specified for point-to-point and non-point-to-point operation as appropriate;