Configure CradlePoint 1000

These are the steps to configure the CradlePoint 1000 Router to work with the Bullet radio as a Wi-Fi extension unit.

Assumptions:

The PC is directly connected with a CAT-5 cable to the CradlePoint 1000. Note – it is possible to do this configuration in wireless mode but not recommended..

The PC's IP address has been set to automatically receive its IP Address from the router, the normal settings for a LAN connection.

The MBR1000 will be booted a few times during the setup process. It is better to do the changes in steps than to do them all at once.

Configuration Steps

1. Open a web browser like Internet Explorer or Firefox.

| (→) (2) 192.168.0.1 ← (P - →) | 🧭 Blank Page 🛛 🗙 | • • • × ∞ • ★ ∞ |
|--|---|----------------------------------|
| <u>File Edit View Favorites Iools H</u> elp x Google | 💌 🛂 Search • 🕫 • 📲 • 🥎 🧭 👰 • 🎲 Bookmarks • 💙 | sign In • × LEXMARK ▼ |
| 🚕 ❷! 01My Yahoo! 🛳 02_Weather 🗍 03_DMBruss | 🐠 04_eBay 🊜 05_Escapees 🗿 06_DRUDGE 🎉 Comics 👻 🕌 Hughes | 🕶 📙 Dish 👻 길 Stuff 👻 🎦 LogMeIn 🤍 |

In the **URL Address field** of the browser, type *192.168.0.1*. This is the default address of the CradlePoint 1000.

Hit the Enter Key.

2. In the ADMINISTRATIVE **LOGIN Window**:

| | epoint |
|---|---|
| | |
| | ADMINISTRATION LOGIN |
| | The default password is the last six digits of the router's MAC address. Password : •••••• Log In NOTE: If you want to connect non-browser based wireless devices (such as IP phones, cameras, gaming consoles, and televisions) to your router, you must disable the User Login requirement. To disable User Login, login to the router as the Administrator, select Tools->User Login, then disable the setting. |
| L | Copyright © 2009 CradlePoint, Inc. All rights reserved. |

Enter the last *6 digits* of the MBR1000's *MAC* address found on the side panel of the MBR1000 product box or the bottom of the MBR1000 in the **PASSWORD** field. This is the default password,

Click the **LOGIN** button.

3. In the **STATUS** screen:

| | epoint | | | |
|------------------|---------------------------------------|--------------------------------|---------------------------|----------------------|
| BASIC | ADVANCED MODEM | TOOLS | STATUS | HELP |
| Status | | | | |
| DEVICE INFO | DEVICE INFORMATION | | | |
| ACTIVE SESSIONS | All of your Internet and network cor | nection details e displayed | d on this page. The firmv | vare version is also |
| LOGS | displayed here. | | | |
| ROUTING | | | | |
| STATISTICS | GENERAL | | | |
| WIRELESS (WI-FI) | SERENAL | | | |
| WISH SESSIONS | Time : | Thu Jun 10 2004 10:42:12 | AM | |
| | Firmware Version : WiMAX Version : | 1.7.5, 2010/11/23 U 5.2.226 | pdate Available! | |
| | | | | |
| | LAN | | | |
| | MAC Address : | 00:30:44:0C:D8:F5 | | |
| | IP Address : | 192.168.12.1 | | |
| | Subnet Mask : | 255.255.255.0 | | |
| | DHCP Server : | | | |
| | WIRELESS (WI-FI) LAN | | | |
| | Wireless Radio : | Enabled | | |
| | WISH : | Active | | |
| | MAC Address : | 00:30:44:0C:D8:F5 | | |
| | Network Name (SSID) : | RedRover_N | | |

Click on the **TOOLS** top tab..

4. In the **TOOLS** screen:

| | epoint |) | | | |
|------------------|-----------------------|--------------------|-------------------------|-----------------------------|---------------------|
| BASIC | ADVANCED | MODEM | TOOLS | STATUS | HELP |
| Tools | | | | | |
| ADMIN | ADMINISTRAT | OR SETTING | S | | |
| DYNAMIC DNS | The 'admin' account | can access the m | anagement interface. | | |
| EMAIL SETTINGS | All routers have a fa | ctory-configured p | assword by default, but | it is highly recommended th | nat you create your |
| FIRMWARE | own password to ke | ep the router more | e secure. | | |
| MANAGED SERVICES | Save Settings | Don't Save Se | ttings | | |
| SCHEDULES | | <u>.</u> | | | |
| SNMP | SVSTI LIANC | IACE | | | |
| SYSLOG | SYSTITLANG | UAGE | | | |
| SYSTEM | Syste | m Language : | English 💌 | | |
| SYSTEM CHECK | | | | | |
| TIME | ADMIN PASSW | ORD | | | |
| USER LOGIN | Please enter the s | ame password i | nto both boxes, for co | nfirmation. | |
| | | Password . | | | |
| | Vari | frassword : | | | |
| | | ly rassword . | | | |
| | SYSTEM NAME | 6 | | | |
| | Ga | teway Name : | CradlePoint: MBR-1000 | | |
| | ADMINISTRAT | ION | | | |
| | Inactiv | ity Time Out : | 15 | (minutes) | |

It is wise to change the password of your CradlePoint MBR1000 to something easier for you to remember. Change the password by entering a new password of your choice in the **Password** field and the **Verify Password** field.

