

# RedPort

**GMN**  
Global Marine  
**NETWORKS**



## **Optimizer Crew**

### **Basic User's Guide** for Onsite Administrators

**RedPort Routers**  
**wXa-115 (Optimizer Crew)**

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## Optimizer Crew User's Guide Revision History

Date	Revision	Author
October 01, 2014	Initial Release	D. Brickhouse



## 1.0 About this Guide

This document is divided into the following chapters:

- 1.0 About this guide
- 2.0 Introduction to RedPort Optimizer Crew
- 3.0 Getting Started - Router Administration - the Home Page
- 4.0 Crew Internet Services (Captive Portal)
- 5.0 Email Access
- 6.0 Email Management
- 7.0 System Status
- 8.0 System

## 1.1 How to Use this Guide

This guide is intended for onboard/onsite administrators of the RedPort Optimizer Crew wXa-115 routers. If you require more technical information and/or details on the installation and setup, please see the *RedPort Optimizer Crew Installation Guide*.

wXa refers to the webXaccelerator by RedPort, a trademark of Global Marine Networks, LLC.

The following chapter references will help you in administering the most-used features of the Optimizer Crew.

Chapter 4.0 Crew Internet Services (Captive Portal)

Chapter 5.0 Email Access to onboard/onsite accounts

Chapter 6.0 Email Management Basics

For detailed information about the setup and use of RedPort Email, please see the *RedPort Email Administrator's Guide*.



## 2.0 Introduction to RedPort Optimizer Crew

Global Marine Networks (GMN), the leaders in advancing satellite data speeds and services, helps Fixed and Mobile Satellite Services providers and their customers by offering the industry's fastest, most reliable and easy-to-use email, web, VoIP and other hardware and software services to maritime, oil and gas, first responder and business continuity users. The company's products include XGate high-speed satellite email, WeatherNet weather and oceanographic data software, and vessel tracking systems.

Ship to shore network management solutions are sold by GMN under the RedPort Global brand name at [www.redportglobal.com](http://www.redportglobal.com) and as white-label solutions for the world's premier satellite data service providers.

Optimizer Crew is a satellite WiFi router that provides all you need for multi-person networking on most satellite broadband installations and lets you easily share and control access to your satellite broadband data service via its WiFi or Ethernet network.

### 2.1 Key Features

Designed specifically for use with satellite broadband terminals:

- Compatible with any IP-based satellite broadband terminal.
- Replaces a standard router that is typically added to any satellite broadband installation.
- Powerful firewall accommodates virtually any common installation scenario, with features including block or allow any range of port, IP address and protocols.
- Proxy Server enables HTTP filtering: whitelist/blacklist of URL's, domains, and rudimentary content filtering.
- Logging/Reporting to keep track of usage.
- Wi-Fi hotspot makes setup and use easy for crew with compatible computers and tablets.
- Supports Captive Portal Service for Crew Welfare Internet Access
- Supports RedPort Email Service
- Supports Shared Web Compression
- GSM Compatibility with optional GSM modem and your own SIM card.
- GPS NMEA Repeater reads the built-in GPS in any satellite broadband terminal and rebroadcasts via WiFi.



## 2.2 Services Included

The following services are included without any additional fees:

- Captive Portal for Crew Welfare Internet Access – generate PIN codes that can be given away or sold to crew and/or passengers to control web access. See Chapter 4 for details.
- GPS NMEA Repeater – allows other devices onboard/on-site to read your GPS location. For example, a navigation program running on an iPad could be used on your boat, or you could get weather information tailored to your location. See the *RedPort Optimizer Crew Installation Guide* for more information.

## 2.3 Premium Services Available

The following additional services are available.

RedPort Email – is a multi-user version of XGate Satellite Email. Crew and/or passengers can access their RedPort Email account via smartphones, tablets or computers. See the *RedPort Email Administrator's Guide* for more information about this service. Contact your RedPort dealer for pricing options.

Shared Web Compression – routes all web traffic through a proxy service that works with an onshore server to deliver 3-5 times average web compression, along with virus detection and ad blocking. See the *RedPort Optimizer Crew Installation Guide* for more information. Contact your RedPort dealer for pricing.



### 3.0 Getting Started – Router Administration - the Home Page

In a typical situation, the Optimizer Crew router has already been installed and configured. As the onboard/onsite administrator you will have frequent interaction with the Home Page of the router under normal operating conditions. From this page you can generate pincodes for crew (if Captive Portal is enabled), access email and manage email accounts (if email service is enabled), and monitor the usage of the satellite link.

**The default settings on the router when it leaves our facility includes the Captive Portal Enabled and the Email Service Disabled.**

To access the router's Home page you must login to the router. This can be accomplished in several ways however the most popular method is to:

1. Connect to the WiFi Hotspot created by the router using a PC. Connect to the WiFi Hotspot just like you would any other WiFi connection:

On a Windows PC, go to: Windows Start > Control Panel > Network Connections

On a MAC, go to: Apple > System Preferences > Network

You will notice that there are two WiFi network names in the list.

