verizon

User Guide

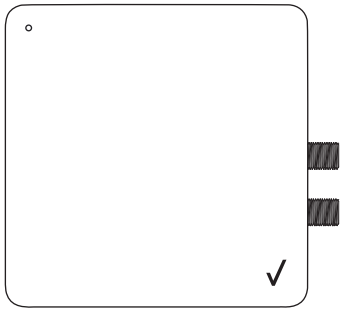
Network Adapter SKU1

verizon

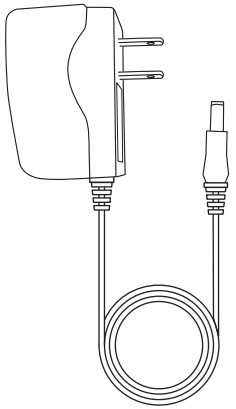
1. Inside the box

Inside the product package you should find the following items. Contact Verizon if any item is missing or damaged

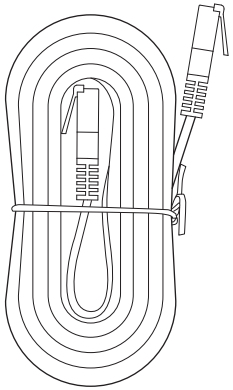
Network Adapter



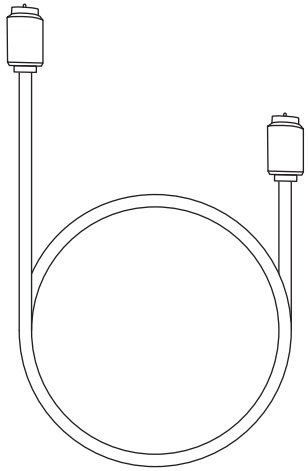
Power Adapter



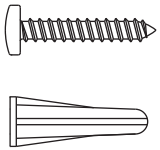
Ether Cable



Coaxial Cable



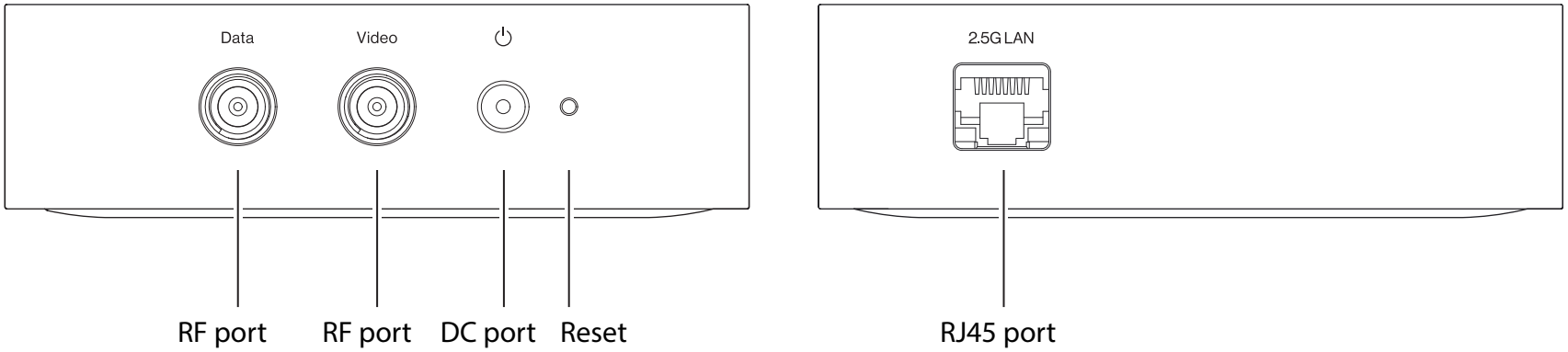
Wall Mount Screw



2. Your Network Adapter

Your Verizon Network Adapter provides MoCA 2.5 and 2.5G Ethernet port for your devices.

Take a moment to familiarize with your product



Reset Button

If you experien ce difficulties with your device or you want to revert all settings that you have changed, the reset functio n allows you to reset the device back to its factory default state. Press and hold the reset button for 10 15 seconds to perform a factory reset resets all settings back to factory defaults).

LEDs

The LED s indicate the system and connection status.

Indicator/ Scenario	Description	Light type
System	System Off	Off
	Power on	Yellow
	MoCA connect	White
	MoCA traffic	White Blinking

RJ45	10/100M connect	Yellow
	1G/2.5G connect	White
	10/100M connect(traffic)	Yellow Blinking
	1G/2.5G connect(traffic)	White Blinking

3. Setting Up Your Network Adapter

3.1 Positioning Your Devicer

For the best transmission from the device

- The equipment shall be mounting at heights less than 2 m.
- Keep the device away from direct sunlight.

3.2 Setup Requirements

To configure your network adapter via computer, you need a computer that meets the following system requirements:

- Ethernet RJ 45 (LAN) port (10Base T/100Base TX/1000BaseTX 2.5GBASE T
- Router(RJ 45 LAN or MoCA LAN)
- An installed TCP/IP service
- Web browser such as Internet Explorer, Firefox, Safari, or Google Chrome