Finish up by clicking the **Save Settings** button.

5. In the **SUCCESS** screen:

| | epoint | | | | |
|------------------|-----------------|-------------------------|----------------------------|---------------------------|-------------------|
| BASIC | ADVANCED | MODEM | TOOLS | STATUS | HELP |
| Basic | | | | | |
| WIZARD | SUCCESS | | | | |
| DHCP | The new setting | gs have been applied. | | | |
| NETWORK | Press the butto | n below to continue con | figuring the router if the | nrevious nage doesn't res | tore in 4 seconds |
| WAN | | | ngoning are routed in are | premos page accortence | |
| WIRELESS (WI-FI) | Continue | | | | |
| | | Copyright | © 2009 CradlePoint, Inc | c. All rights reserved. | wipipe |

Click on the **Continue** or wait and the router will continue on by itself after a time period.

6. In the ADMINISTRATIVE **LOGIN scree**n:

| epoint | |
|--|---------|
| ADMINISTRATION LOGIN The default password is the last six digits of the router's MAC address. Password : •••••• Log In NOTE: If you want to connect non-browser based wireless devices (such as IP phones, cameras, gaming consoles, and televisions) to your router, you must disable the User Login requirement. To disable User Login, login to the router as the Administrator, select Tools->User Login, then disable the setting. | |
| Copyright © 2009 CradlePoint, Inc. All rights reserved. | wipipe. |

This time enter the new password you set in the last operation.

7. In the **STATUS** screen:

| | epoint | | | |
|------------------|--------------------------------------|-------------------------------|--------------------------|----------------------|
| BASIC | ADVANCED MODEM | TOOLS | STATUS | HELP |
| StatAs | | | | |
| EVICE II | DEVICE INFORMATION | | | |
| CTIVE SI SIONS | All of your Internet and network cor | nnection details are displaye | d on this page. The firm | ware version is also |
| OGS | displayed here. | | | |
| OUTING | | | | |
| TATISTICS | GENERAL | | | |
| /IRELESS (WI-FI) | | | | |
| ISH SESSIONS | Time : | Thu Jun 10 2004 10:42:1 | 2 AM | |
| | WiMAX Version : | 5.2.226 | update Available! | |
| | LAN | | | |
| | | 00-20-44-00-00-55 | | |
| | IP Address : | 192.168.12.1 | | |
| | Subnet Mask : | 255.255.255.0 | | |
| | DHCP Server : | | | |
| | WIRELESS (WI-FI) LAN | | | |
| | Wireless Radio : | Enabled | | |
| | WISH : | Active | | |
| | MAC Address : | 00:30:44:0C:D8:F5 | | |
| | Network Name (SSID) : | RedRover_N | | |

Click on the **BASIC** button.

8. In the **BASIC** screen:

| BASIC | ADVANCED | MODEM | TOOLS | STATUS | HELP |
|-----------------------|--|-------------------------|--------------------------|-------------------------|----------------|
| asic | | | | | |
| ARD | OFTUD WITA | 80 | | | |
| P | SETUP WIZA | RD | | | |
| WORK | v v | Veb-based Setup Wi | izard is designed to as | ssist you in connecting | your new route |
| | To the Internet. | I DIS Serup Wizard | WILL ALLIAG VOLL EDFOLIA | n sten-ny-sten instruct | ions on now to |
| IN | get your Intern | et connection up an | d running. Click the b | outton below to begin. | |
| RELESS (WI-FI) | get your Intern Select System Lar | et connection up an | d running. Click the b | outton below to begin. | |
| NRELESS (WI-FI) | get your Intern Select System Lar | nguage: English | d running. Click the b | button below to begin. | |
| AN IRELESS (WI-FI) | get your Intern Select System Lai | nguage: English | Launch Setup Wiza | rd | |
| AN IRELESS (WI-FI) | get your Intern Select System Lai Note: Before lau | nching this wizard, ple | Launch Setup Wiza | rd | l in the Quick |

Click on the **NETWORK** tab on the side.