There are two transmitters in the Optimizer Crew with frequencies at 2.54 Ghz and one at 5.2 Ghz.

The Network Name will look something like: 'wxa-115-XXXX-frequency' where 'XXXX' is the last four digits of the Optimizer Crew's Mac address and 'frequency' is the transmission frequency of the transmitter. Select one of these wireless networks.

For alternative Home Page access methods, see the *RedPort Optimizer Crew Installation Guide*.

2. Open any web browser on the computer and enter one of the following URL's:

If the Captive Portal is enabled (default): <http://10.1.5.1>

If the Captive Portal is disabled: <http://192.168.10.1>

3. Login with the username and password given to you by the System Administrator. The default login is username = admin, password = webxaccess

Once logged in, you will see the router's Home page.

OptimizerCrew | wXa-115 v1.46 | Load: 0.00 0.01 0.05

Home Status Statistics Logout

Tasks

### Welcome

#### Crew Internet Services

Captive Portal URLs:

- Login - <http://10.1.5.1:4990/www/login.chi>
- Status - <http://10.1.5.1:4990/www/status.chi>
- Logout - <http://logout>

Generate pincodes

Create users

Generate pincode usage reports (CDRs)

#### Email Access

Email access settings and parameters:

- WEB - <http://192.168.0.84/webmail>
- POP - 192.168.0.84:110
- SMTP - 192.168.0.84:25 with **no** connection or authentication security

Go to webmail

#### Email Management

Create and manage crew email accounts

Retrieve, delete, or drop large emails (BigMail) quarantined on the server

Perform common email tasks

#### System Status

System status overview

Realtime bandwidth usage over satellite link

Historic bandwidth usage over satellite link

System Message Log

#### System

Router Password

Reboot Router

This Home Page is your gateway to the most used features:

**Crew Internet Services** - When the Captive Portal is enabled, use this section to manage users and monitor crew web usage over the satellite link. See Chapter 4 for details.



**Email Access** - When RedPort Email Service is enabled, use this section to access the webmail login page. See Chapter 5 for information. See the *RedPort Optimizer Crew Email Administrator's Guide* for more details.

**Email Management** - When RedPort Email Service is enabled, use this section to manage the email service. See Chapter 6 for information. See the *RedPort Optimizer Crew Email Administrator's Guide* for more details.

**System Status** - Use this section to monitor system usage. See Chapter 7 for details.

**System** - Use this section to change the router password or reboot the router. See Chapter 8 for details.

## 4.0 Crew Internet Services (Captive Portal)

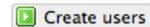
The Optimizer Crew is shipped with Captive Portal enabled. This allows controlled access to the Internet by requiring users to enter pincodes before being granted permission. In addition, the speed of access can be restricted and/or the duration or timing of the session. User sessions are logged in Call Data Records (CDR) for tracking the amount of time on the service and the amount of data transferred.

### Crew Internet Services

Captive Portal URLs:

- Login - <http://10.1.5.1:4990/www/login.chi>
- Status - <http://10.1.5.1:4990/www/status.chi>
- Logout - <http://logout>







## 4.1 Generate Pincodes

Use pincodes to limit Internet access of transient crew/passengers/visitors.

### Pincodes

Generate captive portal pincodes.

Number of Pincodes	<input type="text" value="10"/>
Prefix	<input type="text" value="1234"/> <small>number to be prepended to pincodes.</small>
Quota	<input type="text" value="None"/> <small>Pincodes will allow users on the internet until their quota is exhausted.</small>
Reset	<input type="text" value="Never"/>
Speed	<input type="text" value="Full"/>
Start Time	<input type="text" value="Unrestricted"/> <small>Limit a data session from start through end time. Times are in the router's local timezone.</small>
Stop Time	<input type="text" value="Unrestricted"/> <small>Limit a data session from start through end time. Times are in the router's local timezone.</small>
Pincodes	<input type="button" value="Create"/> <small>Create Pincodes.</small>
Enter Filename	<input type="text" value="pincodes-2014-10-03.csv"/>
Download	<input type="button" value="Download"/> <small>Download a CSV file containing pincodes.</small>

# RedPort

**Number of Pincodes:** Enter the quantity of pincodes that will have the same configuration/restrictions, up to the maximum of 100 pincodes can be created in a batch.

**Prefix:** This can be useful for tracking pincode inventory. Enter up to a five-digit number that will be added to the pincode.

**Quota:** You can restrict a pincode to a specific amount of data transferred. The default is no restriction. To set a maximum, use the drop-down menu. When you set a maximum, the user has Internet access until the maximum is reached. When the maximum is reached the pincode will stop working.

**Reset:** The pincode can be configured to reset periodically (daily, weekly, monthly) using the drop down menu. When a reset period is selected, the pincode configuration will renew automatically at the start of the new reset period. For example, if a pincode has a quota of 10Mb of data and the reset period is set to daily, that user will be allowed to transfer a maximum of 10Mb of data each day. Once the maximum data transfer of 10Mb is achieved the pincode will temporarily stop working until the start of the next period. If the Reset period is set to Never, once the maximum quota is achieved the pincode expires and it cannot be renewed.

