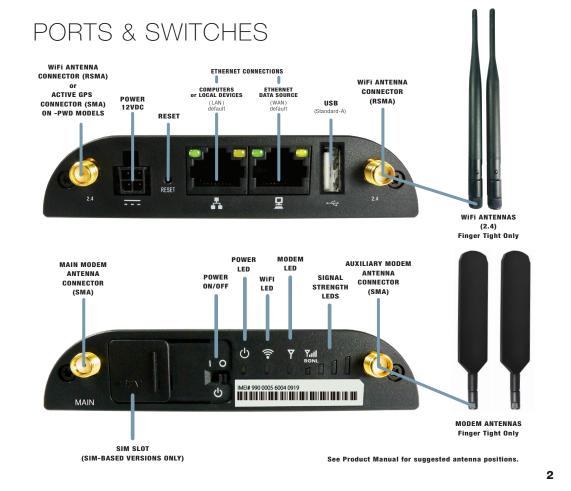
COR IBR600 (Integrated Broadband Router)

QUICK START GUIDE SETTING UP THE ROUTER

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





UPDATING FIRMWARE

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

HOW TO UPDATE FIRMWARE

- Log into the administration pages (see page 3). You may have changed the **ADMINISTRATOR PASSWORD** when you used the FIRST TIME SETUP WIZARD.
- 2. Select SYSTEM SETTINGS on the top navigation bar, then SYSTEM SOFTWARE in the dropdown menu.
- 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 IBR600 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.

If your device does not have an active Internet connection, you need to download the latest firmware from cradlepoint.com/firmware to your desktop. Then use the MANUAL FIRMWARE UPLOAD option.

NOTE: Access to firmware upgrades requires CradleCare Support or Enterprise Cloud Manager.

CRADLEPOINT ENTERPRISE CLOUD MANAGER NEXT GENERATION NETWORK MANAGEMENT AND APPLICATION PLATFORM

Rapidly deploy and dynamically manage networks at geographically distributed stores and branch locations with Enterprise Cloud Manager, Cradlepoint's next generation application platform that will improve productivity, increase reliability, reduce costs, and enhance the intelligence of your network and business operations. Subscription required. See cradlepoint.com/ecm for details.

This important Product Information and Safety Guide contains safety, handling, disposal, regulatory, trademark, copyright, and software licensing information. Read all safety information below and operating instructions before using the IBR600 device to avoid injury.

FEDERAL COMMUNICATION COMMISSION INTERFERENCE 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 quarantee 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 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: 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 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.

IMPORTANT NOTE

FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 25cm between the radiator & your body

To comply with FCC regulations limiting both maximum RF output power and human exposure to RF radiation, for the IBR600E the maximum antenna gain must not exceed 5 dBi in the cellular band and 3 dBi in the PCS band. For the IBR600I E the maximum antenna gain must not exceed 8 dBi in the cellular band. 3 dBi in the PCS band and 10 dBi in the ITE band. For the IBR600LP the maximum antenna gain including cable loss must not exceed 7.5 dBi in the cellular band. 3 dBi in the PCS band. 5.5 dBi in LTE Band 4, and 9 dBi in LTE Band 17. For the IBR600P the maximum antenna gain including cable loss must not exceed 7.5 dBi in the cellular band, 3 dBi in the PCS band. For the IBR600LPE, the maximum cellular antenna gain must not exceed 3dBi for all bands, and the maximum WiFi antenna gain must not exceed 5dBi in the 2.4 and 5GHz bands

