

# Business Continuity for Network Failover setup guide

## PACKAGE Includes

Business Wireless Router  
Wall Charger (12v)  
Ethernet Cable (5-feet)  
Mounting Hardware (2x)  
Setup Guide





The CradlePoint Business Wireless Router (MBR1400) is built to work in tandem with our Business Modem and provides a network connection effortlessly from its source to your network.

You can also connect additional USB and ExpressCard modems.

Designed for small businesses, branch offices, and retail locations, the MBR1400 provides primary connection via 4G/3G wireless broadband networks as well as traditional wired networks.

With features like failover/fail back, secure VPN, multiple encryption modes, dual band WiFi broadcast (2.4 GHz and 5 GHz), and WiFi as WAN, your primary business router has never been so flexible and affordable.

**NOTE: MBR1400 itself does not build in WiMAX radio inside.**

## Getting Started

### 1. Connect the Business Grade Modem to the Router.

Keep the router in the OFF position until the modem is securely connected. Align the security tabs on the integrated modem with the matching router slots. Squeeze the router and modem together to connect. The USB end of the modem will connect into its appropriate slot when aligned properly. Secure the modem with included screws.

### 2. Connect to a Power Source.

Connect the router to the provided power supply (12 volt wall). When you turn the power switch to the ON position, watch for the USB#2 modem LED to illuminate. When the LED is lit with a solid green light, this indicates that the business grade modem is properly connected.

### 3. Connect to a Computer or other Network Equipment.

In order to access the MBR1400, establish a connection to the router with either an ethernet cable or via the WiFi broadcast. The default password is provided on the product label found on the bottom of your router. The default password is last eight characters of the MAC address.

### 6. Determine the Best Location.

After the modem is connected and data service established, the Signal Strength LEDs on the MBR1400 will illuminate 1-4 bars (see LEDs on page 10). Move the device to different locations to find the strongest WiMAX signal you can receive (4 bars). Place near a window or in an unobstructed areas for best reception.

### 7. Use.

For most users, the NFS1400W Router and Business Grade Modem can be used immediately without any special configuration changes. If you'd like to change your network name, level of WiFi security, etc. follow the First Time Setup Wizard steps on page 8.

The default WiFi network name broadcast will be seen as "MBR1400\_xxx", where "x" is the last three characters of your MAC address.

#### **Warning:**

Read me before plug in your modem card in to MBR1400W device

System can not activate more than two ports at a time.

System can enable one EC port and one USB port at a time.

\*\* Tested 3G dongle (FCC ID:N7NAC880E) and Express card (FCC ID:QISE219) can be used with the MBR1400. Other dongle(s)/card(s) have not been verified and may not comply with FCC relevant rule(s).



