

Small Business Mobile Broadband Router



3G/4G Wireless WAN Connectivity for Small Business or Remote Office

Setup Guide

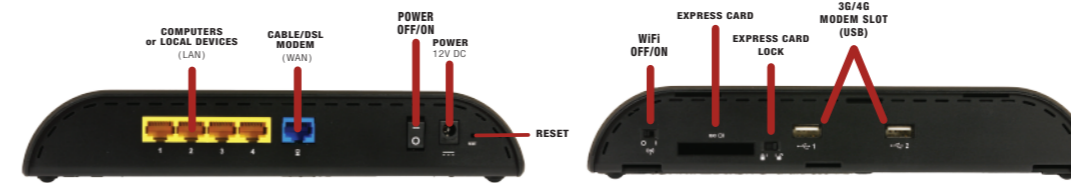
SETTING UP THE ROUTER

- 1) Plug the power supply into an electrical outlet.
- 2) Connect the power supply to the MBR1200B. Ensure power is switched on. = OFF = ON
- 3) Connect a: USB or Express Card Wireless Broadband Data Modem with Active Subscription, or a Cable, DSL, Satellite, T1, T3, Ethernet Modem.



for more information about your product, visit: www.cradlepoint.com/mbr1200b

PORTS, SWITCHES & LEDs



LEDs

- POWER**
solid green: on
- LAN**
solid: connected
blinking: traffic activity
- WAN**
solid: connected
blinking: traffic activity
- USB TYPE A MODEM STATUS**
solid green: connected
blinking green: connecting
- EXPRESS CARD MODEM STATUS (EC)**
solid green: connected
blinking green: connecting
- WPS**
solid: active
blinking: setting in progress
- WIFI 2.4GHZ**
solid: on
blinking: traffic activity
- FAILOVER LED**
off: primary WAN operating normally
green: secondary WAN is in use
- 3G/4G MODEM STRENGTH**
signal strength, blinking indicates 1/2 bar
- ATTENTION LED**
green: check for courtesy message
amber: attention
solid red: device booting or critical system error such as "no WAN is available"

CONNECTING YOUR COMPUTER

After you connect your modem to the router, you're now ready to connect to the MBR1200B via Ethernet or WiFi. If using WiFi ensure the WiFi switch is set to on "I".

Default SSID: MBR1200B-xxx

Internal 802.11n WiFi antennas provide up to 600 feet of range from the CradlePoint router to your connected computers or WiFi-enabled devices.

Find your default password on the bottom of your router (last 8 characters of your MAC Address).

NOTE: If you are asked for an "8-digit PIN", click **CONNECT USING A SECURITY KEY** and enter your **eight character default password** found on the bottom of your router.

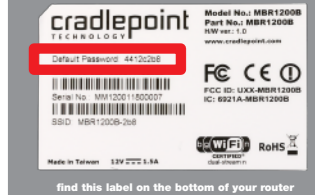
For additional information, visit:
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FINDING YOUR PASSWORD

Your unique default password is shown on the product label on the bottom of your router. It's the last **eight characters of the MAC Address**.

You will be asked for this password when you connect a new device to the WiFi network or log into the administration pages.

The default password provides WiFi security out-of-the-box.



find this label on the bottom of your router

USING THE FIRST TIME SETUP WIZARD

The First Time Setup Wizard will help you customize the name of your wireless network, change passwords to something you choose, and establish an optimal WiFi security mode. The MBR1200B comes with a unique password creating built-in WiFi Security, which prevents unauthorized users from connecting to your WiFi network.

- 1) Connect your computer to the MBR1200B via its WiFi network broadcast or an Ethernet cable.
 - 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 product label (the last eight characters of the MAC Address).
 - 4) When you log-in for the first time, you will be automatically directed to the **FIRST TIME SETUP WIZARD.**
 - 5) If you choose, you can change the router’s **ADMINISTRATOR PASSWORD.** Then, select your **TIME ZONE.** Click **NEXT.**
 - 6) CradlePoint recommends you customize your WiFi Network Name. Type in your personalized Wireless Network Name here. You can also enable the Guest Network feature (see description on page 7).
- Choose the **WIFI SECURITY MODE** that best fits your needs: **POOR** for **WEP**, **GOOD** for **WPA/WPA2** and **BEST** for **WPA2 Only.** (*Make sure your PC or other devices support the mode you choose.*).
- Choose a personalized **WIRELESS SECURITY PASSWORD.** This password will be used to reconnect your devices to the router once the security settings have been saved. Click **NEXT.**
- 7) If necessary, select your 4G WiMAX Realm. Using a 3G or LTE modem no selection is necessary. Click **NEXT.**
 - 8) Review the details and record your wireless network name, administrative and wireless WPA password. Click **APPLY** to save the settings to your router.

If you are currently using the MBR1200B WiFi network, reconnect your devices to the network using the new wireless network name and wireless security password. **5**

MODEM SUPPORT & UPDATES (FIRMWARE)

CradlePoint regularly makes new modem support and performance enhancements available for our products in a software package called “firmware”. Updating firmware ensures your MBR1200B is ready for today and tomorrow’s technology.