9. In the **BASIC - NETWORK** screen:

| BASIC | ADVANCED M | MODEM | TOOLS | STATUS | HELP |
|----------------|---|--|--|--|---|
| asic | NETWORK SETT | TNGS | | | |
| ARD | NETWORK SETT | 1105 | | | |
| CP | Use this section to con | figure the internal | network settings (| of your router. The IP Addre | ess that is configured |
| WORK | Address here, you may | y need to adjust yo | our PC's network s | ettings to access the networ | k again. |
| N | Save Settings | Don't Save Setti | nas | | |
| RELESS (WI-FI) | | | | | |
| | | | | | |
| | | | | | |
| | NETV PRK SETT | INGS | | | |
| | NETV DRK SETT | INGS configure the inte | ernal network se | ettings. The IP Address t | hat is configured |
| | NETV DRK SETT Use the section to a here it he IP Addre | INGS configure the inte ess that you use t ess here, you ma | ernal network se to access the We y need to adjust | ettings. The IP Address t b-based management ir vour PC's network setti | hat is configured Iterface. If you Ings to access the |
| | NETV DRK SETT Use the section to o here is the IP Addre change the IP Addre network again. | INGS configure the inte ess that you use t ess here, you ma | ernal network se to access the We y need to adjust | ettings. The IP Address t eb-based management in t your PC's network setti | hat is configured hterface. If you ngs to access the |
| | NETV DRK SETT Use the section to here it he IP Addre change the IP Addre network again. | INGS configure the inte ess that you use t ess here, you ma IP Address : 19 | ernal network se to access the We y need to adjust 2.168.12.1 | ettings. The IP Address t b-based management in a your PC's network setti | hat is configured iterface. If you ngs to access the |
| | NETV DRK SETT Use the section to a here is he IP Addre change the IP Addre network again. Router I | INGS configure the inte ses that you use f ess here, you ma IP Address : 19 bnet Mask : 25 | ernal network se to access the We y need to adjust 2.168.12.1 5.255.255.0 | ettings. The IP Address t eb-based management in your PC's network setti | hat is configured iterface. If you ings to access the |
| | NETV IRK SETT Use the section to o here is he IP Addre change the IP Addre network again. Router I Su | INGS configure the intress that you use I ess hare, you ma IP Address : 19 bnet Mask : 25 pain Name : | ernal network se to access the We by need to adjust 2.168.12.1 5.255.255.0 | ettings. The IP Address t eb-based management in a your PC's network setti | hat is configured iterface. If you ings to access the |
| | NETV DRK SETT Use the section to o here is the IP Addre change the IP Addre network again. Router I Su Local Dom | INGS configure the inte ess that you use i ess here, you ma IP Address : 19 bnet Mask : 25 nain Name : | ernal network se to access the We y need to adjust 2.168.12.1 5.255.255.0 | ettings. The IP Address t eb-based management in your PC's network setti | hat is configured iterface. If you ngs to access the |

Now click on Set the Router IP Address to the LAN segment for your local LAN. This will be in the format *192.168.nn.1* where *nn* is the number you chose.

In this case *192.168.12.1* was entered. The *12* is different from what you will normally run into a RV Park and also different from what you will set the Bullet radio to.

Then click the **Save Settings** button.

10. In the **REBOOT NEEDED** screen:



Click on the **Reboot Later** button.