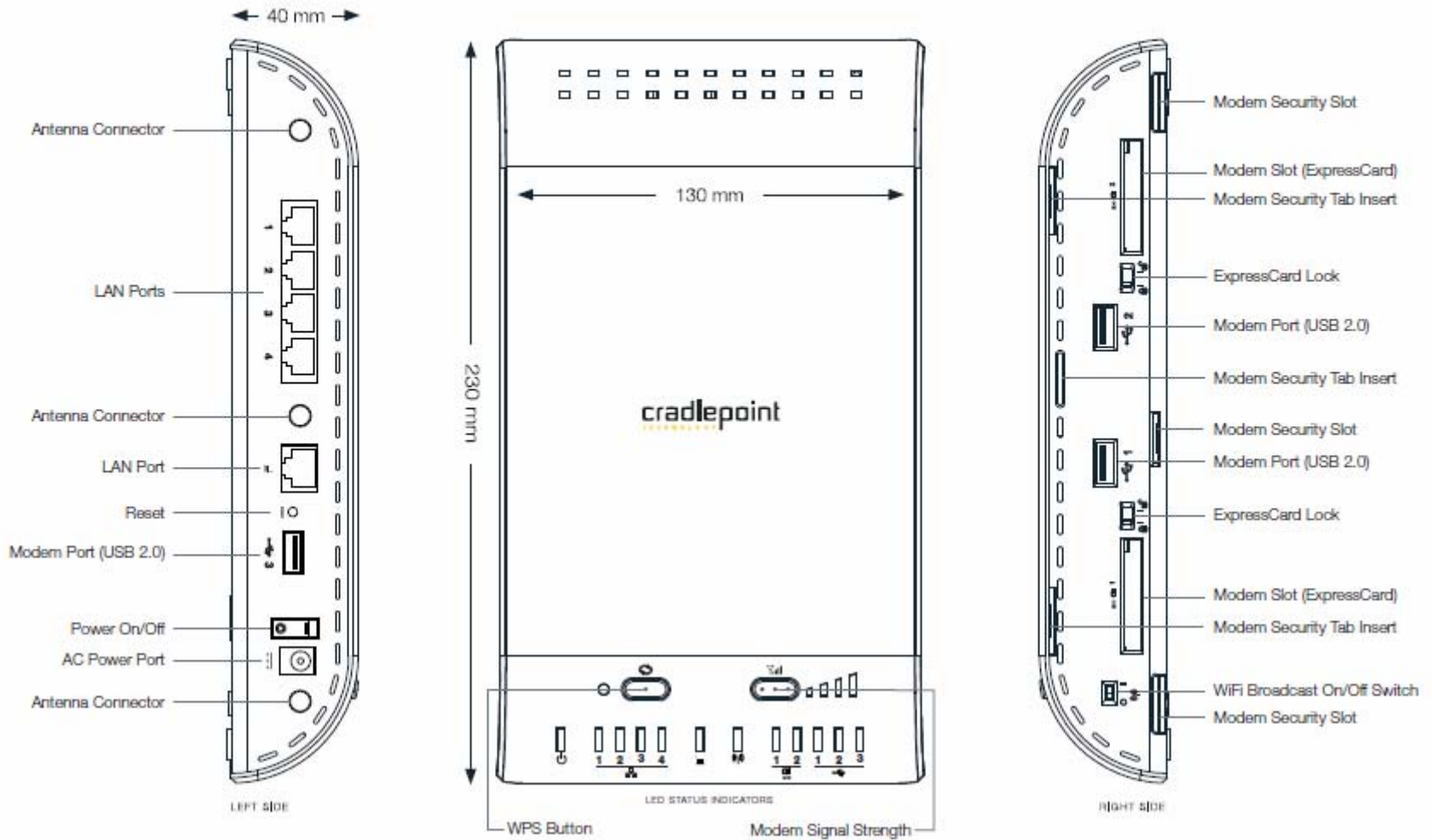
## First Time Setup Wizard

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 MBR1400 comes built-in with a unique password creating WPA2 WiFi Security.

- 1) Open a browser window and type “**cp**” or “**192.168.0.1**” in the address bar. Press enter/return.
- 2) When prompted for your password, type the eight character **Default Password** found on product label.
- 3) When you log-in for the first time, you will be automatically directed to the **FIRST TIME SETUP WIZARD**.
- 4) **STEP 1/3:** If you choose, you can change the router’s **DEFAULT ADMINISTRATOR PASSWORD**. Then, select your **TIME ZONE**. Click **NEXT**.
- 5) **STEP 2/3:** CradlePoint recommends you customize your WiFi Network Name. Type in your personalized Network name here. You can also enable the Guest Network feature (see description on page XX).  
  
Choose the **WIFI SECURITY LEVEL** that best fits your needs: **POOR** for **WEP**, **BETTER** for **WPA** or **WPA2** and **BEST** for **WPA2 Only**. ( Make sure your PC or other devices support the mode you choose ). Click **NEXT**.
- 6) 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) **STEP 3/3:** Review the details and record your wireless network name, administrative and wireless WPA password. Click **APPLY** to save the settings and update them to your router.

*NOTE: If you are currently using the MBR1400 WiFi network, reconnect your devices to the network using the new wireless network name and security password.*

# Ports and Features of the Router ( MBR1400 )



## LED Information



**SIGNAL STRENGTH BUTTON** Blue LED bars indicate the active modem's signal strength and will show for 10 seconds. 4 Solid Bars = strongest signal 1 Blinking Bar = weakest signal



**POWER** The MBR1400 must be powered using an approved power source.  
Green = Powered On. No Light = Not receiving power. Check that the unit is connected to an outlet.



**NETWORK LAN CONNECTION** Indicates a connected device on the 1-4 LAN ports on the MBR1400.  
Green = Connected to an active Ethernet interface, blinking lights indicate traffic. No Light = not connected to Ethernet, the connection is not configured correctly, or switch or router are not configured correctly or turned on.



**WPS** WiFi Protected Setup. When you press the WPS button for five seconds, it allows you to use WPS for your WiFi security. Blinking Blue = WPS setting is in progress. Solid Blue = WPS is active.  
CradlePoint recommends using WPA2 or better WiFi Security.



**WAN CONNECTION** Indicates information about a data source connected to the WAN port.  
Green = Connected to an active Ethernet interface, blinking lights indicate traffic. No Light = not connected to Ethernet, the connection is not configured correctly, or switch or router are not configured correctly or turned on.



## LED Information



**WiFi BROADCAST** Indicates activity on the WiFi broadcast for both the 2.4GHz and 5GHz bands.  
Green = 2.4 GHz WiFi is on and operating normally. Blinking Green = 2.4 GHz WiFi activity.  
Blue = 5GHz WiFi is on and operating normally. Blinking Blue = 5GHz WiFi activity.  
Blinking Red = Error with 2.4GHz or 5GHz connection.



**USB MODEMS** Indicates the status of any USB modems connected to the MBR1400. While the Business Grade Modem is attached, you will have the ability to connect additional modems. The Business Grade Modem LED information will be show on LED #2.  
Green = Modem has established an active connection. Blinking Green = Modem is connecting.  
Amber = Modem is not active. Blinking Amber = Data connection error. No modem connection possible.  
Blinking Red = Modem is in the process of resetting.