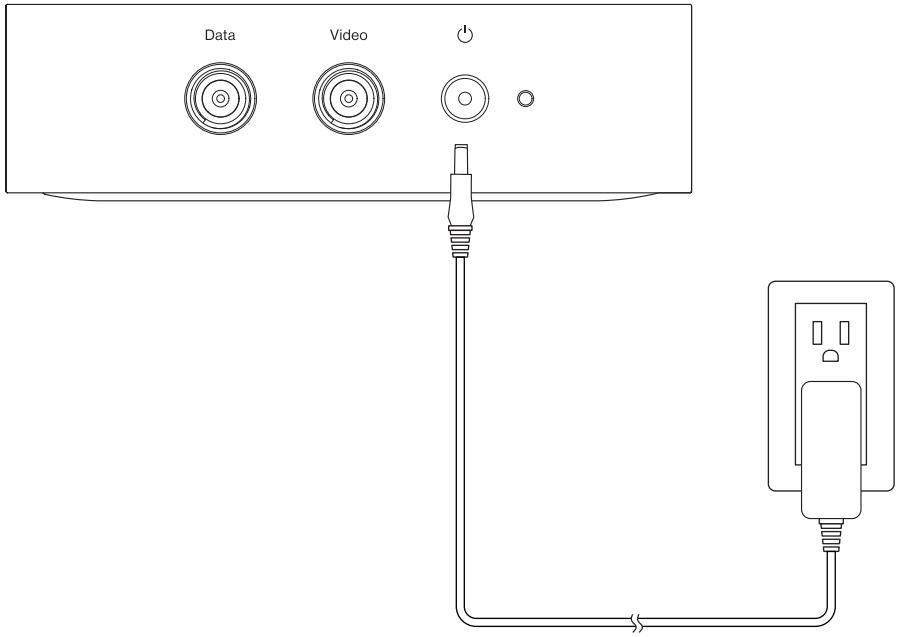
3.3 Setting Up

1. Verify the router in your home is connected to a coax outlet.

2. Connect a cox coax from the Network Adapter to a coax outlet.

3. Plug the Network Adapter into a power outlet with the included power adapter.

4. Setup is complete when MoCA connect success and system light turn white.



4. Login to Your Network Adapter

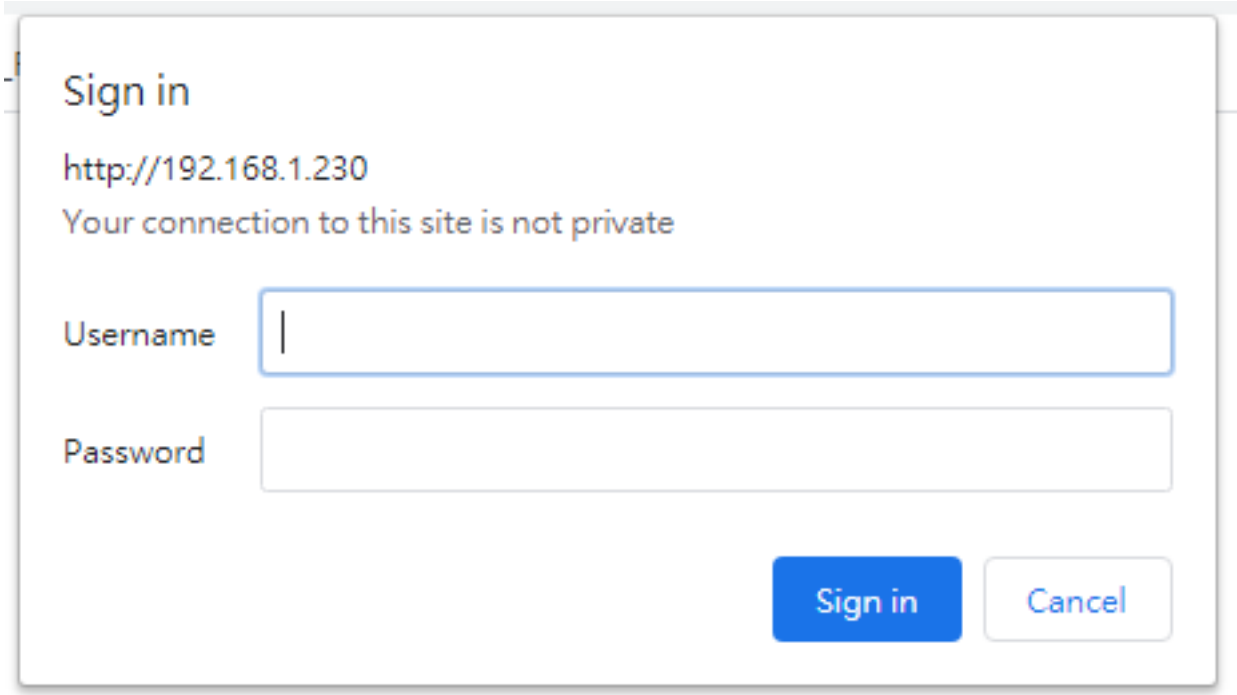
You can find the Web UI login IP in the home router. And you can login to your network adapter ’s Web User Interface (Web UI) to access and change any of your network adapter’s settings and functions, such as MoCA setup.

You can login to the Web UI using a computer

First connect your device to your network adapter then access the Web UI as shown below.

4.1 Connect & Login by Computer

1. Your network adapter can use an Ethernet cable to connect to the home router’s LAN port.
2. Find the Web UI login IP in the home router.
3. Enter your password, which can be found on your network adapter’s product label.
4. Open a web browser and enter the network adapter ’s IP in the address bar.
5. Log in to the Web UI using the default password (Check your network adapter ’s product label for your unique GUI.



6. Go to **Security settings** to change your Web UI login password, and remember to save your settings.

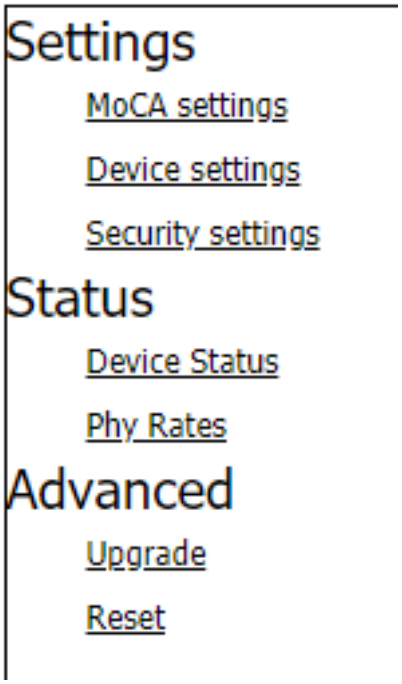
7. Check **4 . Web User Interface** in this guide for more information about your network adapter ’s settings.

