



# **CLEAR MODEM with Wi-Fi USER GUIDE**

<b>GET TO KNOW YOUR CLEAR MODEM WITH WI-FI</b>	<b>3</b>
WHAT'S IN THE BOX?	3
INFORMATIVE LED INDICATORS	3
USE WITH CARE	3
<b>SET UP THE MODEM</b>	<b>4</b>
PLACE THE MODEM ON A FLAT, STABLE SURFACE	4
PLUG IN THE POWER CORD	4
CONNECT TO CLEAR 4G	5
CONNECT TO THE WI-FI NETWORK	6
ALTERNATIVE TO WI-FI	6
CHANGE YOUR WI-FI NETWORK NAME AND PASSWORD	7
CONNECT TO THE INTERNET	8
<b>MANAGE YOUR MODEM</b>	<b>9</b>
MODEM HOME PAGE OVERVIEW	9
MODEM HOME PAGE / HOME TAB	10
MODEM HOME PAGE / DEVICE STATUS TAB	11
MODEM HOME PAGE / DEVICE STATUS TAB (CONTINUED)	12
MODEM HOME PAGE / BASIC / PASSWORD TAB	13
MODEM HOME PAGE / BASIC / TIME ZONE TAB	14
MODEM HOME PAGE / BASIC / DEVICE NAME TAB	15
MODEM HOME PAGE / BASIC / WI-FI TAB	16
MODEM HOME PAGE / BASIC / RESET FACTORY SETTINGS TAB	17
MODEM HOME PAGE / BASIC / LANGUAGE TAB	18
MODEM HOME PAGE / ADVANCED / FIREWALL TAB	19
MODEM HOME PAGE / ADVANCED / INTERNET PROTOCOL TAB	20
MODEM HOME PAGE / ADVANCED / DYNAMIC DNS TAB	21
MODEM HOME PAGE / ADVANCED / PORT FORWARDING / BASIC TAB	22
MODEM HOME PAGE / ADVANCED / PORT FORWARDING / FORWARDING TAB	23
MODEM HOME PAGE / ADVANCED / LOCAL ADDRESS / DHCP SERVER TAB	24
MODEM HOME PAGE / ADVANCED / LOCAL ADDRESS / LEASE STATUS TAB	25
MODEM HOME PAGE / ADVANCED / LOCAL ADDRESS / LEASE RESERVATION TAB	26
MODEM HOME PAGE / ADVANCED / CHECK UPDATES TAB	27
<b>QUICK TIPS</b>	<b>28</b>
UNDERSTANDING THE LED LIGHTS	28
TO MAXIMIZE SIGNAL STRENGTH	28
UNABLE TO BROWSE THE INTERNET?	28
ENSURE YOUR DEVICES RECOGNIZE YOUR MODEM	29
MAXIMIZE SECURITY OF THE MODEM	29
RESETTING YOUR USERNAME AND PASSWORD	29

<b>IMPORTANT MESSAGE FROM CLEAR</b>	<b>29</b>
<b><u>IMPORTANT INFORMATION</u></b>	<b><u>30</u></b>
<b>TECHNICAL SPECIFICATIONS</b>	<b>30</b>
<b>FAQS AND LIVE CHAT SUPPORT</b>	<b>31</b>
<b>TELEPHONE SUPPORT</b>	<b>31</b>
<b>QUESTIONS ABOUT YOUR BILL?</b>	<b>31</b>
<b>IMPORTANT INFORMATION DOCUMENT</b>	<b>31</b>
<b>WARRANTY INFORMATION</b>	<b>31</b>
<b>LEGAL DISCLOSURES</b>	<b>31</b>

# Get to Know Your CLEAR Modem with Wi-Fi

## What's in the Box?



CLEAR Modem with Wi-Fi



Modem Foot



Power Cord



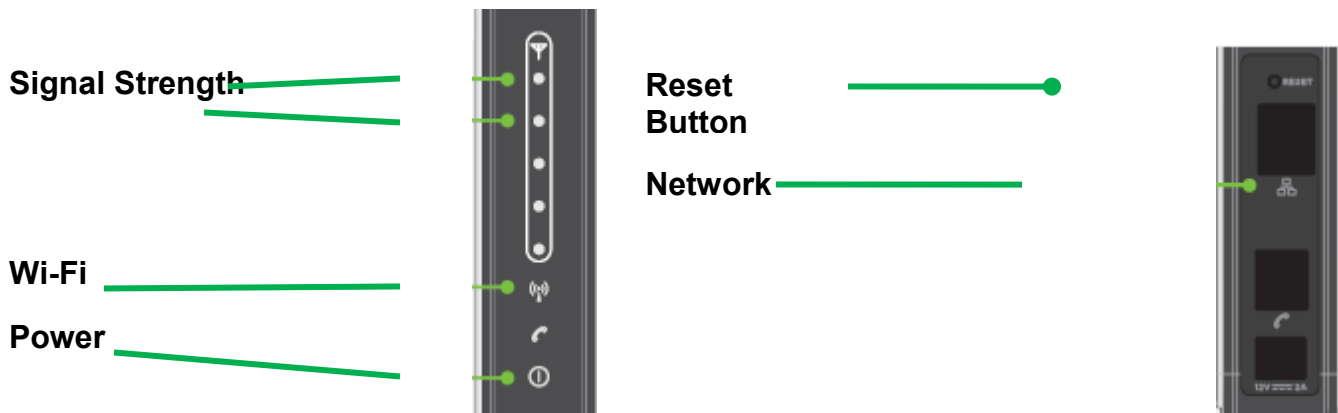
Ethernet Cable



Quick Start Guide

## Informative LED Indicators

The LED indicators are located on the front and back of the CLEAR Modem with Wi-Fi (Modem).



- The **Signal Strength LEDs** indicate the strength of the CLEAR 4G signal (five LEDs lit indicates an excellent signal).
- The **Wi-Fi LED** remains lit when wi-fi is available.
- The **Power LED** indicates the Modem is turned on.
- The **Network LED** indicates the Modem is connected to the CLEAR 4G signal and / or data is being transmitted.

## Use with Care

- Do not throw, drop, or dismantle the Modem.
- Keep the Modem out of direct sunlight.
- Keep pets and children from playing with the Modem.
- Do not immerse the Modem in water or other liquid.
- Make sure your hands are dry before handling the Modem.

## Set up the Modem

### Place the Modem on a Flat, Stable Surface

Align the slots at the bottom of the Modem with the slots on the Modem Foot (Foot). Push gently on the Modem to snap the Foot onto the Modem.



To remove the Foot, press both tabs outward at the same time and the Foot will release from the slots.



Do not place the Modem on its side or block the top air vents. The preferred location is near a window and away from obstructions.

### Plug in the Power Cord

Follow the diagram below to plug in the Power Cord.



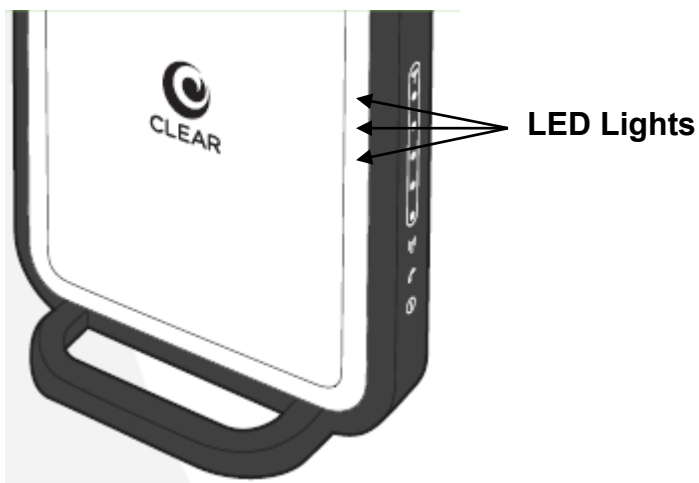
Plug one end of the Power Cord into the AC adapter port on the Modem and plug the other end into a power outlet.

After you've plugged the Modem into a power outlet, the Modem will automatically search for a CLEAR 4G signal.

## Set up the Modem (continued)

### Connect to CLEAR 4G

As the Modem is searching for the CLEAR 4G signal, five LED lights, located on the front of the Modem, will blink sequentially and then in unison. When the Modem is connected to the CLEAR 4G signal, the LED lights will stop blinking and remain lit.



**Note:** The number of LED lights indicates the CLEAR 4G signal strength – the more lights, the stronger the signal. For optimal signal strength, you should try different locations for the Modem to ensure a minimum of two LED lights are lit. If at least two LED lights are not lit, try moving the Modem to another room.

Move just the Modem (not your computer) to another room, and wait 15—20 seconds after the LED lights are solid white, in order to obtain the most accurate reading of the CLEAR 4G signal.

To optimize the signal strength in the Modem's current location, try turning the Modem by small 1/4" increments.