11. On the **BASIC** – **NETWORK** screen::

| BASIC | ADVANCED MC | ODEM | TOOLS | STATUS | HELP |
|--------------|---|--|---|--|--|
| sic | | NGS | | | |
| RD | NETWORK SETTIN | 105 | | | _ |
| | here is the IP Address th | gure the internal | network settings | of your router. The IP Addr | ess that is configured If you change the IP |
| ORK | Address here, you may n | need to adjust yo | our PC's network s | ettings to access the netwo | ork again. |
| | Save Settings Do | on't Save Setti | ings | | |
| LESS (WI-FI) | | | | | |
| | | | | | |
| | | | | | |
| | NETWORK SETTIN | NGS | | | |
| | NETWORK SETTIN | NGS | ernal network s | ettings. The IP Address | that is configured |
| | NETWORK SETTIN Use this section to con here is the IP Address | NGS nfigure the int s that you use | ernal network s | ettings. The IP Address eb-based management i | that is configured interface. If you |
| | NETWORK SETTIN Use this section to con here is the IP Address change the IP Address network again. | NGS nfigure the into s that you use i s here, you ma | ernal network s to access the Wa y need to adjus | ettings. The IP Address eb-based management i t your PC's network sett | that is configured interface. If you tings to access the |
| | NETWORK SETTIN Use this section to con here is the IP Address change the IP Address network again. Router IP | NGS nfigure the intr s that you use t s here, you ma Address : 19 | ernal network s to access the Wa y need to adjus 92.168.12.1 | ettings. The IP Address eb-based management i t your PC's network sett | that is configured interface. If you ings to access the |
| | NETWORK SETTIN Use this section to con here is the IP Address change the IP Address network again. Router IP Subm | NGS nfigure the into s that you use t s here, you ma Address : 19 net Mask : 25 | ernal network s to access the W ay need to adjus 92.168.12.1 55.255.255.0 | ettings. The IP Address eb-based management i t your PC's network sett | that is configured interface. If you tings to access the |
| | NETWORK SETTIN Use this section to con here is the IP Address change the IP Address network again. Router IP Subn | NGS nfigure the intr s that you use i s here, you ma Address : 19 net Mask : 25 in Name : | ernal network s to access the Way need to adjust 02.168.12.1 05.255.255.0 | ettings. The IP Address eb-based management i t your PC's network sett | that is configured interface. If you tings to access the |
| | NETWORK SETTIN Use this section to con here is the IP Address change the IP Address network again. Router IP Subn Local Domai | NGS nfigure the into s that you use f s here, you ma Address : 19 net Mask : 25 in Name : | ernal network s to access the Way need to adjus 92.168.12.1 55.255.255.0 | ettings. The IP Address eb-based management i t your PC's network sett (optional) | that is configured interface. If you tings to access the |
| | NETWORK SETTIN Use this section to con here is the IP Address change the IP Address network again. Router IP Subn Local Domai Enable DM | NGS nfigure the into s that you use f s here, you ma Address : 19 net Mask : 25 in Name : NS Relay : 2 | ernal network s to access the W y need to adjus 22.168.12.1 55.255.255.0 | ettings. The IP Address eb-based management i t your PC's network sett (optional) | that is configured interface. If you tings to access the |
| | NETWORK SETTIN Use this section to con here is the IP Address change the IP Address network again. Router IP Subn Local Domai Enable DM | NGS nfigure the into s that you use is s here, you ma Address : 19 net Mask : 25 in Name : NS Relay : V | ernal network s to access the W ay need to adjus 92.168.12.1 55.255.255.0 | ettings. The IP Address eb-based management i t your PC's network sett (optional) | that is configured interface. If you tings to access the |

Click on the **DHCP** left tab.

12. In the **BASIC** – **DHCP** screen:

| b D | DHCP SETTINGS | | | |
|-------------|--|-----------------------------|-----------------------------|-------------|
| | | | | |
| | Use this section to configure the but | It-in DHCP Server to assign | IP addresses to the compute | ers on your |
| RK | network. | | | |
| | Save Settings Don't Save | Settings | | |
| ESS (WI-FI) | | | | |
| | DHCE SERVER SETTINGS | | | |
| | Use this section to configure the on your network. | e built-in DHCP Server to | assign IP addresses to t | he compute |
| | Enable DHCP Server : | | | |
| | DHCP IP Address Range : | 192.168.12.100 to 1 | 92.168.12 199 | |
| | DHCP Lease Time : | 1440 (minutes) | | |
| | Always broadcast : | (compatibility for son | ne DHCP Clients) | |
| | NetBIOS announcement : | | | |
| | Learn NetBIOS from WAN : | | | |
| | | | | |

Insure the Enable DHCP Server box in checked.

Set the DHCP IP Address Range *to 192.168.nn.100* to *192.168.nn.199* where *nn* is the same as the *nn* you put in the **Router IP Address**.

In the case 192.168.12.100 and 192.168.12.199 was entered.

The reason to set the range of DHCP IP Addresses from 100 to 199 is to reserve the addresses less than 100 and above 200 for devices that may need a permanent IP address.

When you are done, click on the Save Settings button.

13. In the **REBOOT NEEDED** screen:

| | epoint | | | | |
|-----------------------|--------------|--|--|---|--------------------------|
| BASIC | ADVANCED | MODEM | TOOLS | STATUS | HELP |
| Basic IZARD | | | REBOOT NEED | ED | |
| CP TWORK | Your d Yo | hanges have been saved ou can reboot now, or yo | . The router must be re ou can continue to make | booted for the changes to other changes and reboot | take effect. t later. |
| AN IRELESS (WI-FI) | _ | Re | | t Later | |
| | | Copyright | © 09 CradlePoint, Inc | . All rights reserved. | wipipe |

This time click on the Reboot Now button.

Since you just changed the IP address of the MBR1000 and the DHCP IP Address range, you will need to let your PC get a new IP address from the MBR1000. The easiest way to go to the bottom left of the screen and click on **START** then **RUN** and enter:

ipconfig /renew in the field

and then the Enter key.

14. In the ADMINISTRATIVE **LOGIN** screen:

| crad | lepoint |
|---------|---|
| TECHNOL | OGY |
| | |
| | |
| | ADMINISTRATION LOGIN |
| | The default password is the last six digits of the router's MAC address. |
| | Password : ••••• |
| | Log In |
| | NOTE: If you want to connect non-browser based wireless devices (such as IP phones, cameras, gaming consoles, and televisions) to your router, you must disable the liser Login requirement. To disable liser Login to the router as the |
| | Administrator, select Tools->User Login, then disable the setting. |
| | |
| | |
| | Copyright © 2009 CradlePoint, Inc. All rights reserved. |

Again login using the new password..