5. Web User Interface

Your network adapter's Web User Interface (Web UI) allows you to set up and configure its various functions. You can access the Web UI anytime by entering the network adapter's IP in the address bar o f web browser on a device connected to the network adapter . Check your network adapter 's product label for your unique GUI Password.

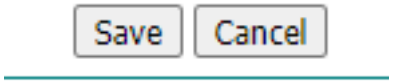
Menu

Use the left side menu to navigate.



Save

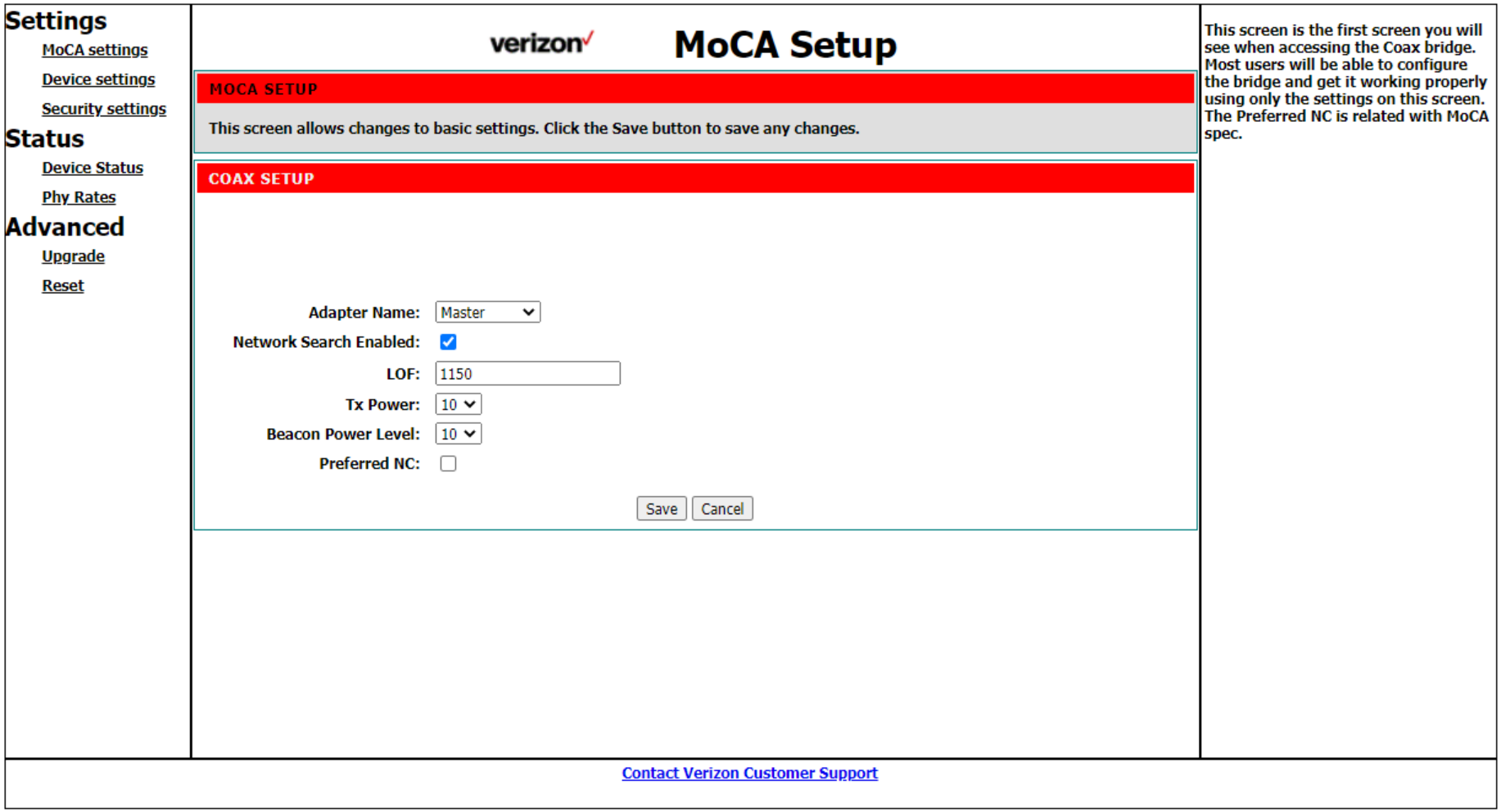
Remember to save your settings with the save button after making changes.



5.1 Settings

5.1.1 MoCA settings

This screen is the first screen you will see when accessing the Coax bridge. Most users will be able to configure the bridge and get it working properly using only the settings on this screen. The Preferred NC is related with MoCA spec.