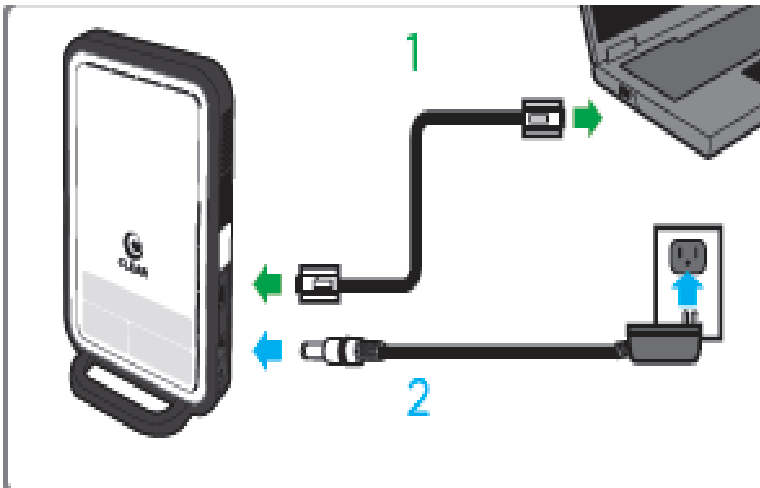
## Set up the Modem (continued)

### Connect to the wi-fi Network

- With your device's wi-fi turned on, view the list of available wireless networks.
- Connect to the Modem's wi-fi network. The default wi-fi network name is "WiFiRSU-xx", where "xx" are the last two digits of the MAC ID, which can be found on the label on the back of the Modem. The MAC ID also might be referred to as WAN MAC ID.
- Enter the default w-fi password. The default wi-fi password is comprised of the last eight digits of the MAC ID, which can be found on the label on the back of the Modem. The MAC ID also might be referred to as WAN MAC ID.
- Your device should display a message indicating it has connected to your Modem's wireless network.

### Alternative to wi-fi

As an alternative to wi-fi, you also can use the included Ethernet Cable to connect to the Modem.



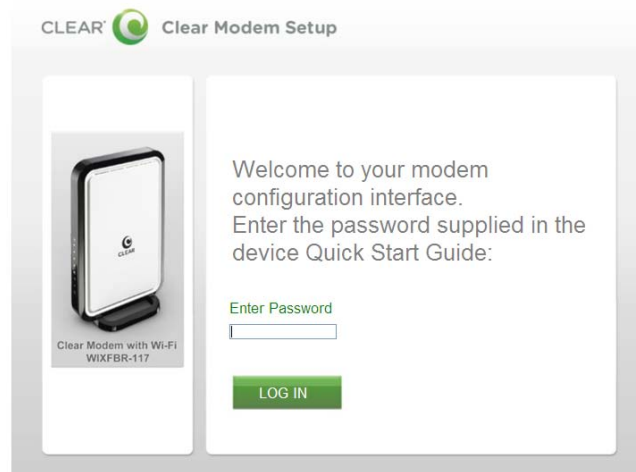
Plug one end of the Ethernet Cable into the ethernet port on the computer and plug the other end into the ethernet port on the Modem.

## Set up the Modem (continued)

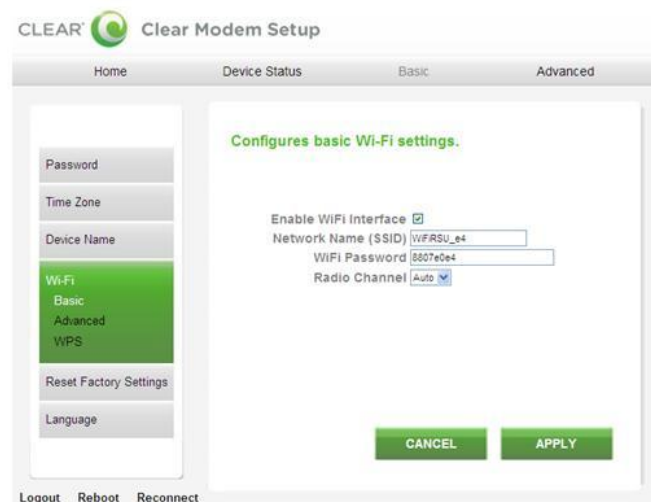
### Change your wi-fi network name and password

Once you've set up your Modem and connected to the wi-fi network, you should change the Modem's wi-fi network name (SSID) and wi-fi password to something you can remember.

- Log in to your Modem's Home Page by entering <http://192.168.15.1> into your web browser.
- Enter the default Modem Password, which is -GLEAR123".



- Open the —Basic— Tab and then click —Wi-Fi—.
- Enter your new network name (SSID) and wi-fi password (the wi-fi password must be between 8 and 63 characters).
- Click —APPLY— to save the changes.
- Use your computer's wireless connection manager to find your new network name and connect using the new wi-fi password.



**Note:** If you forgot your wi-fi network name or wi-fi password, you can connect to your Modem with the Ethernet Cable and log in using the default Modem password, and then you'll be able to view or change the wi-fi network name and wi-fi password.



# Set up the Modem (continued)

## Connect to the internet

Every CLEAR customer gets an online account, so you easily can manage your account and view / pay your bill.

The first time you connect to the internet with your Modem, you'll be directed to a page to review your rate plan information, complete your CLEAR online account, and read / accept the CLEAR Terms of Service.

The screenshot shows the CLEAR website's setup interface. At the top left is the CLEAR logo. The main heading is "Please Review Your Plan and Complete Your Setup". Below this, there's a section for "Your Plan:" which lists "XX\_WIMAX Pick 2 Unlimited Home Internet (2)". To the right, it states "Automatic monthly payments will be made on the 1<sup>st</sup> of each month with credit card \*\*\*\*\*1111..". A table lists the following costs: Monthly Service (\$32.50), Discount (\$0.00), Lease Fee (\$0.00), Est. Taxes (\$8.14), and Monthly Est. Subtotal (\$44.63). A MAC ID of 0023A2F3B950 is also shown. A link for "Questions, Changes? Live Chat >>" is provided. The "Complete your setup:" section prompts the user to enter their email address (placeholder: mchen@clearwire.com), select a password and security question, and enter the password and security answer. There are three checkboxes for agreement: "Check this box to acknowledge that you've read and agree to the following terms of service.", "Check this box to acknowledge that you've read and agree to the following provisions.", and "Check this box to acknowledge that you've read and agree to the following provisions." Each checkbox is followed by a "Print >" link. The first checkbox is followed by a section titled "TERMS OF SERVICE" with the subheading "WIRELESS INTERNET ACCESS AND RELATED SERVICES" and an effective date of August 30, 2010. The second checkbox is followed by a section titled "Recurring Billing and Electronic Notices" with an effective date of December 17, 2009. The third checkbox is followed by a paragraph about the Do Not Call Registry. At the bottom left is a phone number placeholder (5544600924) and at the bottom right is a "FINISH SETUP" button.

**CLEAR**

Please Review Your Plan and Complete Your Setup

**Your Plan:** XX\_WIMAX Pick 2 Unlimited Home Internet (2)

Automatic monthly payments will be made on the 1<sup>st</sup> of each month with credit card \*\*\*\*\*1111..

Monthly Service	\$ 32.50
Discount	\$ 0.00
Lease Fee	\$ 0.00
Est. Taxes	\$ 8.14
Monthly Est. Subtotal	\$ 44.63

MAC ID: 0023A2F3B950

Questions, Changes? [Live Chat >>](#)

**Complete your setup:**

Enter your email address for CLEAR notices and communications:

Select a password and security question for your account:

Enter Password  Confirm Password

Security Question  Security Answer

☐ Check this box to acknowledge that you've read and agree to the following terms of service. [Print >](#)

**TERMS OF SERVICE**

**WIRELESS INTERNET ACCESS AND RELATED SERVICES**

Effective August 30, 2010

☐ Check this box to acknowledge that you've read and agree to the following provisions. [Print >](#)

**Recurring Billing and Electronic Notices**

Effective December 17, 2009

- Each month on your bill date, we will charge your method of payment (a) in advance for your monthly service plan fee (covering the next succeeding month of service), plus associated taxes and surcharges; and (b) in arrears for (i) any usage and calls not covered by your plan rate and (ii) any late and/or suspension fees. In addition, upon termination of your service for any reason, we will charge you a termination fee of \$35.00. We reserve the right to change our rates and services without notice.

☐ Check this box to acknowledge that you've read and agree to the following provisions. [Print >](#)

By providing this telephone number (whether wired or wireless) as part of our established business relationship, and regardless of whether this number is listed on the federal Do Not Call Registry, you consent to being contacted by Clearwire (and/or its designated agents) at this number, for any purpose (including sales, marketing, and promotional offers) and by any means (including automated or prerecorded voice calls and text messages). You specifically acknowledge that you may incur, and will be sole responsible for, charges relating to these incoming calls or messages.