15. In the **STATUS** screen:

| | epoint | | | |
|-----------------------------------|---|---|---------------------------|----------------------|
| BASIC | ADVANCED MODEM | TOOLS | STATUS | HELP |
| | DEVICE INFORMATION | | | |
| OGS | All of your Internet and network con displayed here. | nnection details are displaye | d on this page. The firm | ware version is also |
| STATISTICS | GENERAL | | | |
| WIRELESS (WI-FI) WISH SESSIONS | Time : Firmware Version : WiMAX Version : | Thu Jun 10 2004 10:42:1 1.7.5, 2010/11/23 5.2.226 | 2 AM Update Available! | |
| | LAN | | | |
| | MAC Address : IP Address : Subnet Mask : DHCP Server : | 00:30:44:0C:D8:F5 192.168.12.1 255.255.255.0 | | |
| | WIRELESS (WI-FI) LAN | | | |
| | Wireless Radio : WISH : MAC Address : | Enabled Active | | |
| | Network Name (SSID) : | RedRover_N | | |

Click on the **BASIC** button.

| BASIC | ADVANCED | MODEM | TOOLS | STATUS | HELP |
|-----------------|------------------|----------------------|--|---|-----------------|
| asic | | | | | |
| ARD | 057110 1077 | | | | |
| P | SETUP WIZ | AKD | | | |
| WORK | The following | Web-based Setup Wi | zard is designed to as | sist you in connecting | your new router |
| N | to the Internet | net connection up an | will guide you through d running. Click the b | n step-by-step instructi utton below to begin. | ions on how to |
| | | | | | |
| RELESS (WI-FI) | Select System La | anguage: English | | | |
| RELESS (WI-FI) | Select System La | anguage: English 💌 |] | _ | |
| IRELESS (WI-FI) | Select System La | anguage: English 💌 | Launch Setup Wiza | rd | |

Click on the **WAN left** tab.

| 17. | In the BASIC – | WAN | screen:: |
|-----|-----------------------|-----|----------|
|-----|-----------------------|-----|----------|

| | epoint | | | | |
|--|--|---|---|--|---|
| BASIC | ADVANCED | MODEM | TOOLS | STATUS | HELP |
| Basic IZARD | WAN | | | | |
| HCP ETWORK AN IRELESS (WI-FI) | Use this section WAN connection metion Note : If using computers. Save Setting | to configure your Wired n types to choose from: S hod, please contact your the PPPoE option, you w Don't Save Setti MODEM PPP AUTH | and Celluar Modem WA Static IP, DHCP, PPPOE, Internet Service Provid Il need to remove or di Ings | N Connection type. There PPTP, and L2TP. If you are er. sable any PPPoE client soft PTIONAL) | are several wired e unsure of your ware on your |
| | Enter the info Note: Fill in the M Authent | rmation provided by y e following information Of fodem Interface : Username : Password : Verify Password : tication Protocol : | our Cellular Service | Provider. ur Cellular Service Provider | |
| | WIRED WA Choose the m | N CONNECTION T | YPE router to connect to | the Internet. | |

Scroll the screen down to the WIRED WAN CONNECTION TYPE area.

18. In the **BASIC** – **WAN** Screen:

| Password : Verify Password : Authentication Protocol : Auto • WIRED WAN CONNECTION TYPE Choose the mode to be used by the router to connect to the Internet. Your Internet Connection could not be detected, please select your Internet Service Provider (ISP) from the list below. If your ISP is not listed; select the "Not Listed or Don't Know" optition manually configure your connection. |
|--|
| Verify Password : Authentication Protocol : Auto WIRED WAN CONNECTION TYPE Choose the mode to be used by the router to connect to the Internet. Your Internet Connection could not be detected, please select your Internet Service Provider (ISP) from the list below. If your ISP is not listed; select the "Not Listed or Don't Know" optition manually configure your connection. |
| Authentication Protocol : Auto WIRED WAN CONNECTION TYPE Choose the mode to be used by the router to connect to the Internet. Your Internet Connection could not be detected, please select your Internet Service Provider (ISP) from the list below. If your ISP is not listed; select the "Not Listed or Don't Know" optition manually configure your connection. |
| WIRED WAN CONNECTION TYPE Choose the mode to be used by the router to connect to the Internet. Your Internet Connection could not be detected, please select your Internet Service Provider (ISP) from the list below. If your ISP is not listed; select the "Not Listed or Don't Know" opti- to manually configure your connection. |
| Choose the mode to be used by the router to connect to the Internet. Your Internet Connection could not be detected, please select your Internet Service Provider (ISP) from the list below. If your ISP is not listed; select the "Not Listed or Don't Know" opti- to manually configure your connection. |
| Your Internet Connection could not be detected, please select your Internet Service Provide (ISP) from the list below. If your ISP is not listed; select the "Not Listed or Don't Know" opti to manually configure your connection. |
| |
| Internet Service Provider : Not Listed or Don't Know |
| f your Internet Service Provider was not listed or you don't know who it is, please select the internet connection type below: |
| Internet Connection : Dynamic IP (DHCP) |

Set the **Internet Connection** to *Dynamic* IP (DHCP).