To Update Your Firmware, Follow The Steps Below:

- 1) Connect your computer to the MBR1200B via its WiFi network broadcast or an Ethernet cable.
- 2) Open a browser window and type “**192.168.0.1**” in the address bar. **PRESS ENTER/RETURN.**
- 3) Enter your password to login. **Your unique password is the administrator password you set earlier or the default password found on the bottom label (last 8 characters of the MAC Address).**
- 4) Select **SYSTEM SETTINGS** on the top navigation bar, then **SYSTEM SOFTWARE** in the drop down menu.
- 5) Find the **FIRMWARE UPGRADE** section. This will display the current firmware version that is installed and indicate if updated firmware is available.
- 6) Click **AUTOMATIC (Internet)** if new firmware is available. The router 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.
- 7) If your router does not have an active internet connection (ie: modem not working on older firmware) you will need to use another Internet connection to download the latest firmware from www.cradlepoint.com to your desktop, then use **MANUAL FIRMWARE UPLOAD** option.

6

SPECIAL FEATURES

REMOTE MANAGEMENT

WiPipe™ Central, SNMP v1,2,3

GUEST WIFI NETWORK

Two SSIDs, with individual security settings, separate critical traffic or create a public WiFi hotspot.

WIFI-as-WAN

Enables use as a WiFi repeater, WiFi Bridge or as a WiFi-to-Ethernet adapter for Ethernet-enabled devices.

DATA USAGE MANAGMENT AND ALERTS

Monitor data usage and avoid overages

VPN SUPPORT

IPSec VPN (2 sessions) with GRE tunneling option, also supports pass-through VPN connections (IPSec, L2TP, PPTP)

FAILOVER/FAILBACK

Automatic failover to secondary wireless or wired WAN connection when the primary WAN connection is disrupted.

Automatic failback when primary connection comes back online.

LOAD BALANCING

Distribute traffic across multiple wired and wireless WANs to increase bandwidth and relieve congestions.

RESET: To restore the router to its factory default settings, press and hold the **RESET** button on the side of the router for ten seconds. Reset returns the login to the **DEFAULT PASSWORD** (the last eight characters of the MAC address) and resets all configuration changes.

7

FEDERAL COMMUNICATION COMMISSION STATEMENT
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.

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 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 transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Industry Canada statement:
This device complies with RSS-210 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 accept any interference received, including interference that may cause undesired operation.

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

RF EXPOSURE SAFETY NOTICE:
To comply with FCC/IC RF Exposure Limits set forth for an uncontrolled environment, the product must be installed and operated with a minimum separation distance (between nearby person(s) and radiating antenna) according to the following scenarios:

1. 20cm minimum when the product is operated alone without co-transmitting with a plug-in 3G USB dongle device.
2. 45cm minimum when the product is operated with a plug-in 3G USB device which has maximum of 7W ERP output power.
3. For co-transmission scenario which is not covered above, please consult the RF technician or device supplier.

AVERTISSEMENT DE SECURITE CONCERNANT LES EXPOSITIONS AUX FREQUENCES RADIO
Pour être conforme aux limites d’exposition aux fréquences radio FCC/IC établies pour un environnement non contrôlé (utilisation par le grand public), l’équipement doit être installé et utilisé en laissant une distance de séparation de sécurité (entre la ou les personnes présentes dans le périmètre et l’antenne d’émission) selon les cas suivants :

1. 20cm au minimum quand le produit est utilisé seul sans co-transmettre à l’aide d’un appareil 3G USB enfichable.
2. 45cm au minimum quand le produit est utilisé avec un appareil 3G USB enfichable ayant une puissance de sortie maximale de 7W ERP.
3. Dans des cas de co-transmission non mentionnés ci-dessus, merci de bien vouloir consulter un technicien radio qualifié ou directement le fabricant de l’appareil.

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. 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.

SAFETY AND HAZARDS
Due to the nature of wireless communications, data transmission and reception is not guaranteed and may be delayed, corrupted (i.e., contain errors), or lost. The device is not intended for and should not be used in any critical applications where failure to transmit or receive data properly could result in property damage, loss or personal injury of any kind (including death). 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.

LIMITATIONS OF LIABILITY
THE REMEDIES PROVIDED HEREIN ARE YOUR SOLE AND EXCLUSIVE REMEDIES. IN NO EVENT SHALL CRADLEPOINT INC. BE LIABLE FOR ANY LOST PROFITS, DIRECT, INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, WHETHER BASED ON CONTRACT, TORT, OR ANY OTHER LEGAL THEORY.

PRIVACY
CradlePoint may collect general data pertaining to the use of CradlePoint products via the Internet including, by way of example, IP address, device ID, operating system, browser type and version number, etc. To review CradlePoint’s privacy policy, please visit: <http://www.cradlepoint.com/privacy>.

8