[FINISH SETUP](#)

Congratulations!

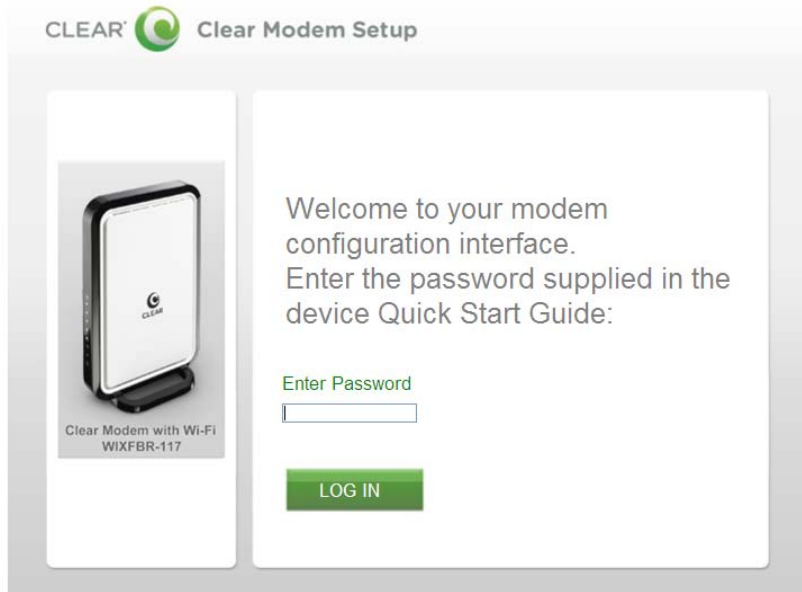
You're ready for INTERNET AWESOMENESS!

# Manage Your Modem

## Modem Home Page Overview

It's easy to manage your Modem with the Modem Home Page.

- Set up your Modem.
- Change security settings.
- Set up your wi-fi network.
- View signal strength.
- And more!



If you're using your Modem and are connected to the internet, click [here](#) to open the Modem Home Page.

With your computer connected to the Modem, enter <http://192.168.15.1> in your web browser in order to open the Modem Home Page.

It is not required to log in to the Modem Home Page to access the internet. Logging in to the Modem Home Page is required to manage the settings of your Modem.

To log in to the Modem Home Page, you'll need to enter a password. The default password is —CEAR123”.

We recommend bookmarking the Modem Home Page for easy reference.

# Manage Your Modem (continued)

## Modem Home Page / Home Tab

The Home Tab displays helpful information about the Modem.



If you're using your Modem and are connected to the internet, click [here](#) to open the Modem Home Page.

- **Signal Meter:** Shows the Modem's signal strength in its current location. Five LEDs lit indicates an excellent signal.
- **Current Device Settings:**
  - **Device Software Version:** Shows the software version of the Modem, which cannot be changed.
  - **WiMAX MAC ID:** Shows the MAC ID of the Modem. A Mac ID is a unique serial number burned into network adaptors that identifies them on a network.
  - **CINR:** Displays a measurement of signal effectiveness, or CINR, for the active connection.
  - **WAN IP Address:** Displays the Internet Protocol (IP) address used to locate / access your Modem.
  - **Firewall ON/OFF:** A firewall can be used to help to protect your home network from unauthorized access. A firewall also helps to manage authorized access from the internet to your Modem.
  - **Device Up Time:** Displays the length of time the Modem has been on.
  - **Port Forwarding:** Port forwarding enables you to direct incoming traffic to specific LAN hosts (computers on your network) based on the protocol and port number. It is used to play Internet games or provide local services (such as web hosting) for a LAN group.
  - **ATA Status:** Telephony service is not available with the Modem, so this field will be blank.
  - **DM Status:** Telephony service is not available with the Modem, so this field will be blank.
  - **Off Hook:** Telephony service is not available with the Modem, so this field will be blank.
  - **Message Waiting:** Telephony service is not available with the Modem, so this field will be blank.

The other tabs (Device Status, Basic, and Advanced) appear on all screens (tabs) of the Modem Home Page.

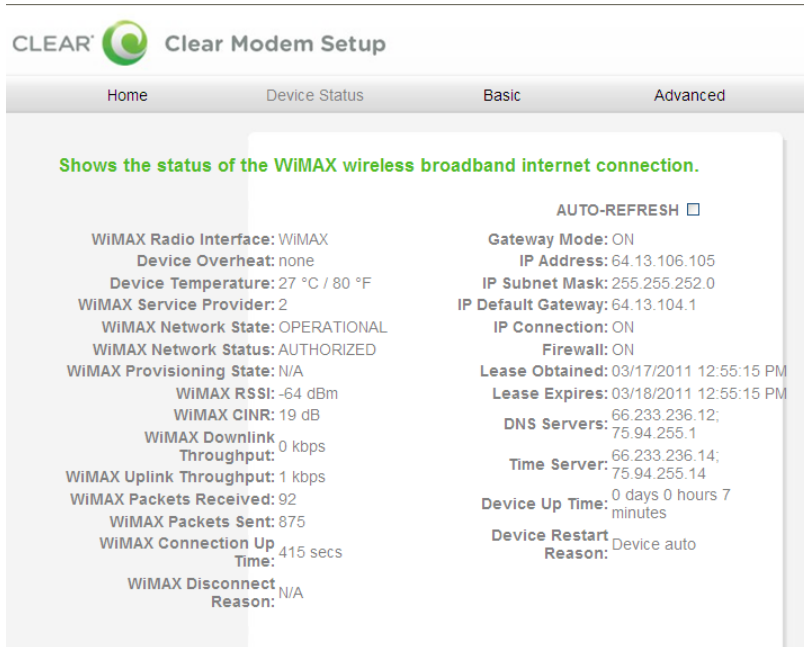
At the bottom of every tab of the Modem Home Page, you can click:

- **Logout:** To log out of the Modem.
- **Reboot:** To turn the Modem off and turn it back on.
- **Reconnect:** To reconnect to the Modem, if you've lost your connection.

# Manage Your Modem (continued)

## Modem Home Page / Device Status Tab

This screen shows the status of the Modem.



If you're using your Modem and are connected to the internet, click [here](#) to open the Modem Home Page.

- **Auto-Refresh:** Click so the data automatically refreshes every three seconds.
- **WiMAX Radio Interface:** Displays the status (enabled / disabled) of the Modem.
- **Device Overheat:** Indicates if the Modem is overheated.
- **Device Temperature:** Displays the current temperate of the Modem.
- **WiMAX Service Provider:** Displays the service provider with whom the Modem is activated.
- **WiMAX Network State:** Displays the operational state of the Modem.
- **WiMAX Network Status:** Displays the status of the Modem on the CLEAR 4G network.
- **WiMAX Provisioning State:** Displays the provisioning state of the Modem.
- **WiMAX RSSI:** Displays the power present in the radio signal (RSSI) of the active connection.
- **WiMAX CINR:** Displays a measurement of signal effectiveness, or CINR, for the active connection.
- **WiMAX Downlink Throughput:** Displays the downlink bandwidth.
- **WiMAX Uplink Throughput:** Displays the uplink bandwidth.
- **WiMAX Packets Received:** Shows the number of WiMAX data packets received by the Modem.
- **WiMAX Packets Sent:** Shows the number of WiMAX data packets sent by the Modem.
- **WiMAX Connection Up Time:** Shows the length of time the Modem has been connected to the CLEAR 4G network.
- **WiMAX Disconnect Reason:** Describes the reason a computer was disconnected from the Modem.
- **Gateway Mode:** Displays the status of the Gateway Mode.
- **IP Address:** Displays the Internet Protocol (IP) Address used to locate and access your Modem.
- **IP Subnet Mask:** The subnet mask can be used to subdivide the network.
- **IP Default Gateway:** Displays the IP Default Gateway value.
- **IP Connection:** Displays the IP Connection status (ON or OFF).

## Manage Your Modem (continued)

### Modem Home Page / Device Status Tab (continued)

- **Firewall:** A firewall can be used to help protect your home network from unauthorized access. A firewall also helps to manage authorized access from the internet to your Modem.
- **Lease Obtained:** Displays the time your Modem obtained an Internet Address from the CLEAR 4G network.
- **Lease Expires:** Displays the time your Modem's Internet Address from CLEAR 4G network will expire and be renewed.
- **DNS Servers:** Displays the server(s) your Modem will query about Internet domain names (e.g. [www.clear.com](http://www.clear.com)).
- **Time Server:** Displays the server(s) your Modem will query to get the current time.
- **EMS Server (Electronic Management Systems):** Displays if the Modem is connected to the system.
- **EMS Bootstrap:** Displays confirmation if the Modem is bootstrapped.
- **Device Up Time:** Displays the amount of time your Modem has been powered up and running.

The other tabs (Home, Basic, and Advanced) appear on all screens (tabs) of the Modem Home Page.