You jest set the MBR1000 WAN port to get an IP Address from the Bullet radio.

Click on the **Save Settings** button and then **Continue** button on the **SUCCESS** screen.

19. In the **BASIC** –**WAN** screen:

| | ADVANCED | MODEM | TOOLS | STATUS | HELP |
|--------------------|----------------|--|---|---|--------------|
| asic | WAN | | | | |
| I ELESS (WI-FI) | CELLULAR | nod, please contact your the PPPoE option, you wi Don't Save Setti MODEM PPP AUTH | Internet Service Provide Il need to remove or dis ngs ENTICATION (OI | er. able any PPPoE client soft PTIONAL) | ware on your |
| | Enter the info | rmation provided by y | our Cellular Service F | P rovider. Ir Cellular Service Provider | ç., |

Click on the WIRELESS (WI-FI) left tab..

20. In the **BASIC** – **WIRELESS** (**WI-FI**) screen:

| BASIC | ADVANCED | MODEM | TOOLS | STATUS | HELP | | |
|-------------|--|---|--|------------------------|-----------------|--|--|
| sic | WIRELESS (| (WI-FI) | | | | | |
| D | | Use this section to configure the wireless (Wi-Fi) settings for your souter. Place note that shapped made a | | | | | |
| DRK | this section may | also need to be duplica | ted on your Wireless C | ient. | changes made or | | |
| | Save Setting | Don't Save Sett | ings | | | | |
| ESS (WI-FI) | | | | | | | |
| | | 171 | a minerena nemos m | | | | |
| | WIRFLESS | (WI-FI) NETWOR | KSETTINGS | | | | |
| | WIRELESS (| (WI-FI) NETWOR | K SETTINGS | | | | |
| | WIRELESS (Enable Wireless | (WI-FI) NETWOR | K SETTINGS | (Also called the SSID) | _ | | |
| | WIRELESS (Enable Wireless | WI-FI) NETWOR Wireless Radio : Network Name : R 802.11 Mode : M | K SETTINGS edRover_N ixed 802.11n, 802.11g | (Also called the SSID) | | | |
| | WIRELESS (Enable Wireless Enable Aut | Wireless Radio : Network Name : 802.11 Mode : to Channel Scan : | K SETTINGS edRover_N ixed 802.11n, 802.11g | (Also called the SSID) | - | | |
| | WIRELESS (Enable Wireless Enable Aut | WI-FI) NETWOR Wireless Radio : Network Name : 802.11 Mode : to Channel Scan : Vireless Channel : 2 | K SETTINGS edRover_N ixed 802.11n, 802.11g 437 GHz - CH 6 | (Also called the SSID) | - | | |

In the **Wireless Network Name** field, enter a name that will appear when you are looking for a wireless network to connect your PC to the MBR1000. This name could be cryptic or obvius to suit your pleasure.

In this case **RedRover_N** was entered.

Then scroll the screen down to the

21. In the **BASIC** – **WIRELESS** (**WI-FI**) screen:

| WIRELESS (WI-FI) SECUR To protect your privacy you can wireless security modes, includi wireless encryption standard. W require an authentication server server. | ITY MOD configure w ng WEP, WF PA provides . The WPA- | DE wireless security features. This device supports th 'PA-Personal, and WPA-Enterprise. WEP is the orig is a higher level of security. WPA-Personal does no -Enterprise option requires an external RADIUS |
|--|--|--|
| Security Mode : | WPA-Perso | onal 💌 |
| WPA | | |
| WPA requires stations to use high gr WPA2 mode. This mode uses WPA WPA2 capable. The strongest cipher mode. In this mode, legacy stations across the wireless network to ensur | ade encryptic or legacy clie that the clier are not allow e best securit | ion and authentication. For legacy compatibility, use WP , ients while maintaining higher security with stations that int supports will be used. For best security, use WPA2 O wed access with WPA security. The AES cipher will be use ity. |
| WPA Mode : | AUto (WPA | A OF WPA2) |
| Cipher Type : | TKIP and A | AES |
| Group Key Update Interval : | 3600 | (seconds) |
| PRE-SHARED KEY | | |
| Enter an 8- to 63-character alphanur should not be a commonly known ph | neric pass-ph rase. | hrase. For good security it should be of ample length and |
| Pre-Shared Key : | samplewpa | akeyphrase |
| Copyrig | ht © 2009 C | CradlePoint, Inc. All rights reserved. |

Usually you will want to set wireless security to WPA, the highest level of home security. The only reason you would not set WPA security is that you have some older wireless equipment that doesn't support WPA. In that case you would select WEP. Since the chances of this need is small, WEP will not be covered in the document.