**EXPRESS CARD MODEMS** Indicates the status of any ExpressCard modems connected to the MBR1400.  
Green = Modem has established an active connection. Blinking Green = Modem is connecting.  
Amber = Modem is not active. Blinking Amber = Data connection error. No modem connection possible.  
Blinking Red = Modem is in the process of resetting.



## Troubleshooting

You may need to update the CradlePoint MBR1400 firmware to support future feature development or to use with new modems. For more information, visit **[knowledgebase.cradlepoint.com](https://knowledgebase.cradlepoint.com)**.

### HOW TO DOWNLOAD FIRMWARE

- 1) Navigate to the product page **[www.cradlepoint.com/mbr1400](https://www.cradlepoint.com/mbr1400)**
- 2) Scroll to the bottom of the page, mouse over **FIRMWARE**, and download the most current version of the firmware and modem driver. *Firmware 1.7.5 or later is required for full functionality of the router and business grade modem.*

### HOW TO UPDATE FIRMWARE

- 1) Connect your computer to the CradlePoint router with an Ethernet cable.
- 2) Open a browser window and type **"cp"** or **"http://192.168.0.1"** in the address bar. Press enter/return.
- 3) When prompted for your password, type the default password found on the MBR1400 product label.
- 4) Select **TOOLS** on the top navigation bar, then FIRMWARE in the left menu.
- 5) Find **MANUALLY UPGRADE FIRMWARE** and click the **BROWSE** button.
- 6) Select the firmware file you saved to your desktop and click **OPEN**.
- 7) Click the **UPLOAD** button. Wait a moment while your firmware is updated and the product reboots.

## Warranty, Safety, and Privacy Information

### 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.

### 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.

### 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.

### 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>.

## **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 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.

For operation within 5.15 ~ 5.25GHz frequency range, it is restricted to indoor environment.

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 20cm between the radiator & your body.

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

The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination. The firmware setting is not accessible by the end user.



## **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.

## **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 20cm between the radiator & your body.

NOTE IMPORTANTE: (Pour l'utilisation de dispositifs mobiles)

Déclaration d'exposition aux radiations:

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 20 cm de distance entre la source de rayonnement et votre corps.

### **Caution:**

The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel mobile satellite systems.

Le dispositif fonctionnant dans la bande 5150-5250 MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

This radio transmitter (the Canada certification number: 6921A-MBR1400 / IC: MBR1400 ) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio (the Canada certification number: 6921A-MBR1400 / IC: MBR1400 ) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

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

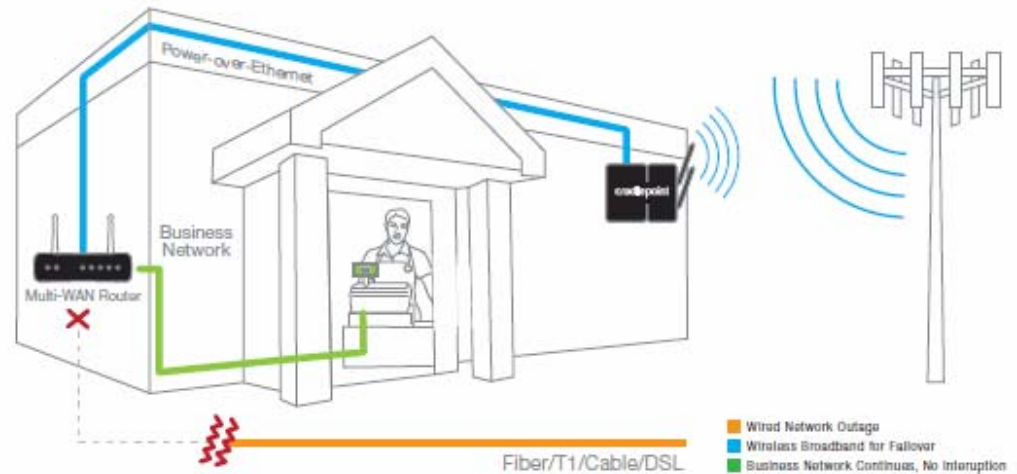
Ce dispositif a été conçu pour fonctionner avec une antenne ayant un gain maximal de 5 dBi. Une antenne à gain plus élevé est strictement interdite par les règlements d'Industrie Canada. L'impédance d'antenne requise est de 50 ohms

## Business Continuity For Network Failover Made Simple.

**Maximize your business network uptime with high-speed wireless broadband backup.**

### FEATURES

- Support for retail POS and Ethernet IP-based systems/applications...now and in the future
- Flexible installation with antenna remoting provides highest level of 4G performance
- Continuous uptime with optimum total cost of ownership for broad deployment
- Business Grade Modem for security and highest level of uptime
- Standardized platform and centralized remote management
- Enterprise-level security features
- Simple to install, configure and maintain - minimal impact on IT



To learn more, visit

[www.cradlepoint.com/XXXXXXXXXXXX](http://www.cradlepoint.com/XXXXXXXXXXXX)

or call **+1 208.908.4348**