## Manage Your Modem (continued)

### Modem Home Page / Basic / Password Tab

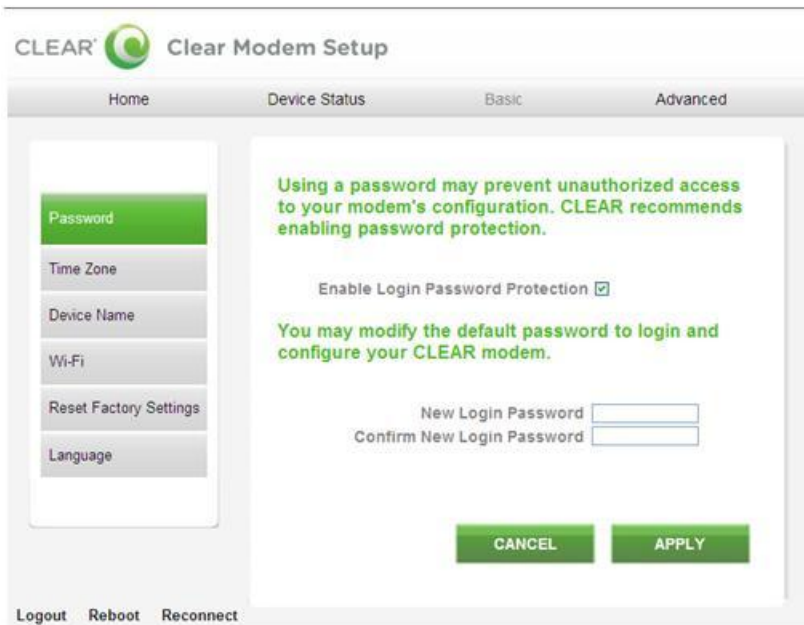
Using a password may help prevent unauthorized access to your Modem. CLEAR recommends enabling password protection.

Use this screen to enable/disable login password protection.

And, change the default password required to login and manage your Modem. The default password to log in is —CLEAR123”.

Click –APPLY” when you’re ready to enable password protection and change the password required to log in and manage your Modem.

If you don’t want to make any password changes, click –CANCEL”.



The screenshot shows the 'CLEAR Modem Setup' interface, specifically the 'Basic' tab and 'Password' section. The left sidebar contains links for Password, Time Zone, Device Name, Wi-Fi, Reset Factory Settings, and Language. The main content area has a green header with the text: 'Using a password may prevent unauthorized access to your modem's configuration. CLEAR recommends enabling password protection.' Below this is a checkbox labeled 'Enable Login Password Protection' which is checked. Another green header states: 'You may modify the default password to login and configure your CLEAR modem.' This is followed by two input fields: 'New Login Password' and 'Confirm New Login Password'. At the bottom of the main area are two green buttons: 'CANCEL' and 'APPLY'. At the very bottom of the interface are links for 'Logout', 'Reboot', and 'Reconnect'.

If you’re using your Modem and are connected to the internet, click [here](#) to open the Modem Home Page.

The other tabs (Home, Device Status, and Advanced) appear on all screens (tabs) of the Modem Home Page.

At the bottom of every tab of the Modem Home Page, you can click:

- **Logout:** To log out of the Modem.
- **Reboot:** To turn the Modem off and turn it back on.
- **Reconnect:** To reconnect to the Modem, if you’ve lost your connection.

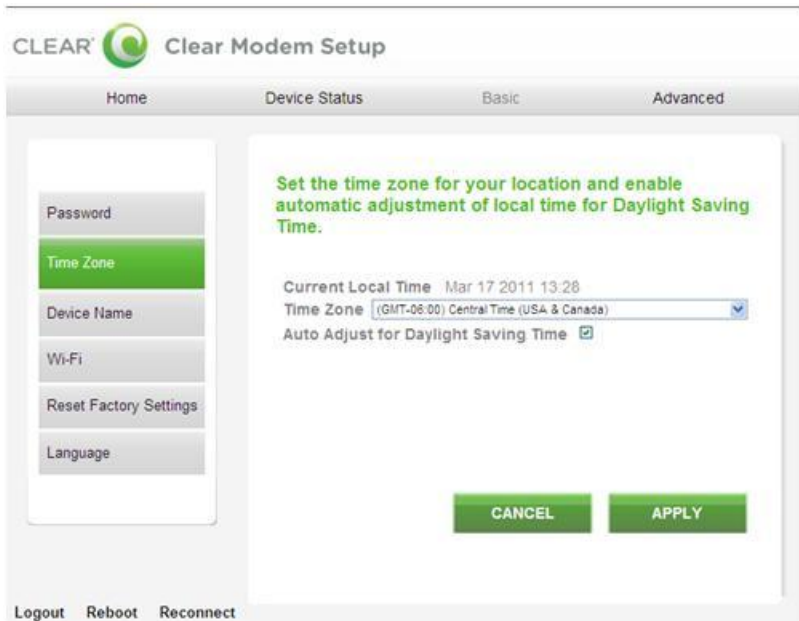
## Manage Your Modem (continued)

### Modem Home Page / Basic / Time Zone Tab

Set the time zone for your current location, and enable or disable —Auto Adjust” for Daylight Savings Time.

Click —APPLY” when you’re ready to change the time zone settings for your Modem.

If you don’t want to make any changes to the time zone settings, click —CANCEL”.



The screenshot shows the 'CLEAR Modem Setup' web interface. At the top, there are four tabs: 'Home', 'Device Status', 'Basic', and 'Advanced'. The 'Basic' tab is selected. On the left side of the 'Basic' tab, there is a vertical menu with options: 'Password', 'Time Zone' (highlighted in green), 'Device Name', 'Wi-Fi', 'Reset Factory Settings', and 'Language'. The main content area of the 'Basic' tab displays the 'Time Zone' settings. It includes a green instruction: 'Set the time zone for your location and enable automatic adjustment of local time for Daylight Saving Time.' Below this, it shows 'Current Local Time' as 'Mar 17 2011 13:28'. The 'Time Zone' is set to '(GMT-06:00) Central Time (USA & Canada)' via a dropdown menu. The 'Auto Adjust for Daylight Saving Time' checkbox is checked. At the bottom of the settings area are two green buttons: 'CANCEL' and 'APPLY'. At the very bottom of the interface, there are links for 'Logout', 'Reboot', and 'Reconnect'.

If you’re using your Modem and are connected to the internet, click [here](#) to open the Modem Home Page.

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- **Reconnect:** To reconnect to the Modem, if you’ve lost your connection.

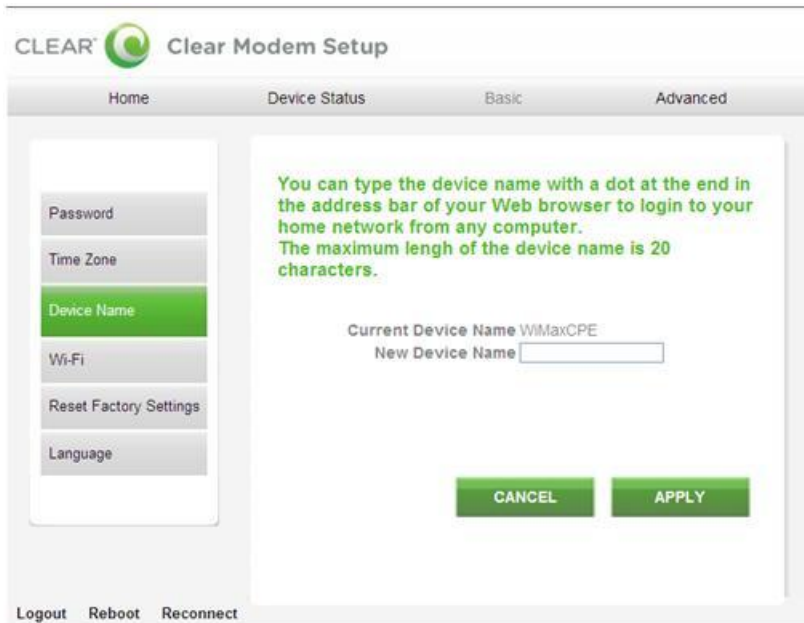
## Manage Your Modem (continued)

### Modem Home Page / Basic / Device Name Tab

Change the name of the Modem. The default name is “mywimax.” The device name is the name you enter in an internet browser address bar in order to access your Modem.

Click “APPLY” when you’re ready to change the Modem device name.

If you don’t want to make any changes to the Modem device name, click “CANCEL”.



The screenshot shows the 'CLEAR Modem Setup' interface. At the top, there are four tabs: 'Home', 'Device Status', 'Basic', and 'Advanced'. The 'Basic' tab is selected. On the left side, there is a vertical menu with options: 'Password', 'Time Zone', 'Device Name' (highlighted in green), 'Wi-Fi', 'Reset Factory Settings', and 'Language'. The main content area displays instructions in green text: 'You can type the device name with a dot at the end in the address bar of your Web browser to login to your home network from any computer. The maximum length of the device name is 20 characters.' Below this, it shows 'Current Device Name WimaxCPE' and a text input field for 'New Device Name'. At the bottom of the main area are two green buttons: 'CANCEL' and 'APPLY'. At the very bottom of the interface, there are links for 'Logout', 'Reboot', and 'Reconnect'.