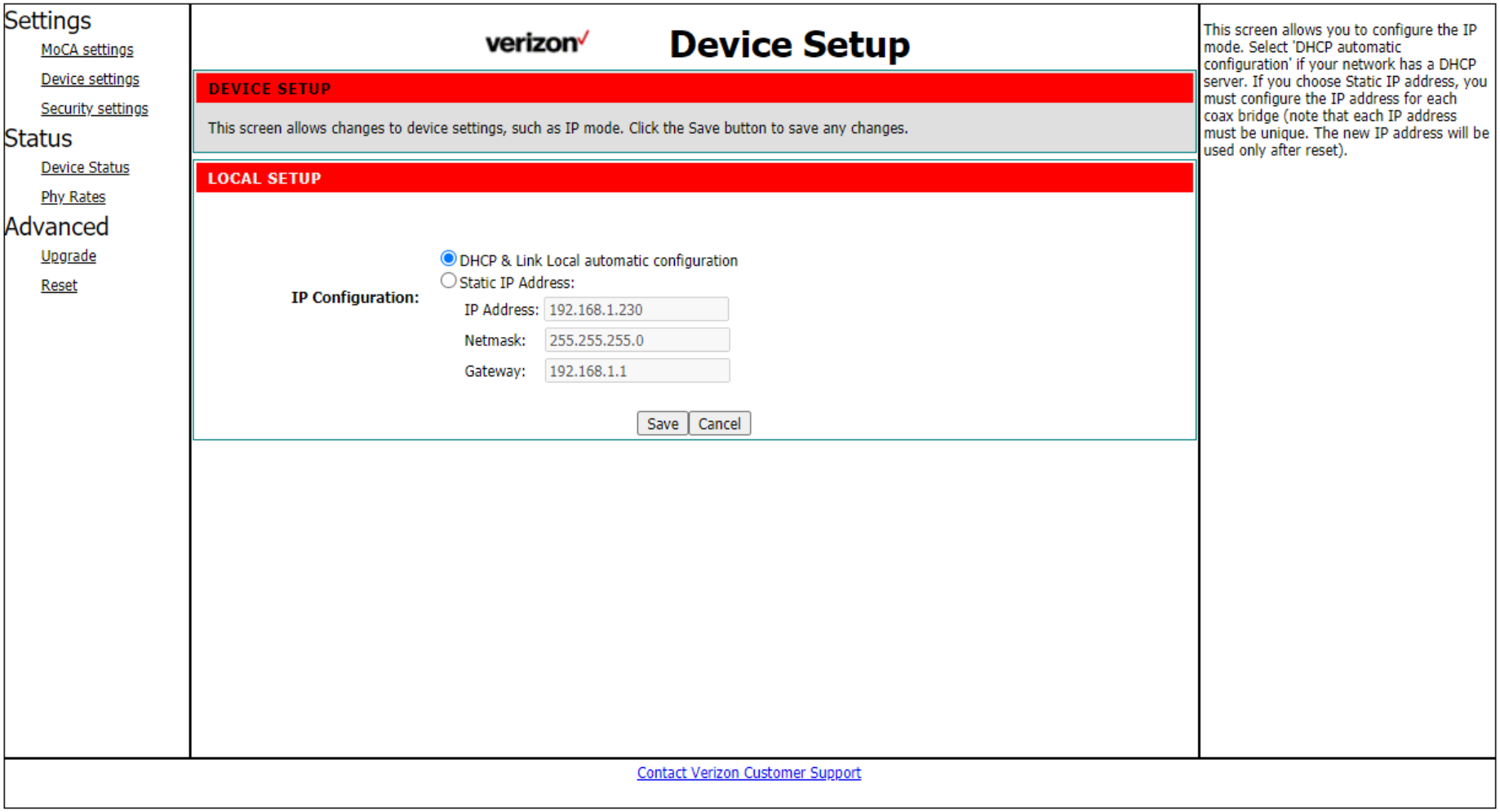


COAX Setup

Adater Name	The adapter name only serves as help to installers who wish to note location of the device.
Network Search Enabled	The device will auto select suitable channel within the frequency range defined in band. When network search is not ticked, the device will operate on the frequency specified in last operating frequency.
LOF	Last operating frequency sets the frequency in MHz were device will initially attempt.
Tx Power	If other devices are sensitive to transmit power it is possible to lower the output power by selecting a lower value.
Beacon Power Level	If other devices are sensitive to transmit power it is possible to lower the output power by selecting a lower value.
Preferred NC	The nodes with ”Preferred” ticked have a preference over the other nods in the coaxial network to become the NC (Network Coordinator) node. If there are multiple nods with ticked ”Preferred NC”, a most suitable NC will be chosen based on certain characteristics.

5.1.2 Device settings

This screen allows you to configure the IP mode. Select 'DHCP automatic configuration' if your network has a DHCP server. If you choose Static IP address, you must configure the IP address for each coax bridge (note that each IP address must be unique. The new IP address will be used only after reset).