SAFETY AND HAZARDS Under no circumstances should the IBR600 device be used in any areas (a) where blasting is in progress, (b) where explosive atmospheres may be present, or (c) that are near (i) medical or life support equipment, or (ii) any equipment which may be susceptible to any form of radio interference. In such areas, the IBR600 device MUST BE POWERED OFF AT ALL TIMES (since the device otherwise could transmit signals that might interfere with such equipment). In addition, under no circumstances should the IBR600 device be used in any aircraft, regardless of whether the aircraft is on the ground or in flight. In any aircraft, the IBR600 device MUST BE POWERED OFF AT ALL TIMES (since the device otherwise could transmit signals that might interfere with various onboard systems on such aircraft). Furthermore, under no circumstances should the IBR600 device be used by the driver or operator of any vehicle. Such use of the device will detract from the driver's or operator's control of that vehicle. In some jurisdictions, use of the IBR600 device while driving or operating a vehicle constitutes a civil and/or criminal offense

For proper and safe vehicle installations, the GPIO accessory cable must be connected to a fused circuit in the vehicle. This fused circuit requires a 1.5A fuse. If the supply connection is made directly to the battery, the fuse should be installed in the positive lead. For North America, a UL Listed fuse is to be used

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 25 cm de distance entre la source de ravonnement et votre corps.

WiFi

ACCESSING THE ADMINISTRATION PAGES

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

1. Connect via Ethernet or WiFi. For WiFi, the default SSID is IBR600-xxx (last 3 characters of the MAC address).

2. Open a browser window and type "cp/" or "192.168.0.1" in the address bar. Press ENTER/RETURN.

3. When prompted for your password, type the eight character **DEFAULT PASSWORD** found on the product label.



Find this label on the bottom of your router

THE FIRST TIME SETUP WIZARD

When you log in for the first time, you are automatically directed to the FIRST TIME SETUP WIZARD, which will help you customize your COR IBR600. Change any of the following:

- Administrator password
- Time zone
- WiFi network name, security mode, and password
- Access Point Name (APN) for SIM-based modems
- WAN failure check mode

If you are currently using the IBR600 WiFi network, you will need to reconnect your devices to the network using the newly established wireless network name and password.

NOTE: To return to the First Time Setup Wizard after your initial login, select GETTING STARTED on the top navigation bar and FIRST TIME SETUP in the dropdown menu.

RESET: To restore the COR IBR600 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.

3

ACTIVATE YOUR MODEM

A wireless broadband data plan must be added to your IBR600. Wireless broadband data plans are available from wireless carriers such as Sprint, Verizon, AT&T, EE, Vodafone, and Clearwire. Mobile broadband, M2M, and router pricing plans are available. To add or transfer a line of service you will need to provide a unique identifier such as ESN for 3G EVDO modems or IMEI/MEID for LTE or HSPA+ modems. LTE and HSPA+ plans require a SIM. SIM provisioning for LTE and HSPA+ models is done the same way as for USB modems. Once provisioned insert the SIM into the router until it clicks into place, close the SIM door, and turn on the power switch. After adding a data plan to the Verizon 3G EVDO model the modem may need to be activated. Log into the IBR600 administration pages (see page 3) and select Internet from the top navigation bar and then Connection Manager from the dropdown menu. Find and select the Cradlepoint "EVDO Modem" and click Control and then click Activate. When modem activation is complete, confirm the modem LED is solid green on the router.

For more information on activation see cradlepoint.com/activation.

The NM (no module) units do not have an integrated modem. An attached USB modem may require activation.

SPECIAL FEATURES

IPSec VPN End-Point Support GRE Tunneling Data Usage Management & Alerts **GPIO** Interface **GPS** (if supported by modem) Failover/Failback WiFi Hotspot Services (Captive Portal) IP Passthrou WiFi as WAN & Dual SSIDs VLAN Support Cradlepoint Enterprise Cloud Manager USB to Serial Console Passthrough Support LAN/WAN Affinity BGP/OSPF/RIP

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.