If you’re using your Modem and are connected to the internet, click [here](#) to open the Modem Home Page.

The other tabs (Home, Device Status, and Advanced) appear on all screens (tabs) of the Modem Home Page.

At the bottom of every tab of the Modem Home Page, you can click:

- **Logout:** To log out of the Modem.
- **Reboot:** To turn the Modem off and turn it back on.
- **Reconnect:** To reconnect to the Modem, if you’ve lost your connection.



## Manage Your Modem (continued)

### Modem Home Page / Basic / Wi-Fi Tab

Your Modem has the capability to transmit a wi-fi signal, allowing compatible wi-fi-enabled devices to connect to its wi-fi network. Use this page to change the basic wi-fi settings of the Modem.

- **Enable Wi-Fi Interface:** Check the box so the Modem transmits a wi-fi signal, creating a wi-fi network
- **Network Name (SSID):** Shows the Modem's wi-fi network name (SSID), which is broadcast by the CLEAR Spot, to allow wi-fi-enabled devices to identify and connect to it. The default wi-fi network name is WiFiRSU\_xx, where —xx are the last two digits of the MAC ID, which can be found on the label on the back of the Modem. The MAC ID also might be referred to as WAN MAC ID.
- **Wi-Fi Password:** Shows the wi-fi password needed to access the Modem's wi-fi network. The default wi-fi password is comprised of the last eight of the MAC ID, which can be found on the label on the back of the Modem. The MAC ID also might be referred to as WAN MAC ID.
- **Radio Channel:** Shows the channel number being used by the Modem. Click —Auto— for the CLEAR Spot automatically to choose the best available channel; or select a specific channel (from the drop-down box).

Click —APPLY— when you're ready to change the basic wi-fi settings.

If you don't want to make any changes to the basic wi-fi settings, click —CANCEL—.

The screenshot shows the 'CLEAR Modem Setup' interface. At the top, there are four tabs: 'Home', 'Device Status', 'Basic', and 'Advanced'. The 'Basic' tab is selected. On the left side, there is a vertical menu with options: 'Password', 'Time Zone', 'Device Name', 'Wi-Fi' (which is highlighted in green), 'Basic', 'Advanced', 'WPS', 'Reset Factory Settings', and 'Language'. Below this menu are links for 'Logout', 'Reboot', and 'Reconnect'. The main content area is titled 'Configures basic Wi-Fi settings.' and contains the following settings: 'Enable WiFi Interface' with a checked checkbox, 'Network Name (SSID)' with a text field containing 'WiFiRSU\_e4', 'WiFi Password' with a text field containing '8807e0e4', and 'Radio Channel' with a dropdown menu set to 'Auto'. At the bottom of the main area are two green buttons: 'CANCEL' and 'APPLY'.

If you're using your Modem and are connected to the internet, click [here](#) to open the Modem Home Page.

The other tabs (Home, Device Status, and Advanced) appear on all screens (tabs) of the Modem Home Page.

At the bottom of every tab of the Modem Home Page, you can click:

- **Logout:** To log out of the Modem.
- **Reboot:** To turn the Modem off and turn it back on.
- **Reconnect:** To reconnect to the Modem, if you've lost your connection.

## Manage Your Modem (continued)

### Modem Home Page / Basic / Reset Factory Settings Tab

Use this tab to reset the Modem to the default factory settings.

**Note:** It is important to note that many device settings will be reset to the factory default settings. For example, the password required to log in and manage your Modem will be reset to —CLEAR123”, the factory default setting.

Click —APPLY” when you’re ready to restore the Modem to the factory settings and / or check for updates. The Modem restarts when you click —APPLY”.

If you don’t want to restore the factory settings, click —CANCEL”.



If you’re using your Modem and are connected to the internet, click [here](#) to open the Modem Home Page.

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At the bottom of every tab of the Modem Home Page, you can click:

- **Logout:** To log out of the Modem.
- **Reboot:** To turn the Modem off and turn it back on.
- **Reconnect:** To reconnect to the Modem, if you’ve lost your connection.

You also can press the Reset button, on the side of the Modem, to reset the Modem to the factory settings. Please refer to the Quick Tips / Resetting your Username and Password section or click [here](#) for more information.

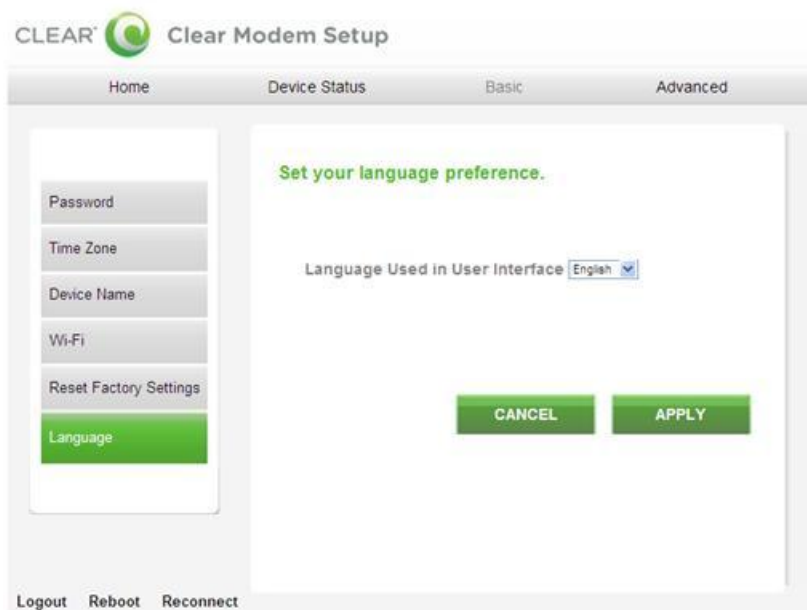
## Manage Your Modem (continued)

### Modem Home Page / Basic / Language Tab

Set the language (English or Spanish) that is used in your CLEAR Modem Home page.

Click “APPLY” when you’re ready to change the language setting.

If you don’t want to make any changes to the language setting, click “CANCEL”.



If you’re using your Modem and are connected to the internet, click [here](#) to open the Modem Home Page.

The other tabs (Home, Device Status, and Advanced) appear on all screens (tabs) of the Modem Home Page.

At the bottom of every tab of the Modem Home Page, you can click:

- **Logout:** To log out of the Modem.
- **Reboot:** To turn the Modem off and turn it back on.
- **Reconnect:** To reconnect to the Modem, if you’ve lost your connection.

## Manage Your Modem (continued)

### Modem Home Page / Advanced / Firewall Tab

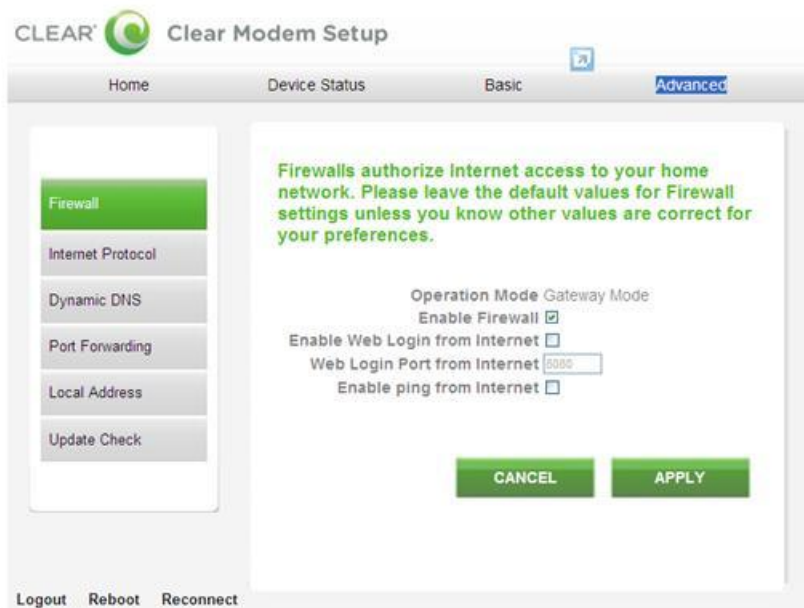
**Warning:** This tab includes settings that could negatively impact the performance of the Modem, if set incorrectly. These settings should be modified only by advanced users or if directed by CLEAR Customer Care.

A firewall can be used to help protect your home network from unauthorized access. A firewall also helps to manage unauthorized access from the internet to your Modem.