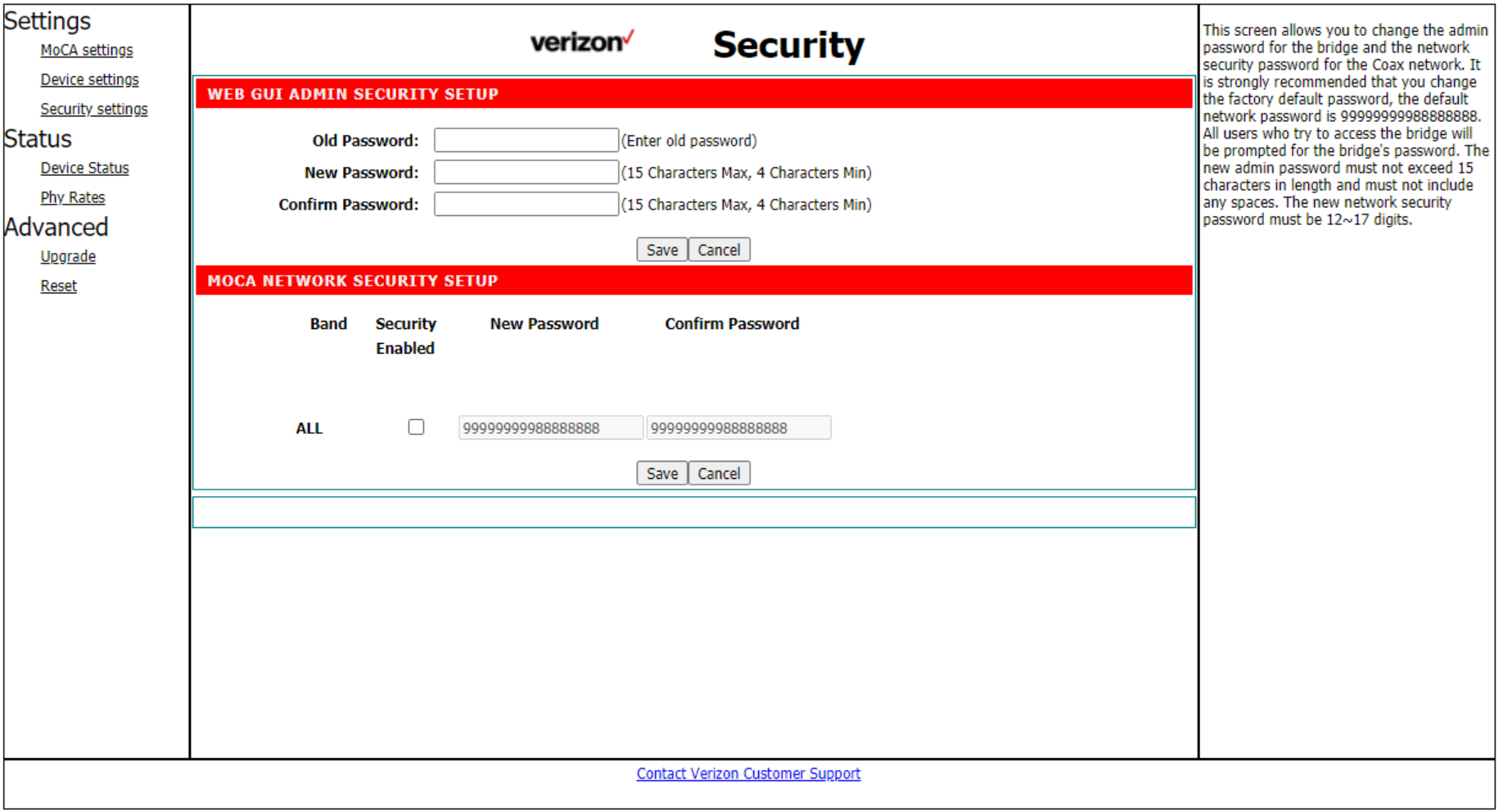


LOCAL Setup

DHCP & Link Local automatic configuration	Select 'DHCP automatic configuration' if your network has a DHCP server.
Static IP Address	Select ' Static IP Address y ou must configure the IP address for each coax bridge.
IP Address	Enter the IP address.
Netmask	Enter the Netmask.
Gateway	Enter the Gateway.

5.1.3 Security settings

This screen allows you to change the admin password for the bridge and the network security password for the Coax network. It is strongly recommended that you change the factory default password, the default network password is 99999999988888888. All users who try to access the bridge will be prompted for the bridge's password. The new admin password must not exceed 15 characters in length and must not include any spaces. The new network security password must be 12~17 digits.



Web GUI admin security Setup

Old Password	Enter the old password for authentication.
New Password	Enter your new password in the New Password field.
Confirm Password	Enter your new password again to confirm.

