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Global Leader in 4G LTE Network Solutions

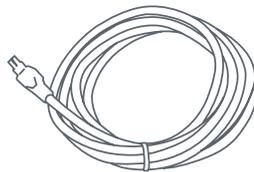# COR IBR1100 Series

MISSION-CRITICAL NETWORKING FOR VEHICLES
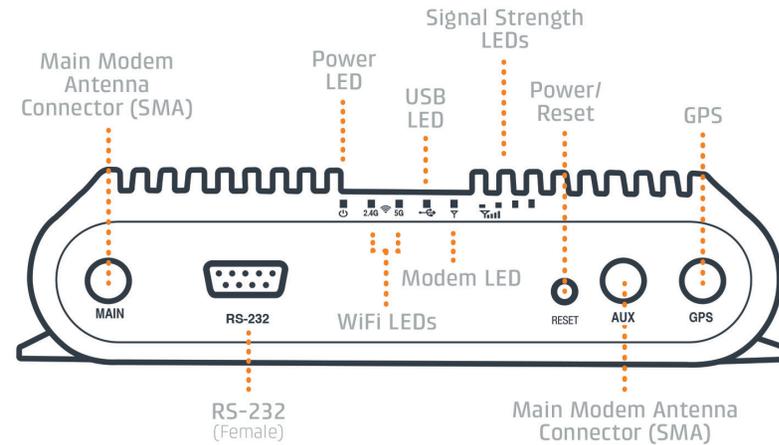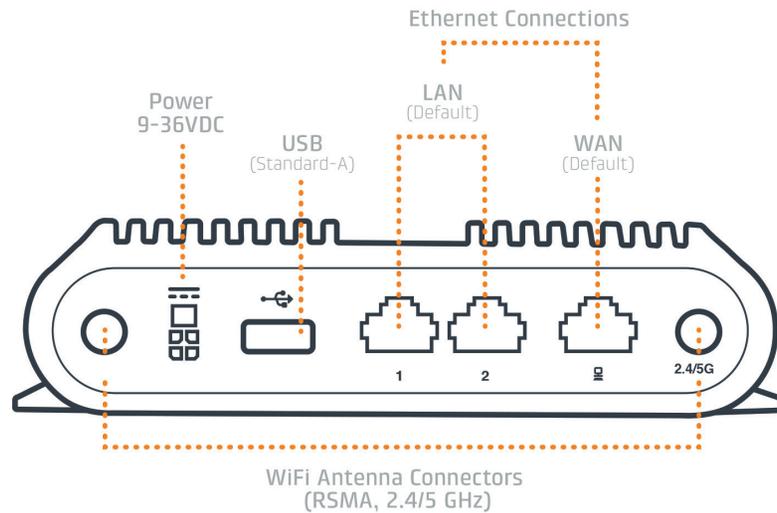
THANK YOU FOR CHOOSING CRADLEPOINT

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 IBR1100 Key Features:

+ Cloud-managed
+ Dual-band, dual concurrent WiFi
+ Ruggedized
+ Ignition sensing
+ 9-36 DC voltage input range
+ Active GPS Support
+ Software defined radio
+ Integrated 3G/4G/LTE modem

Go to **cradlepoint.com/IBR1100** to learn more.

WHAT'S INCLUDED:

Power/GPIO Cable

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Ethernet Connections

Power
9-36VDC

USB
(Standard-A)

LAN
(Default)

WAN
(Default)

1   2   🖳   2.4/5G

WiFi Antenna Connectors
(RSMA, 2.4/5 GHz)

Main Modem
Antenna
Connector (SMA)

Signal Strength
LEDs

Power
LED

USB
LED

Power/
Reset

GPS

Modem LED

MAIN   RS-232   WiFi LEDs   RESET   AUX   GPS

RS-232
(Female)

Main Modem Antenna
Connector (SMA)

IBR1100 DEVICE DETAILS

Model numbers:

IBR1100LPE   IBR1100LP3
IBR1150LPE   IBR1150LP3

Accessories:

+ Dual-Modem Dock
+ COR Power Adapter
+ COR Vehicle Power Adapter
+ COR Power & GPIO Cable

GETTING STARTED

Setting Up the Router

+ Purchase a data plan. Insert the SIM as shown in the following step.

+ Connect WiFi, modem and GPS antennas as desired (sold separately). Finger tight only.

+ Wire power cable to 9-36v power source. (AC power supply sold separately.)

SIM Card Setup

To insert or remove SIM card:

1. Remove bottom SIM cover.

2. Slide metal latch down to unlock.

3. Pull cartridge upward, so it is standing at a 90° angle.

4. Insert SIM card with metal contacts down and notch out.

5. Press cartridge back into place.

6. Return metal latch to start (lock) position.

7. Replace bottom SIM cover.

Note: Device will not power on without cover in place.

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Access the Administration Pages

To make conguration changes to your router, open the IBR1100'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 auto-matically directed to the First Time Setup Wizard to configure Admin Password, Time Zone, WiFi Security, APN and WAN failure check.

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 IBR1100/1150. You have the ability to configure any of the following:

+ Administrator Password

+ Time Zone

+ Security Mode

+ WiFi Network Name*

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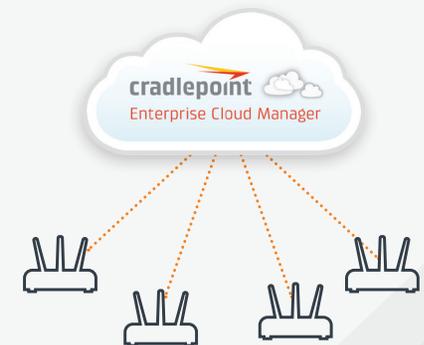
To restore the router to its factory default settings, press and hold the RESET button on the side of the device for ten seconds. Reset returns the login password to the default password and resets all configuration changes.

Deploy and Manage the Intelligent Network with Cradlepoint Enterprise Cloud Manager (ECM)

Cradlepoint's network management and application platform, Enterprise Cloud Manager, integrates cloud management with your Cradlepoint devices to improve productivity, increase reliability, reduce costs, and enhance the intelligence of your network and business operations.

To learn more and begin a free 30-day trial:
services@cradlepoint.com
cradlepoint.com/ecm

cradlepoint
Enterprise Cloud Manager

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.

GPS

The IBR1100 and IBR1150 come with an active GPS connection at 3.3 V and 100 mA max.

For full functionality you will need to use an active GPS antenna. TAIP and NMEA Protocol Support.

UPDATING FIRMWARE

Cradlepoint regularly creates new firmware packages. You may need to update firmware to use the IBR1100 with new modems and to access our latest features.

Via Enterprise Cloud Manager

1. Log in at cradlepointecm.com using your Enterprise Cloud Manager credentials.

2. Navigate to the 'Groups' page.

3. Select a group and click on the Firmware option in the top toolbar. In the dropdown menu that opens, select the desired firmware version. Wait for firmware to load.

Via Firmware Interface

1. Log into the administration pages. You may have changed the Administrator Password when you used the First Time Setup Wizard.

2. From the System menu, select 'System Control' and 'System Software'.

3. Find the 'Firmware Upgrade' section. This displays the current firmware version that is installed and indicates if updated firmware is available.

4. Click 'Automatic (Internet)' if new firmware is available. The IBR1100 will download and install the firmware 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.

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 firmware and modem updates, clock synchronization (NTP), and Enterprise Cloud Manager (ECM) 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:

knowledgebase.cradlepoint.com/articles/support/router-communication-data-usage