- **Operation Mode:** The default Gateway Mode setting, which can't be changed.
- **Enable Firewall:** Check the box to enable the firewall setting.
- **Enable Web Login from Internet:** Check the box to enable you to access your Modem from a network other than your own.
- **Web Login Port from Internet:** Choose a port number with which to connect when logging in from a network other than your own. The default is 8080.
- **Enable ping from Internet:** Check the box to enable your Modem to respond to a ping from the internet. This option should be enabled to allow testing only.

Click –APPLY” when you’re ready to change the firewall settings.

If you don’t want to make any changes to the firewall settings, click –CANCEL”.



If you’re using your Modem and are connected to the internet, click [here](#) to open the Modem Home Page.

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- **Logout:** To log out of the Modem.
- **Reboot:** To turn the Modem off and turn it back on.
- **Reconnect:** To reconnect to the Modem, if you’ve lost your connection.

## Manage Your Modem (continued)

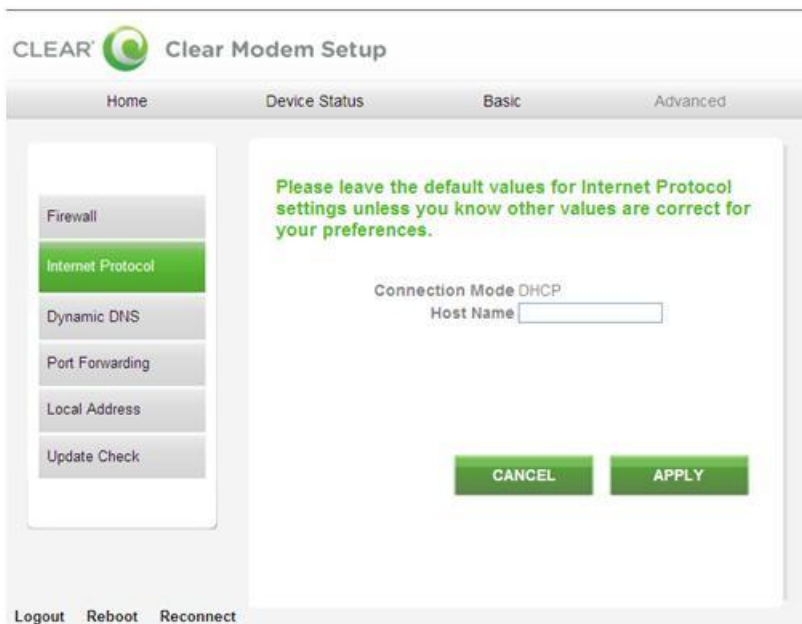
### Modem Home Page / Advanced / Internet Protocol Tab

**Warning:** This screen includes settings that could negatively impact the performance of the Modem, if set incorrectly. These settings should be modified only by advanced users or if directed by CLEAR Customer Care.

- **Connection Mode:** DHCP (Dynamic Host Configuration Protocol) is used to automatically assign IP Addresses and configuration information to wi-fi clients, thereby greatly simplifying network set up. If you desire, you may configure the range of IP Addresses that the Modem will allow to recognize the Modem.
- **Host Name:** Enter the host name to be used.

Click –APPLY” when you’re ready to change the Internet Protocol settings.

If you don’t want to make any changes to the Internet Protocol settings, click –Undo.”

The screenshot shows the 'CLEAR Modem Setup' interface. At the top, there are four tabs: 'Home', 'Device Status', 'Basic', and 'Advanced'. The 'Advanced' tab is selected. On the left side, there is a vertical menu with options: 'Firewall', 'Internet Protocol' (which is highlighted in green), 'Dynamic DNS', 'Port Forwarding', 'Local Address', and 'Update Check'. The main content area displays a message in green text: 'Please leave the default values for Internet Protocol settings unless you know other values are correct for your preferences.' Below this message, it says 'Connection Mode DHCP' and 'Host Name' followed by a text input field. At the bottom of the main area, there are two green buttons: 'CANCEL' and 'APPLY'. At the very bottom of the interface, there are three links: 'Logout', 'Reboot', and 'Reconnect'.

If you’re using your Modem and are connected to the internet, click [here](#) to open the Modem Home Page.

The other tabs (Home, Device Status, and Basic) appear on all screens (tabs) of the Modem Home Page.

At the bottom of every tab of the Modem Home Page, you can click:

- **Logout:** To log out of the Modem.
- **Reboot:** To turn the Modem off and turn it back on.
- **Reconnect:** To reconnect to the Modem, if you’ve lost your connection.

## Manage Your Modem (continued)

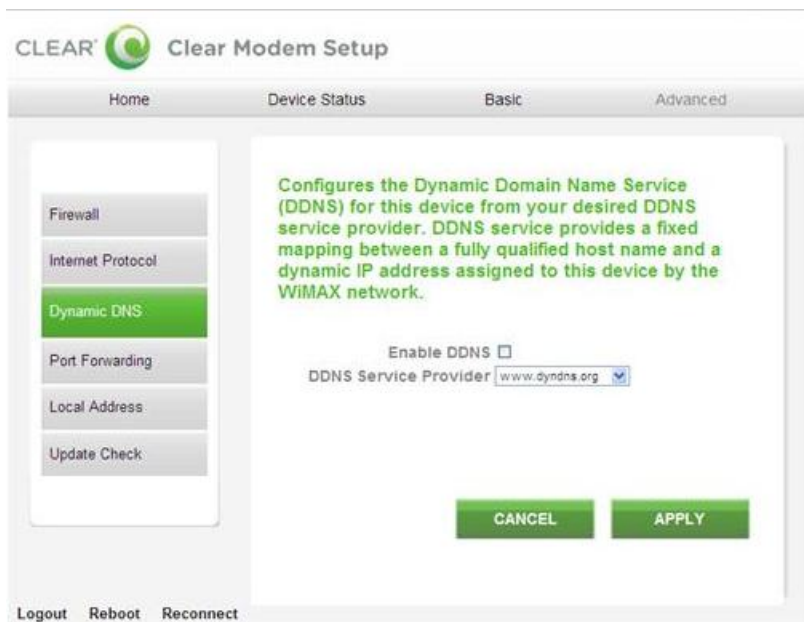
### Modem Home Page / Advanced / Dynamic DNS Tab

**Warning:** This tab includes settings that could negatively impact the performance of the Modem, if set incorrectly. These settings should be modified only by advanced users or if directed by CLEAR Customer Care.

- **Enable DDNS:** (Dynamic Domain Name Service) allows a user with a non-static IP address to keep his / her domain name associated with an ever-changing IP address. An example is when you are hosting your own website.
- **DDNS Service Provider:** Select the service provider from the drop-down box.

Click **APPLY** when you're ready to change the Dynamic DNS settings.

If you don't want to make any changes to the Dynamic DNS Settings, click **CANCEL**.

The screenshot shows the 'CLEAR Modem Setup' interface. At the top, there are four tabs: 'Home', 'Device Status', 'Basic', and 'Advanced'. The 'Advanced' tab is selected. On the left side, there is a vertical menu with options: 'Firewall', 'Internet Protocol', 'Dynamic DNS' (which is highlighted in green), 'Port Forwarding', 'Local Address', and 'Update Check'. The main content area displays the 'Dynamic DNS' configuration. It includes a green text block explaining that DDNS configures the Dynamic Domain Name Service for the device. Below this, there is a checkbox for 'Enable DDNS' which is currently unchecked. Underneath the checkbox is a dropdown menu for 'DDNS Service Provider' with 'www.dyndns.org' selected. At the bottom of the main content area, there are two green buttons: 'CANCEL' and 'APPLY'. At the very bottom of the interface, there are three links: 'Logout', 'Reboot', and 'Reconnect'.

If you're using your Modem and are connected to the internet, click [here](#) to open the Modem Home Page.

The other tabs (Home, Device Status, and Basic) appear on all screens (tabs) of the Modem Home Page.

At the bottom of every tab of the Modem Home Page, you can click:

- **Logout:** To log out of the Modem.
- **Reboot:** To turn the Modem off and turn it back on.
- **Reconnect:** To reconnect to the Modem, if you've lost your connection.

## Manage Your Modem (continued)

### Modem Home Page / Advanced / Port Forwarding / Basic Tab

**Warning:** This tab includes settings that could negatively impact the performance of the Modem, if set incorrectly. These settings should be modified only by advanced users or if directed by CLEAR Customer Care.

