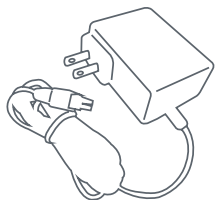


# COR IBR600 Series

## For M2M & IoT Networking



### WHAT'S INCLUDED:



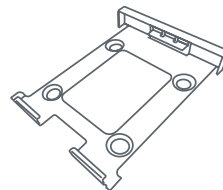
AC Power Adapter



WiFi Antennas  
(on applicable models)



Modem Antennas  
(on applicable models)



Mounting Bracket

### THANK YOU FOR CHOOSING CRADLEPOINT

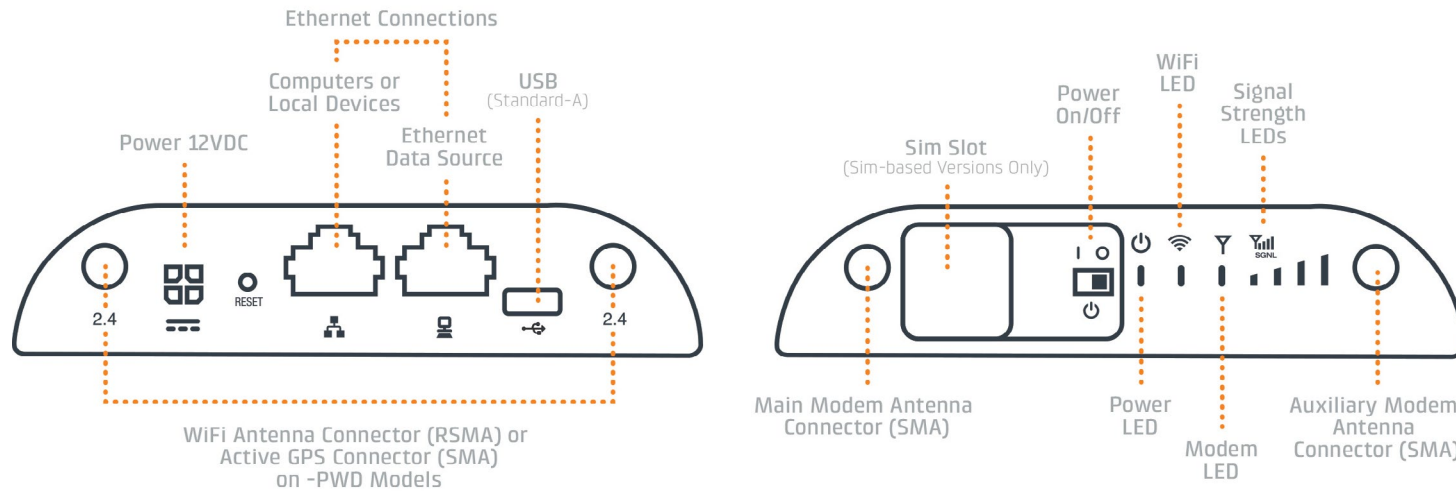
Cradlepoint is the leading provider of secure, cloud-managed 3G/4G/LTE networking solutions for the distributed enterprise with hundreds or thousands of locations. Our broad family of high-performance routers are designed for deployment in mission-critical applications that require 24x7 connectivity.

*Always Connected. Always Protected.*

### COR IBR600 Key Features:

- + Fully integrated router/bridge
- + Integrated 3G/4G modem
- + Semi-ruggedized metal housing
- + Certified for shock & vibration
- + Two Ethernet ports (LAN/LAN or WAN/LAN)
- + WiFi & non-WiFi versions available
- + Built-in GPS with NMEA output

Go to [cradlepoint.com/ibr600](http://cradlepoint.com/ibr600) to learn more.



## DEVICE DETAILS

### Model numbers:

IBR600E	IBR600LPE	IBR600LP3
IBR650E	IBR650LPE	IBR650LP3
IBR600P	IBR600LP2	
IBR650P	IBR650LP2	

### Accessories:

- + Directional Patch & Yagi antennas
- + 12" Mag-mount antenna
- + Omni-directional antennas
- + 4" Mini-mag-mount antenna

## GETTING STARTED

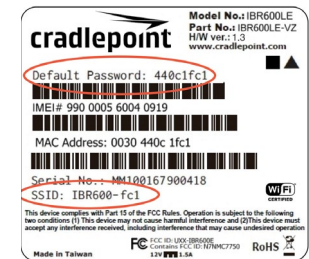
### Setting Up the Router

- + Purchase a data plan. Insert the SIM if model requires.
- + Plug the power supply into an electrical outlet.
- + Connect WiFi (2.4) and modem antennas (finger tight only). Purchase and connect active GPS antenna for -PWD models.
- + Connect the power supply to the IBR600.
- + Ensure power is switched on. 0 = OFF I = ON

## Access the Administration Pages

To make configuration changes to your router, open the IBR600's GUI-based administration pages.