Set Security Mode to WPA-Personal.

Set WPA Mode to Auto (WPA or WPA2).

Set Cipher Type to TKIP and AES.

In the **Pre-Shared Key** field, enter a phrase that is easy to remember but not easy for people to guess. Four or five words run together is good.

In the case, *samplewpakeyphrase* was entered.

Click the Save Settings button and then the Continue button on the Success screen.

22. In the **BASIC** – **WIRELESS** screen:

| BASIC ADVANCED MODEM TOOLS STATUS HELP Basic MIZARD MIRELESS (WI-FI) WIRELESS (WI-FI) WIRELESS (WI-FI) WIRELESS (WI-FI) Use this section to configure the wireless (Wi-Fi) set, ups for your router, Please note that changes made of this section may also need to be duplicated on your Wireless Client. WAN Save Settings Don't Save Settings Don't Save Settings MDD WIRELESS DEVICE WITH WPS (WI-FI PROTECTED SETUP) WIZARD WPS (Wi-Fi Protected Setup) is currently disabled. Go to the Advanced->Wi-Fi Protected Setup settings page to enable it. WIRELESS (WI-FI) NETWORK SETTINGS WIRELESS (WI-FI) NETWORK SETTINGS | | epoint | | | | |
|---|------------------|--------------------------------------|----------------------------|------------------------------|-----------------|--|
| Basic WIZARD WHRELESS (WI-FI) Use this section to configure the wireless (Wi-Fi) setups for your router. Please note that changes made of this section may also need to be duplicated on your Wireless Client. NAN WIRELESS (WI-FI) ADD WIRELESS DEVICE WITH WPS (WI-FI PROTECTED SETUP) WIZARD WP5 (Wi-Fi Protected Setup) is currently disabled. Go to the Advanced->Wi-Fi Protected Setup settings page to enable it. Add Wireless Device with WP5 WIRELESS (WI-FI) NETWORK SETTINGS | BASIC | ADVANCED MODEM | TOOLS | STATUS | HELP | |
| WIZARD WIRELESS (WI-FI) WARN WIRELESS (WI-FI) MAN MIRELESS (WI-FI) MAN MIRELESS (WI-FI) MIRELESS (WI-FI) MIRELESS DEVICE WITH WPS (WI-FI PROTECTED SETUP) WIZARD WYS (WI-FI Protected Setup) is currently disabled. Go to the Advanced->WI-FI Protected Setup settings page to enable it. MIRELESS (WI-FI) NETWORK SETTINGS | Basic | WIRELESS (WI-EI) | | | | |
| WIRELESS (WI-FI) ADD WIRELESS DEVICE WITH WPS (WI-FI PROTECTED SETUP) WIZARD WPS (Wi-Fi Protected Setup) is currently disabled. Go to the Advanced->Wi-Fi Protected Setup settings page to enable it. Add Wireless Device with WPS WIRELESS (WI-FI) NETWORK SETTINGS | NIZARD | | alaan (MK Ei) ant an far i | nu an dan Olana anta dast | der en de en | |
| WAN WIRELESS (WI-FI) ADD WIRELESS DEVICE WITH WPS (WI-FI PROTECTED SETUP) WIZARD WPS (Wi-Fi Protected Setup) is currently disabled. Go to the Advanced->Wi-Fi Protected Setup settings page to enable it. Add Wireless Device with WPS WIRELESS (WI-FI) NETWORK SETTINGS | NETWORK | this section may also need to be dup | licated on your Wireless (| Client. | changes made on | |
| WIRELESS (WI-FI) ADD WIRELESS DEVICE WITH WPS (WI-FI PROTECTED SETUP) WIZARD WPS (Wi-Fi Protected Setup) is currently disabled. Go to the Advanced->Wi-Fi Protected Setup settings page to enable it. Add Wireless Device with WPS WIRELESS (WI-FI) NETWORK SETTINGS | WAN | Save Settings Don't Save S | settings | | | |
| ADD WIRELESS DEVICE WITH WPS (WI-FI PROTECTED SETUP) WIZARD WPS (Wi-Fi Protected Setup) is currently disabled. Go to the Advanced->Wi-Fi Protected Setup settings page to enable it. Add Wireless Device with WPS WIRELESS (WI-FI) NETWORK SETTINGS | WIRELESS (WI-FI) | | | | | |
| WIRELESS (WI-FI) NETWORK SETTINGS | | Add Wireless Device with WPS | | | | |
| | | WIRELESS (WI-FI) NETW | ORK SETTINGS | | | |
| Enable Wireless Radio : | | Enable Wireless Radio : | | (4) (1) (200) | | |
| Wireless Network Name : RedRover_N (Also called the SSID) | | Wireless Network Name : | RedRover_N | (Also called the SSID) | | |
| Enable Auto Channel Scan : | | 502.11 Prode : | Mixed 802.111, 802.11 | g and 602.110 | | |
| Wireless Channel : 2.437 GHz - CH 6 | | Wireless Channel : | 2.437 GHz - CH 6 💌 | | | |
| Transmission Rate : Best (automatic) (Mbit/s) | | Transmission Rate : | Best (automatic) | (Mbit/s) | | |
| Channel Width : 20 MHz | | Channel Width : | 20 MHz 💌 | | | |