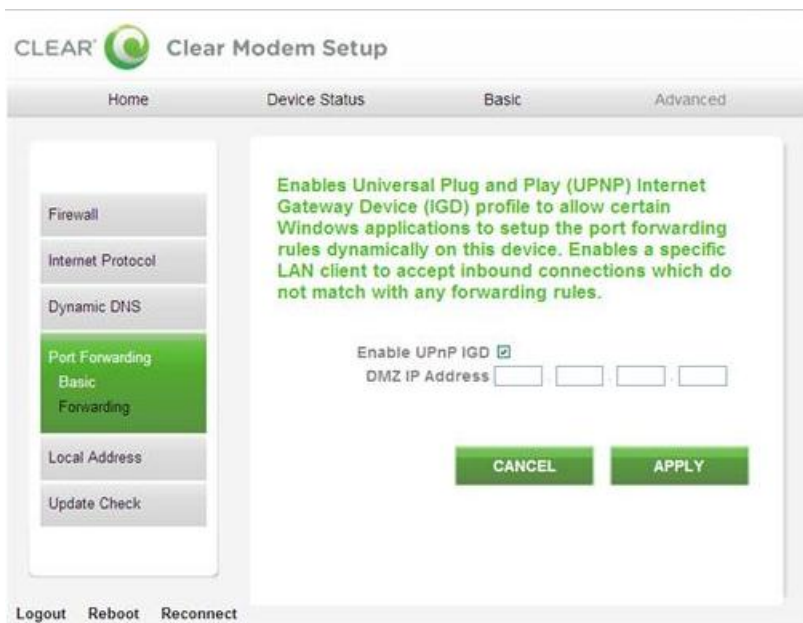
Port forwarding enables you to direct incoming traffic to specific LAN hosts (computers on your network) based on the protocol and port number. It is used to play Internet games or provide local services (such as web hosting) for a LAN group.

Use this tab to enable Universal Plug and Play and set the DMZ IP Addresses:

- **Enable UPnP IGD:** Enable the Universal Plug and Play (UPnP) Internet Gateway Device (IGD) profile to allow certain Windows applications to set up the port forwarding rule dynamically. This is used when NAT is enabled on the Modem.
- **DMZ IP Address:** A DMZ is a —Demilitarized Zone” between a secure internal network and an unsecured network such as the internet. Usually devices or computers that need less restrictive settings are placed in a DMZ. Enter the DMZ IP Address here.

Click **APPLY**” when you’re ready to save the basic Port Forwarding settings.

If you don’t want to make any changes to the basic Port Forwarding settings, click **CANCEL**”.



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- **Reconnect:** To reconnect to the Modem, if you’ve lost your connection.



## Manage Your Modem (continued)

### Modem Home Page / Advanced / Port Forwarding / Forwarding Tab

**Warning:** This tab includes settings that could negatively impact the performance of the Modem, if set incorrectly. These settings should be modified only by advanced users or if directed by CLEAR Customer Care.

Port forwarding enables you to direct incoming traffic to specific LAN hosts (computers on your network) based on the protocol and port number. It is used to play Internet games or provide local services (such as web hosting) for a LAN group.

Use this Tab to Add or Delete an IP Address that should be used for Port Forwarding.

Click –APPLY” when you’re ready to change the Port Forwarding settings.

If you don’t want to make any changes to the Port Forwarding settings, click –CANCEL”.

CLEAR Clear Modem Setup

Home Device Status Basic Advanced

Firewall  
Internet Protocol  
Dynamic DNS  
Port Forwarding  
Local Address  
Update Check

Forwards inbound connections destined to the ports on the WIMAX interface to a specific client on your local network.

Select	Protocol	WAN Port	LAN IP	Enabled
		Begin End		

ADD DELETE  
CANCEL APPLY

Logout Reboot Reconnect

If you’re using your Modem and are connected to the internet, click [here](#) to open the Modem Home Page.

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## Manage Your Modem (continued)

### Modem Home Page / Advanced / Local Address / DHCP Server Tab

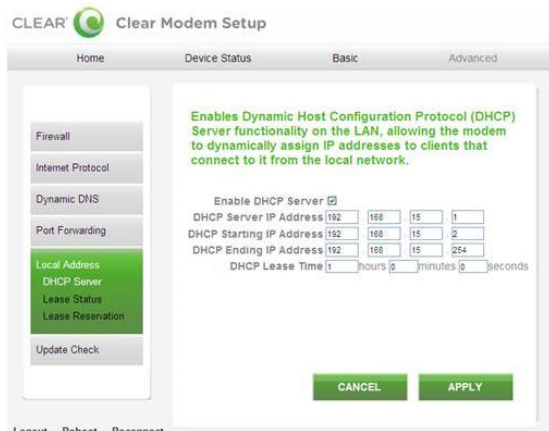
**Warning:** This tab includes settings that could negatively impact the performance of the Modem, if set incorrectly. These settings should be modified only by advanced users or if directed by CLEAR Customer Care.

Dynamic Host Configuration Protocol (DHCP) is used to automatically assign IP Addresses and configuration information to wi-fi clients, thereby greatly simplifying network set up. If you desire, you may configure the range of IP addresses that the Modem will allow to recognize the Modem.

- **Enable DHCP Server:** If enabled, the DHCP server on the gateway assigns IP addresses to the computers and other hosts on your network, if they have DHCP enabled. By default, the gateway server is enabled. If there is another DHCP server running on your network (on another router), disable one of the DHCP servers.
- **DHCP Server IP Address:** Enter the default port forwarding LAN Client IP Address.
- **DHCP Starting IP Address:** Sets the first IP address assigned by the DHCP server, in dotted decimal format. It must be greater than the IP address value of the gateway.
- **DHCP Ending IP Address:** Sets the final IP address assigned by the DHCP server. If the DHCP server runs out of DHCP addresses, users cannot access network resources. If this happens, increase the Ending IP or decrease the Lease Time.
- **DHCP Lease Time:** Sets the time that a network computer remains connected to the gateway using its currently assigned IP address. At the end of this time, the DHCP server renews the lease or assigns the computer a new IP address.

Click –APPLY” when you’re ready to change the DHCP Server settings.

If you don’t want to make any changes to the DHCP Server settings, click –CANCEL”.



If you’re using your Modem and are connected to the internet, click [here](#) to open the Modem Home Page.

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At the bottom of every tab of the Modem Home Page, you can click:

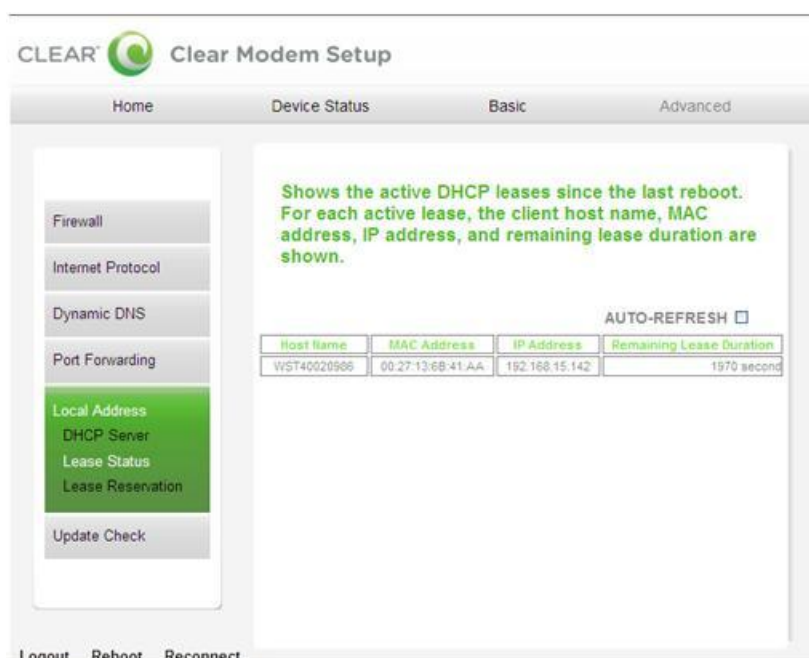
- **Logout:** To log out of the Modem.
- **Reboot:** To turn the Modem off and turn it back on.
- **Reconnect:** To reconnect to the Modem, if you’ve lost your connection.

## Manage Your Modem (continued)

### Modem Home Page / Advanced / Local Address / Lease Status Tab

This screen displays the active DHCP lease, since the last reboot. For each active lease, the following information is displayed:

- **Host Name:** Displays the client host name. The name field is limited to 20 characters.
- **MAC Address:** Shows the Media Access Control (MAC) Address.
- **IP Address:** Shows the IP Address for each active lease.
- **Remaining Lease Duration:** Shows the amount of time remaining in the lease.
- **Auto-Refresh:** When the box is checked, refreshes the data automatically every three seconds.



If you're using your Modem and are connected to the internet, click [here](#) to open the Modem Home Page.

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- **Logout:** To log out of the Modem.
- **Reboot:** To turn the Modem off and turn it back on.
- **Reconnect:** To reconnect to the Modem, if you've lost your connection.

## Manage Your Modem (continued)

### Modem Home Page / Advanced / Local Address / Lease Reservation Tab

**Warning:** This tab includes settings that could negatively impact the performance of the Modem, if set incorrectly. These settings should be modified only by advanced users or if directed by CLEAR Customer Care.

- This tab allows you to manage the lease reservation so that the same client receives the same IP address each time.
- Add or delete Host Name, Mac Address, and IP addresses.