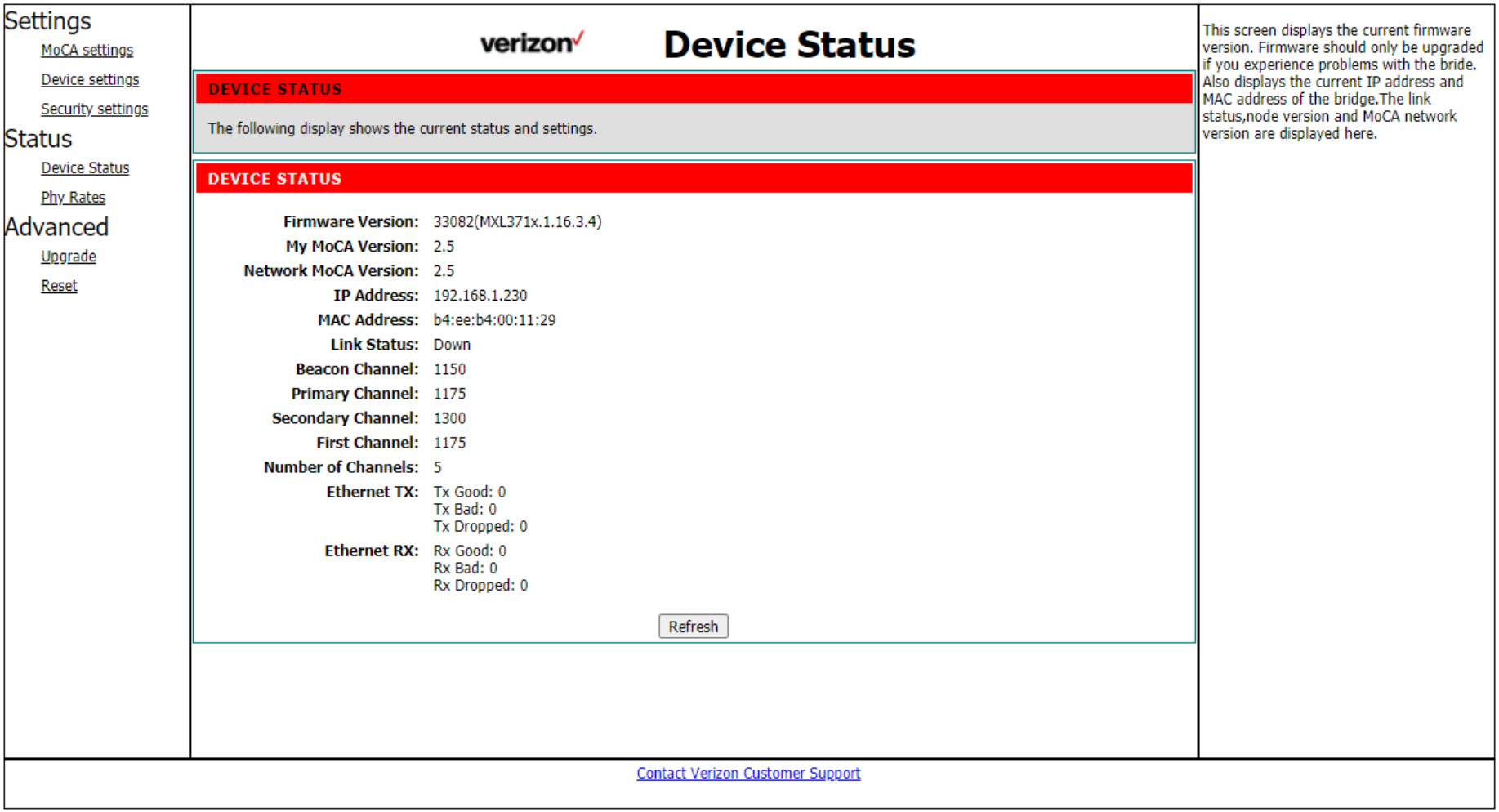
MOCA network security Setup

Security Enabled	The Network Security allows the user to enable or disable network encryption on the coaxial network.
New Password	Network security password must be between 12 to 17 digits.
Confirm Password	Confirm your password.

5.2 Status

5.2.1 Device Status

This screen displays the current firmware version. Firmware should only be upgraded if you experience problems with the bridge. Also displays the current IP address and MAC address of the bridge. The link status, node version and MoCA network version are displayed here.



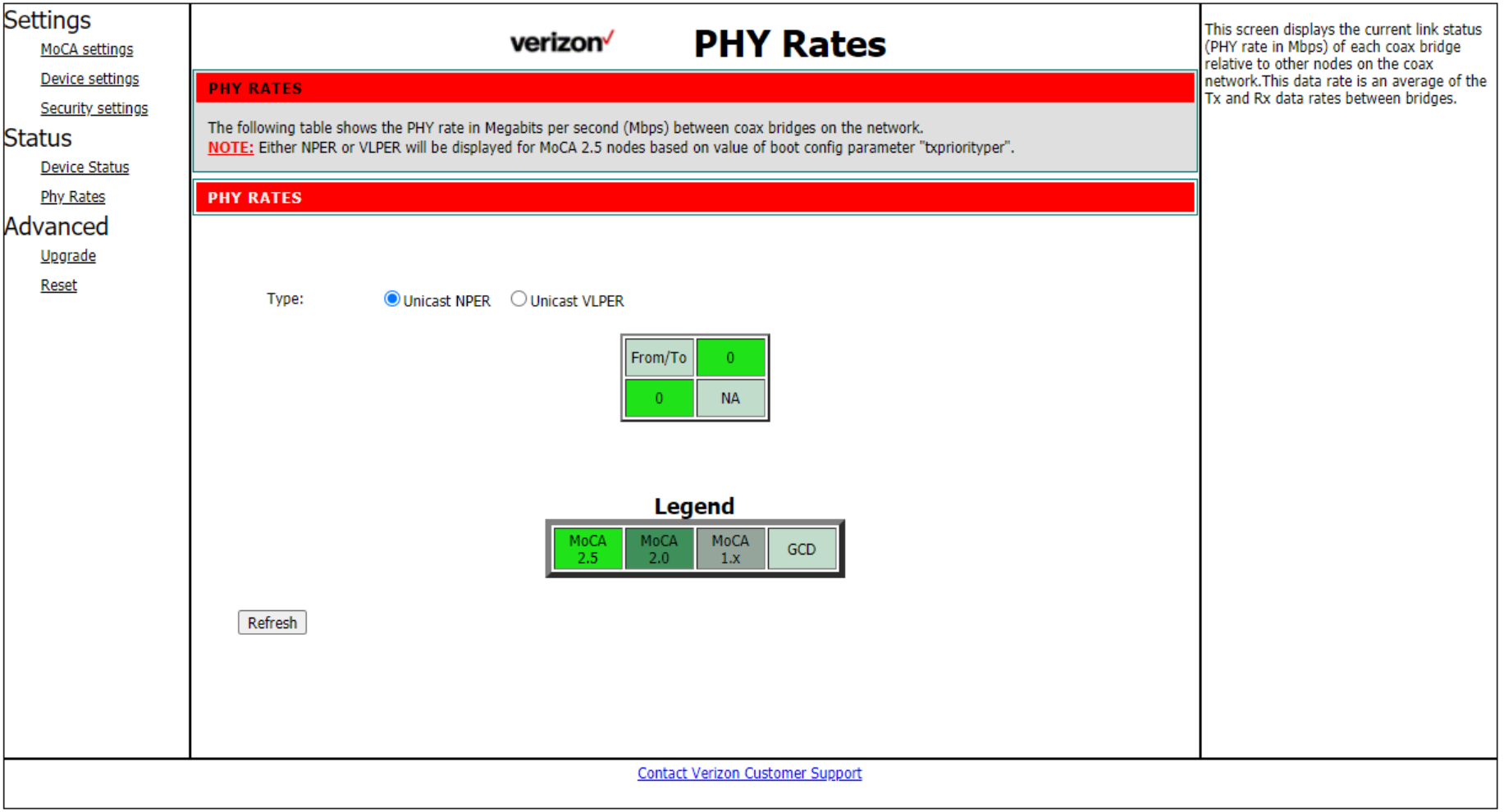
Device Status

Firmware Version	Display the current firmware version.
My MoCA Version	Display the current MoCA version.
Network MoCA Version	Display the current network MoCA version.

IP Address	Display the current IP Address.
MAC Address	Display the current MAC Address.
Link Status	Display the current Link status.
Beacon Channel	Display Beacon Channel frequency.
Primary Channel	Display primary channel frequency.
Secondary Channel	Display secondary channel frequency.
First Channel	Display first channel frequency.
Number of Channels	Display number of MoCA bonding channels.
Ethernet TX	Live count of the ethernet packets transmitted onto the MoCA network.
Ethernet RX	Live count of the ethernet packets received from the MoCA network.