1. Connect to the router via Ethernet or WiFi. For WiFi, the default SSID is found on the product label on the bottom of the router.
2. Open a browser window and type **"cp/"** or **"192.168.0.1"** in the address bar and press return/enter.



3. When prompted for the Administrator password, type the default eight character password found on the product.
4. Upon log in for the first time, you are automatically directed to the First Time Setup Wizard to configure Admin Password, Time Zone, WiFi Security, and WAN Failure Check.

*Note: The power/attention LED will show amber until the user changes the default Administrator and WiFi passwords. Default passwords must be changed to secure the router.*

## FIRST TIME SETUP WIZARD

When you log in to the local administration pages for the first time, you will be automatically directed to the **First Time Setup Wizard**, which will walk you through basic steps to customize your Cradlepoint IBR600/650. You have the ability to configure any of the following:

- + Administrator Password
- + Time Zone
- + WiFi Network Name\*
- + Security Mode
- + Access Point Name (APN)
- + Modem Authentication
- + Failure Check

If you are currently using the router's WiFi network, you will need to reconnect your devices to the network using the newly established wireless network name and password.

To return to the First Time Setup Wizard after your initial login, select 'System > System Control' on the left navigation bar and First Time Setup in the drop-down menu.

To restore the router to its factory default settings, press and hold the RESET button on the side of the device for ten seconds. Reset returns the login password to the default password and resets all configuration changes.

## ACTIVATE YOUR MODEM

A Cradlepoint router requires a data subscription to a wireless broadband data plan to connect to a wireless network. Wireless broadband data plans are available from wireless carriers such as AT&T, Verizon, Sprint, T-Mobile, EE and Vodafone. Carriers offer several different types of data plans and Cradlepoint works with most (Mobile broadband, M2M, and router pricing plans; private and public APNS; and static or dynamic IP address). To add or transfer a line of service you will need to provide a unique identifier such as IMEI/MEID from the Cradlepoint modem. Data plans require a SIM that is supplied and provisioned by the wireless carrier and inserted into the Cradlepoint router or modem.

For more information on activation see [cradlepoint.com/activation](http://cradlepoint.com/activation).



## Deploy and Manage the Intelligent Network with Cradlepoint NetCloud

Cradlepoint NetCloud is a network management and application platform that integrates cloud-based, software-defined networking with your Cradlepoint devices to improve productivity, increase reliability, and reduce costs.

NetCloud includes SD-WAN capabilities and SD-Perimeter to enhance the security and scalability of your network and business operations.

**To learn more and begin a free 30-day trial:**

[cradlepoint.com/netcloud](http://cradlepoint.com/netcloud)

Sales & Support: +1 855-813-3385

## ACTIVE GPS: -PWD MODELS

The IBR600XX-XX-PWD now come with an active GPS connection at 3.3V and 100mA max.

For full functionality you will need to purchase an active GPS antenna separately. The -PWD models include only one WiFi antenna for operation in 1x1 WiFi mode.

## UPDATING NETCLOUD OS

Cradlepoint regularly creates new NetCloud OS packages. You may need to update NetCloud OS to use the IBR600 with new modems and to access our latest features.

1. Log into the administration pages. You may have changed the Administrator Password when you used the First Time Setup Wizard.
2. Select 'System > System Control' on the left navigation bar, then 'System Software' in the dropdown menu.
3. Find the 'NetCloud OS Upgrade' section. This displays the current NetCloud OS version that is installed and indicates if updated versions are available.
4. Click 'Automatic (Internet)' if a new NetCloud OS version is available. The IBR600 will download and install the version and automatically reboot itself. A status monitor will appear and indicate when this process is complete. This process may take several minutes depending on your Internet connection speed.

If your device does not have an active Internet connection, you need to download the latest NetCloud OS version from the Cradlepoint Connect Portal. Then use the 'Manual NetCloud OS Upload' option.

## ROUTER COMMUNICATION / DATA USAGE

The factory default configuration of the router is set to communicate with Cradlepoint and other resources at regular intervals to access the latest NetCloud OS and modem updates, clock synchronization (NTP), and NetCloud Manager membership. Such communication may result in data usage and applicable charges regardless of whether the router uses a wired or wireless Internet connection. To avoid such data usage and potential charges, consult the following Knowledge Base article:

<http://knowledgebase.cradlepoint.com/articles/support/router-communication-data-usage>