Click –APPLY” when you’re ready to change the lease reservation settings.

If you don’t want to make any changes to the lease reservation settings, click –CANCEL”.

Select	Host Name	MAC Address	IP Address	Enabled
--------	-----------	-------------	------------	---------

ADD DELETE  
CANCEL APPLY

If you’re using your Modem and are connected to the internet, click [here](#) to open the Modem Home Page.

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At the bottom of every tab of the Modem Home Page, you can click:

- **Logout:** To log out of the Modem.
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## Manage Your Modem (continued)

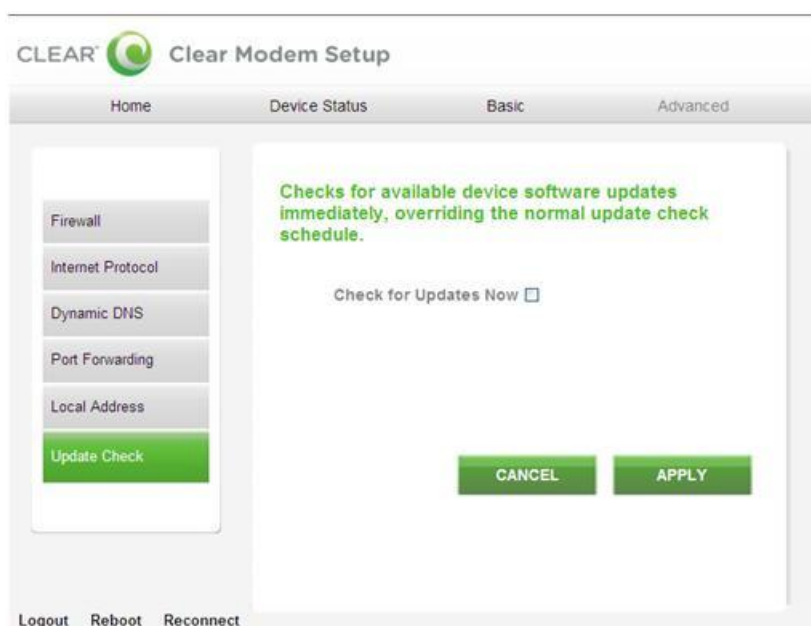
### Modem Home Page / Advanced / Check Updates Tab

This screen allows you to view and update your software information.

- **Check for Updates Now:** Check for available Modem software updates immediately, overriding the normal update check schedule.

Click –APPLY” when you’re ready to check for updates.

If you don’t want to check for updates, click –CANCEL”.



If you’re using your Modem and are connected to the internet, click [here](#) to open the Modem Home Page.

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At the bottom of every tab of the Modem Home Page, you can click:

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- **Reconnect:** To reconnect to the Modem, if you’ve lost your connection.

## Quick Tips

### Understanding the LED Lights

- **Signal Strength LEDs:**
  - While the Modem is searching for CLEAR 4G service, the Signal Strength LEDs blink in a chase pattern.
  - While the Modem is connecting to CLEAR 4G service, the Signal Strength LEDs all blink in unison.
  - Once the Modem registers with CLEAR 4G service, the Signal Strength LEDs will stay lit – the more LEDs lit, the stronger the signal strength.
- **Wi-Fi LED:** Remains lit when wi-fi is available.
- **Power LED:** Indicates the Modem is turned on.
- **Network LED:**
  - A solid green light means a connection to the CLEAR 4G signal has been made.
  - A blinking yellow light means data is being transmitted.

### To Maximize Signal Strength

- It's best to position the Modem near an outside wall or window and away from obstructions.
- Troubleshooting Tips if the Modem doesn't display at least two Signal Strength LED lights.
  - Move the Modem (not your computer) to another room, and wait 15 – 20 seconds after the LED lights are solid white, in order to obtain the most accurate reading of the CLEAR 4G signal.
  - To optimize the signal strength in the Modem's current location, try turning the Modem by small ¼" increments.
  - When you find the strongest CLEAR 4G signal, connect your computer to the wi-fi network.
  - If, for some reason, the room with the strongest CLEAR 4G signal is not where you want to put the Modem, consider moving the Modem to a room with a strong CLEAR 4G signal.

### Unable to browse the internet?

Try moving the Modem to different locations until at least two LED lights are lit.

If the room with the strongest CLEAR 4G signal is not where you want to put the Modem, consider putting the Modem in another room with a strong CLEAR signal.

#### **OTHERWISE, TRY THESE STEPS TO GET ONLINE**

- Turn the Modem off for 15 seconds.
- Bypass any power strips and try a different power outlet.
- Connect the Modem directly to the computer, bypassing all routers.
- Check the connection between the Modem and your computer, make sure the cable fits securely in the port, and then restart your computer.

## Quick Tips (continued)

### Ensure your devices recognize your Modem

- Make sure you are using the correct Modem wi-fi network name and password. The default wi-fi network name is “Wi-FiRSU-xx”, where “xx” are the last two digits of the MAC ID, which can be found on the label on the back of the Modem. The MAC ID also might be referred to as WAN MAC ID.
- Make sure the wi-fi-enabled devices with which you are trying to share are within range of your Modem – usually within 150 feet.

If you are sharing the Modem wi-fi network with other devices and you turn the Modem off, the other devices won't be able to access the internet.

### Maximize security of the Modem

- Use the Modem Home Page to change the wi-fi network name and password. If you're using your Modem and are connected to the internet, click [here](#) to open the Modem Home Page.
- Use the highest level of security that your wi-fi-enabled devices support (check the wi-fi-enabled device's user manual for instructions).
- Use the highest level of wi-fi security your wi-fi-enabled devices support – check your wi-fi-enabled device's user manual for instructions.

### Resetting your Username and Password

If you've forgotten your Admin Password, it's easy to reset.

**Note:** It is important to note that many device settings will be reset to the factory default settings. For example, the password required to log in and manage your Modem will be reset to “CLEAR123”, the factory default setting.

- Use a pin to press the Reset button close to the ethernet port (on the side of the Modem). Press and hold the pin on the Reset button for at least 5 seconds. The Modem will be reset to the factory settings and reboot.

**OR**

- Log in to the Modem Home Page by entering <http://192.168.15.1> in your web browser.
- Enter the Default Modem Password (CLEAR123).
- Open the “Basic” Tab and click on “Password”.
- Enter the new password and click “APPLY” to save the settings.
- You also can connect to your Modem with the Ethernet Cable and login using the Default Modem Password, in order to view or change the wi-fi network name and wi-fi password.

### Important Message from CLEAR

- If your browser is stuck on a message from CLEAR, follow the on-screen instructions to view the message and provide any requested information.
- If your account is past due, click the option to make a payment. You also can make a payment through our automated payment system, by calling 888-888-3113 and selecting option 2.

## Important Information

### Technical Specifications

- **Dimensions:** 9.17 in (H) x 6.1 in (W) x 1.18 in (D)
- **Minimum Requirements:**
  - Activated CLEAR Service
  - Internet Explorer®: IE 6.0 or higher
  - Firefox® 3.0 or higher
- **Hardware:** WiMAX chipset – Beceem BCS250
- **Bands Supported:** WiMAX 2500 MHz
- **Compatibility:** Works with any wi-fi-enabled device
- **Antenna:** Internal Omni-Directional 5dB average gain
- **LEDs:**
  - **Signal Strength:** Five
  - **Network:** One
  - **Power:** One
  - **Wi-Fi:** One

## Still need help?

### FAQs and Live Chat Support

- If you have questions about your Modem, please access the FAQs and live chat support at [www.clear.com/support](http://www.clear.com/support).

### Telephone Support

- If you still have questions, please call us at 877-956-4056. We provide automated telephone support 24/7 and live telephone support between 9am and 10pm, local time, seven days a week.

### Questions about your bill?

- When you set up your CLEAR online account, you provided CLEAR with a credit card number to which CLEAR automatically may bill your charges. However, if you desire to view your bill or to change the credit card to which your CLEAR charges are billed, it's easy to do so. If you're connected to the internet, just click [here](#) to login to your CLEAR online account. If you're not connected to the internet, enter [https://www.clear.com/my\\_account/signin.php](https://www.clear.com/my_account/signin.php) in your web browser when you are connected to the internet.

### Important Information Document

- Please read the separate "Important Information" document included with your Modem for regulatory information, safety information, and other important disclosures.

### Warranty Information

- See Section 6(d) of our Terms of Service (at [www.clear.com/legal/terms](http://www.clear.com/legal/terms)) for warranty details.

### Legal Disclosures

- CLEAR coverage areas are limited. Actual CLEAR network performance may vary and is not guaranteed. See Device, Support, and other pages at [www.clear.com](http://www.clear.com) for additional information. CLEAR and the CLEAR logo are trademarks or registered trademarks of Clearwire Communications LLC. Other company, product, and brand names and trademarks are the property of their respective owners. © 2011 Clear Wireless LLC. All rights reserved.