Click on the **TOOLS** top tab.

23. With the Device is rebooting, please wait display:

| BASIC | ADVANCED | MODEM | TOOLS | STATUS | HELP |
|-----------------|--|-----------------------|----------------------------|-------------------------------|-------------------|
| Fools | | | | | |
| MIN | SYSTEM SETTI | NGS | | | |
| NAMIC DNS | The System Settings | section allows you | to reboot the device or i | restore the router to the fac | ctory default |
| AIL SETTINGS | settings. Restoring the have created. | ne unit to the factor | y default settings will er | ase all settings, including a | ny rules that you |
| IRMWARE | The current system s | ettings can be save | d as a file onto a local h | ard drive. The saved file, o | r any other saved |
| ANAGED SERVICES | setting file, created b | by device can be upl | loaded into this device. | • | |
| CHEDULES | 2 | | | | |
| NMP | OVOTEM OFTEN | NCC | | | |
| /SLOG | SYSTEM SETTI | NGS | | | |
| STEM | Save To Loca | Hard Drive: | ave Configuration | | |
| STEM CHECK | Load From Loca | Hard Drive: | | Bro | wse |
| IME | | F | Restore Configuration | from File | |
| SER LOGIN | | - | | | |
| | Restore To Fac | tory Default: | Restore Factory Defai | ilts | |
| | | Re | store all settings to the | factory defaults. | |
| | Reboo | t The Device: | teboot the Device | | |
| | | | | | |
| | Sched | uled Reboot : N | ever Save | | |
| | | Th | e router will reboot at t | he "End Time" of the select | ed schedule. |

To insure al the changes are being put into effect, click on the **Reboot the Device** button.

After the reboot will have to login again, and then return to this screen.

24. In the **TOOLS** screen:

| and the second second | |
|-----------------------|----------|
| cradie | point()) |
| TECHNOLOGY | |

| BASIC | ADVANCED | MODEM | TOOLS | STATUS | HELP | |
|-----------------|---|-------------------------|-------------------------------|-----------------------------|--------------------|--|
| Tools | _ | | | | | |
| ADMIN | SYSTEM SET | SYSTEM SETTINGS | | | | |
| DYNAMIC DNS | The System Sett | tings section allows yo | u to reboot the device or r | restore the router to the f | actory default | |
| MAIL SETTINGS | settings. Restori have created. | ng the unit to the fact | ory default settings will en | ase all settings, including | any rules that you | |
| FIRMWARE | The current syst | em settings can be sa | ved as a file onto a local h | ard drive. The saved file, | or any other saved | |
| ANAGED SERVICES | setting file, created by device can be uploaded into this device. | | | | | |
| SCHEDULES | | | | | | |
| SNMP | | TTHOO | | | | |
| SYSLOG | SYSTEM SET | TINGS | | | | |
| SYSTEM | Save To I | Local Hard Drive: | Save Configuration | — | | |
| SYSTEM CHECK | Load From L | Local Hard Drive: | | Br | owse | |
| ПМЕ | | | Restore Configuration | from File | | |
| JSER LOGIN | | | | | | |
| | Restore To | Factory Default: | Restore Factory Defau | ilts | | |
| | | | Restore all settings to the | factory defaults. | | |
| | Re | boot The Device: | Reboot the Device | | | |
| | | | | | | |
| | Sd | heduled Reboot : | Never Save | | | |
| | | | The router will reboot at the | he "End Time" of the selec | cted schedule. | |

Click on the **Save Configuration** button.

Depending on your browser, you will be asked if you want to save the *gateway_settings,gws* file. Say *Yes*.

If your browser options allow, you can select a floder to place the file. Pick someplace easy to find, like C⁽²⁾CradlePoint. If the browser auto selects a download folder, open that folder and move the *gateway_settings.gws* file to the convenient folder location.

Now your settings are saved in case you ever need to restore them.

25. Done

Your MBR1000 is ready for connecting the Bullet radio to the MBR1000 WAN port. The function of the Bullet radio is covered in another document.