5.2.2 Phy Rates

This screen displays the current link status (PHY rate in Mbps) of each coax bridge relative to other nodes on the coax network. This data rate is an average of the Tx and Rx data rates between bridges.



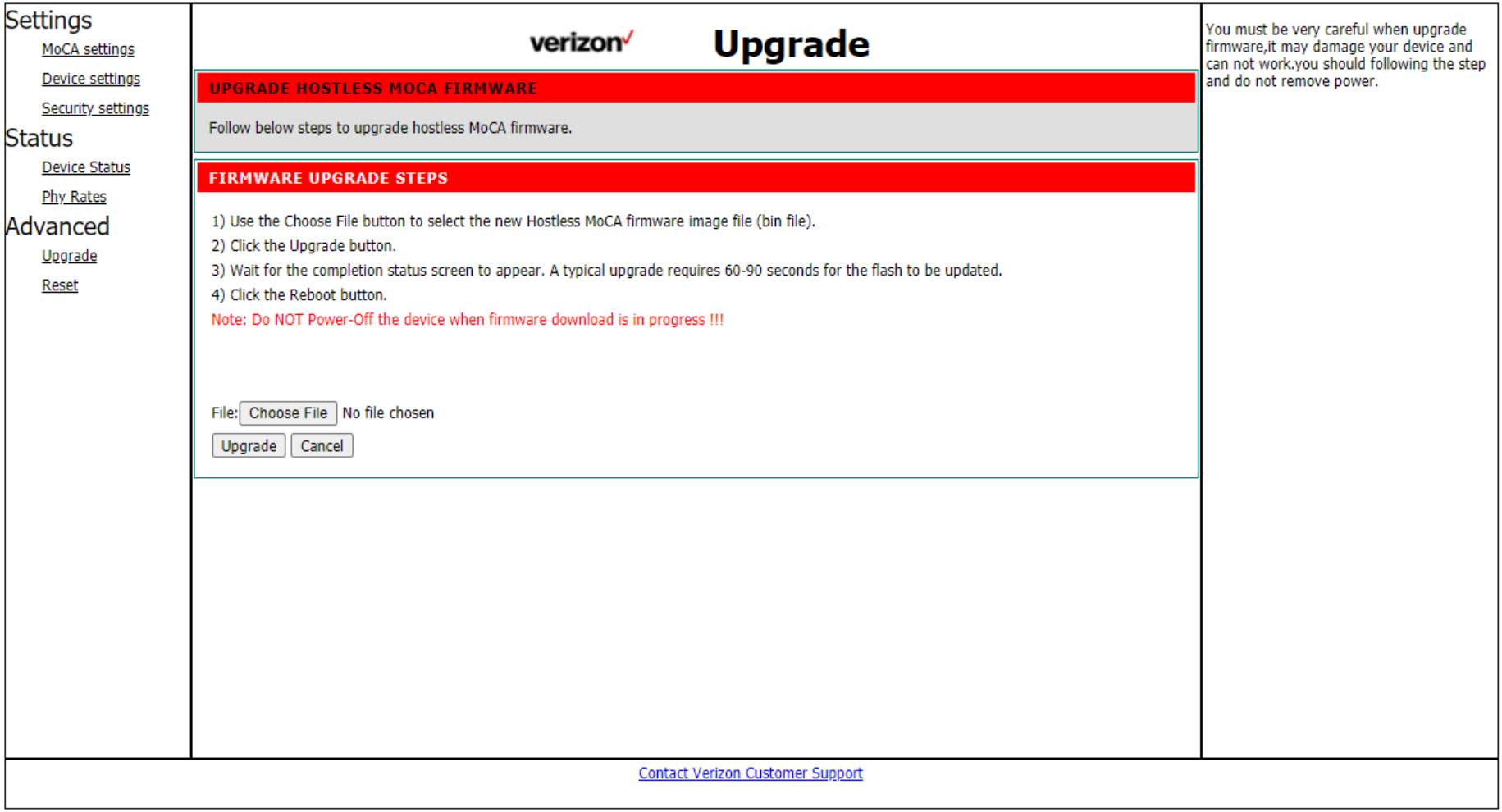
PHY Rates

Unicast NPER	Display NPER PHY rate in Mbps. Default is NPER.
Unicast VLPER	Display VLPER PHY rate in Mbps.

5.3 Advanced

5.3.1 Upgrade

You must be very careful when upgrade firmware, it may damage your device and can’ t work. You should be following the step and do not remove power.