To learn more about features, visit **cradiepoint.com/IBR600**

CE

Due to the nature of wireless communications, transmission and reception of data by the IBR600 device can never be guaranteed, and it is possible that data communicated or transmitted wirelessly may be delayed, corrupted (i.e., contain errors), or totally lost. The IBR600 device is not intended for, and Cradlepoint recommends the device not be used in any critical applications where failure to transmit or receive data could result in property damage or loss or personal injury of any kind (including death) to the user or to any other party. Cradlepoint expressly disclaims liability for damages of any kind resulting from: (a) delays, errors, or losses of any data transmitted or received using the device; or (b) any failure of the device to transmit or receive such data.

Warning: This product is only to be installed by gualified personnel

For product available in the USA/Canada market, only channel 1-11 can be operated. Selection of other channels is not possible. This device and its antenna(s) must not be co-located or operated in conjunction with any other antenna or transmitte

ndustry Canada Statement

This device complies with RSS-210. RSS-102, and RSS-Gen of the Industry Canada Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accent any interference received, including interference that may cause undesired operation

IMPORTANT NOTE: Radiation Exposure Statement

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 25cm between the radiator and your body.

This device has been designed to operate with cellular antennas having a maximum gain of 3 dBi. Antennas having a higher gain are strictly prohibited per regulations of Industry Canada. The required antenna impedance is 50 ohms.

This device has been designed to operate with WiFi antennas having a maximum gain of 5 dBi. Antennas having a higher gain are strictly prohibited per regulations of Industry Canada. The required antenna impedance is 50 ohms.

Déclaration d'Industrie Canada

Ce dispositif est conforme à la norme CNR-210, CNR-102, et CNR-Gen d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est suiet aux deux conditions suivantes; (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage recu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

NOTE IMPORTANTE (Pour l'utilisation de dispositifs mobiles): Déclaration d'exposition aux radiations

Ce dispositive a ete concu pour fonctionner ave une antenna cellulaire ayant un gain maximal de 3 dBi. Une antenne a gain plus eleve est strictement interdite par les reglemnets d'Industrie Canada. L'impedance d'antenne requise est de 50 ohms.

Ce dispositive a ete concu pour fonctionner ave une antenna WiFi avant un gain maximal de 5 dBi. Une antenne a gain plus eleve est strictement interdite par les reglements d'Industrie Canada. L'impedance d'antenne requise est de 50 ohms.

INFORMATION FOR EUROPE, DECLARATION OF COMPLIANCE Cradlepoint, Inc declares that the IBR600 is in compliance with the essential requirements of the R&ITE Directive 1999/5/EC, Enerov Related Products Directive 2009/125/EC, Electromagnetic Compatibility Directive 2004/108/EC, Low Voltage Directive 2006/95/EC, and RoHS2 Directive 2011/65/EU.

A copy of the original European DoC may be obtained from cradlepoint.com/product-certification AT BE BG CY CZ DK EE FI FR DE GR HU IE IT LV LT LU MT NL PL PT RO SK SI ES SE GB IS LI NO CH TR

To comply with RF Exposure requirements, the product must be installed and operated with a minimum separation distance of 25 cm between the antennas and nearby persons

RECYCLING AND ENVIRONMENTAL INFORMATION To find information on Cradlepoint's commitment to our environment and how to responsibly recycle Cradlepoint products, please visit cradlenoint com

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WARRANTY INFORMATION Cradlepoint, Inc. warrants this product against defects in materials and workmanship to the original purchaser (or the first purchaser in the case of resale by an authorized distributor) for a period of one (1) year from the date of shipment. This warranty is limited to a repair or replacement of the product, at Cradlepoint's discretion as purchaser's sole and exclusive remedy. Cradlepoint does not warrant that the operation of the device will meet your requirements or be error free. Within thirty (30) days of receipt should the product fail for any reason other than damage due to customer negligence, purchaser may return the product to the point of purchase for a full refund of the purchase price. If the purchaser wishes to upgrade or convert to another Cradlepoint. Inc. product within the thirty (30) day period, purchaser may return the product and apply the full purchase price toward the purchase of another Cradlepoint product. Any other return will be subject to Cradlepoint, Inc.'s existing return policy.

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7