1. Use the Choose File button to select the new Hostless MoCA firmware image file (bin file).

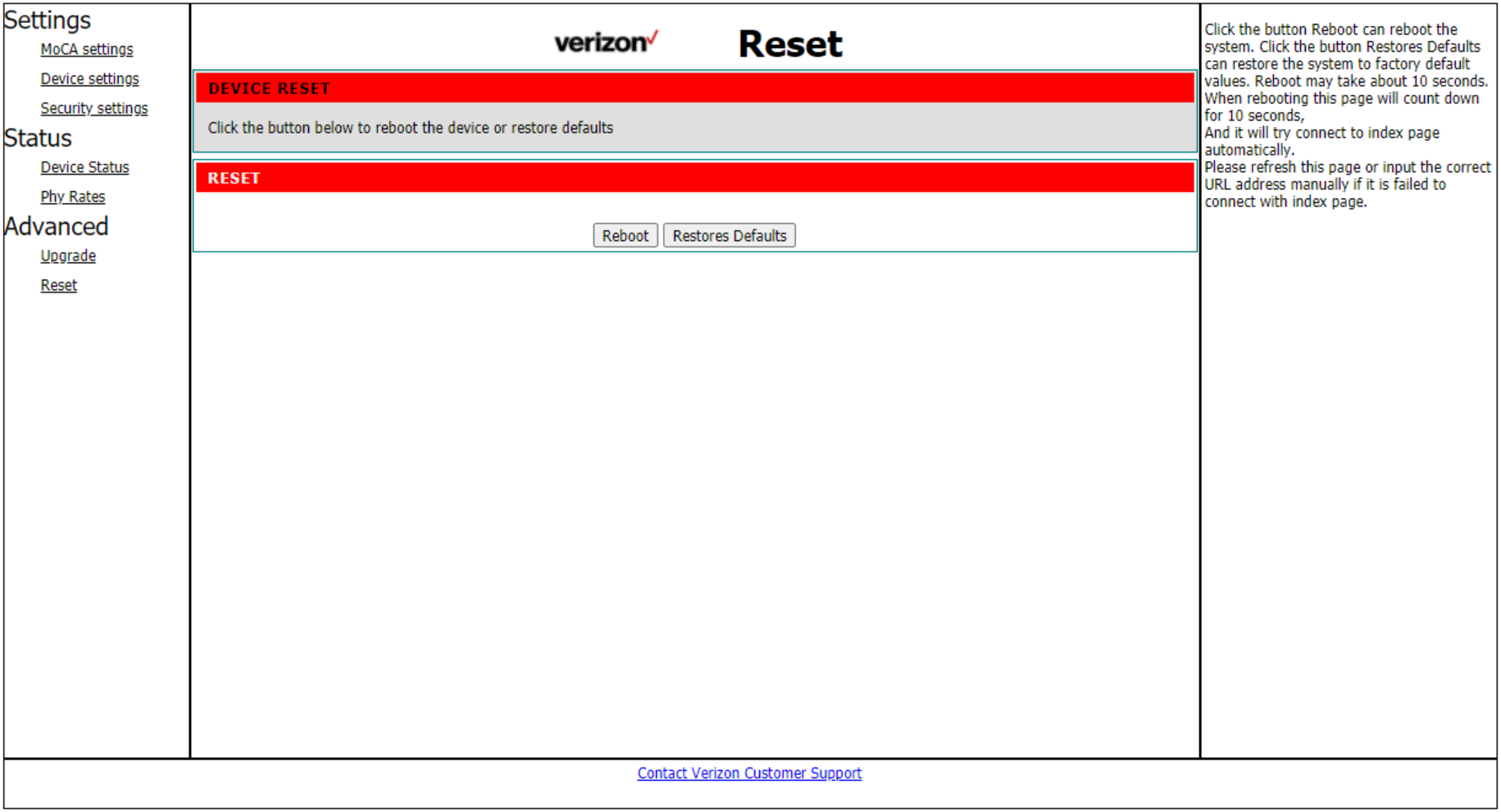
2. Click the Upgrade button.

3. Wait for the completion status screen to appear. A typical upgrade requires 60-90 seconds for the flash to be updated.

4. Click the Reboot button.

5.3.2 Reset

Click the button Reboot can reboot the system. Click the button Restores Defaults can restore the system to factory default values.
Reboot may take about 10 seconds.
When rebooting this page will count down for 10 seconds,
And it will try connect to index page automatically.
Please refresh this page or input the correct URL address manually if it is failed to connect with index page.



Reset

Reboot	Reboot the system.
Restore Defaults	Click the button Restores Defaults can restore the system to factory default values. Reboot may take about 10 seconds.

6. Troubleshooting

If you are experiencing any trouble, try here first for some quick fixes to common problems.

Can’t login to the Web UI

If you can’t access the Web UI, it might be an issue with your device or computer’s proxy or IP address settings. Make sure that proxy settings are disabled and that your device or computer can be allocated an IP address on the network by the gateway’s DHCP se rver. You’ll need to check the support for your d evice or computer’s operating system e.g. Windows, Mac OS, for detailed instructions how to do this.

Where can I get more help?

Visit https://www.verizon.com/support/residential/contact us/contactuslanding.htm to find your nearest Verizon store or for 24/7 help with live chat and device specific support.

7. Technical Specification

General	SKU1	SKU2
MoCA Standard	MoCA 2.5	MoCA 2.5
Coax In Frequency	Extended D-Band	Extended D-Band
F-Connector	F-Connector * 2 (for Data & Video)	F-Connector * 1 (for Data)
Ethernet Ports	2.5G RJ-45 * 1	2.5G RJ-45 * 1 1G RJ-45 * 3
Power Adapter	12V, 1A	12V, 1A
Certificates	FCC, UL, MoCA 2.5 Certificate	FCC, UL, MoCA 2.5 Certificate
Dimension	107 x 107 x 29.4mm	107 x 107 x 29.4mm
Operating temperature range	0 – 40 °C	0 – 40 °C
Storage temperature range	-20 – 80 °C	-20 – 80 °C

8. Regulatory Compliance Notices

FCC Class B Equipment

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 and correct the interference by implementing one or more of the following measures:

- Reorient or relocate the device;
- Increase the separation between the equipment and receiver;
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected (applicable only to powerline products);
- Consult the dealer or an experience radio or television technician for help.

Declaration of Conformity for Products Marked with the FCC logo–USA Only

This device complies with Part 15 of the FCC Rules license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause harmful interference;
2. This device must accept any interference received, including in terference that may cause undesired operation of the device.

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.

Important Safety Notices

Coaxial Cable

If applicable, the coaxial cable screen shield needs to be connected to the Earth at the building entrance per ANSI/NFPA 70, the National Electrical Code (NEC), in particular Section 820.93, “Grounding of Outer Conductive Shield of a Coaxial Cable,” or in accordance with local regulation.

Safety Warnings

The equipment shall be mounting at heights less than 2 m.

This product is intended to be supplied by a UL Listed Power Adapter or DC power source marked `L.P.S' or `Limited Power Source', rated 12Vdc, 1 A and Tma 40°C (min.). If you require further assistance, please contact your Askey Computer Corp representative.