**Speed:** Set the maximum bandwidth allowed for this pincode. Note: maximum speed is dependent upon the speed of the satellite device/service.

**Start Time:** Use Start Time in conjunction with Stop Time to limit the time of day a pincode can be used. Select a Start Time from the drop down menu. Note: a Stop Time must also be selected.

**Stop Time:** Use Stop Time in conjunction with Start Time to limit the time of day a pincode can be used. Select a Stop Time from the drop down menu. Note: a Start Time must also be selected.

**Pincodes:** When all the parameters of the pincode are selected in the fields above, select <Create> to generate the pincodes. The list of pincodes will display in the text window.

# RedPort

```
Number of pincodes: 10
Vendor product code: 11111
Quota: 10485760 bytes
Access Times: 0600-1800 Hours
Reset interval: Daily
Speed: 128kbps
```

```
11111-5652138-9318
11111-1144395-0304
11111-0336319-1510
11111-4228435-5233
11111-5786357-1861
11111-8016908-1863
11111-4937364-5645
11111-6120543-2826
11111-6666299-4040
11111-7071992-2375
```

**Enter Filename:** Use in conjunction with Download to create a .csv file as the new pincodes are generated. Enter a name for the .csv file.

**Download:** Use in conjunction with Enter Filename to create a .csv file as the new pincodes are generated. Select <Download> and Save the file to the computer. Open the .csv file to see the pincodes.

## 4.2 Create Users

Use this section to restrict access in lieu of using pincodes. Typically reserved for the onsite administrator and select crew who need continuing access over a long period of time.

Users							
Use this section to create pincodes based on login information (username and password). Generally, this kind of controlled internet access is for the Captain and select crew members who need period of time.							
Username	Password	Quota	Reset	Speed	Idle Timeout(s)	Session Timeout(s)	Description
<i>This section contains no values yet</i>							
							

Select <Add> and enter the required information:

## Users

Use this section to create pincodes based on login information (username and password). Generally, this kind of controlled internet access is for the Captain and select crew members who need continuing internet access over a long period of time.

Username	Password	Quota	Reset	Speed	Idle Timeout(s)	Session Timeout(s)	Description
username	password	None	Never	Full	System Default	System Default	

**Username:** A unique character string that this user will enter at login.

**Password:** A character string that the user will enter at login. The Password must be different from the username.

**Quota:** You can restrict the username to a specific amount of data transferred. The default is no restriction. To set a maximum, use the drop-down menu. When you set a maximum, the user has Internet access until the maximum is reached. When the maximum is reached the user will be disconnected from the Internet.

**Reset:** The Quota assigned to a Username can be configured to reset periodically (daily, weekly, monthly) using the drop down menu. When a reset period is selected, the Quota will renew automatically at the start of the new reset period.

**Speed:** Set the maximum bandwidth allowed for this user. Note: maximum speed is dependent upon the speed of the satellite device/service.

**Idle Timeout(s):** Expressed in seconds, enter the idle timeout period to change it from the default. At the end of the idle period, the user will be logged out if no traffic has been detected during the period. The default period is configured at installation and can be found in Services > Crew Internet Access > Settings > Advanced Settings. Contact your service provider for details.

**Session Timeout(s):** Expressed in seconds, enter the session timeout period to change it from the default. At the end of the timeout period the user will be logged out of the session. The default period is configured at installation and can be found in Services > Crew Internet Access > Settings > Advanced Settings. Contact your service provider for details.

**Description:** Optional - Enter a short description of the account.

Select <Save> to enter more users or <Save & Apply> when all users are entered. Wait for the message "Configuration Applied".

## 4.3 Generate Pincode Usage Reports (CDRs)

Call Data Records (CDRs) are usage logs. They can be generated for any pincode or any username.

### CDRs

Generate CDRs (Call Data Records, or the reports for internet usage) for users and pincodes.

Username or Pincode	<input type="text"/>
Submit	<input type="button" value="Submit"/>
Enter Filename	<input type="text" value="cdr--2014-10-03.csv"/>
Download CSV	<input type="button" value="Download"/>
Remove CDRs	<input type="button" value="Remove"/> <input type="button" value="Remove CDRs for this user or pincode."/>

**Username or Pincode:** Enter the username or pincode for the CDR you want to view, download or remove.

**Submit:** Select this to view the log for the username or pincode entered above.

**Enter Filename:** Use in conjunction with Download to create a .csv file of the CDR. Enter a name for the .csv file.

**Download CSV:** Use in conjunction with Enter Filename to create a .csv file of the CDR. Select <Download> and Save the file to the computer. Open the .csv file to see the CDR.

**Remove CDRs:** Select <Remove> to delete the CDRs for the username or pincode.

## 5.0 Email Access

This section provides a shortcut to the email interface.

### Email Access

---

Email access settings and parameters:

- WEB - <http://10.1.5.1/webmail>
- POP - 10.1.5.1:110
- SMTP - 10.1.5.1:25 with **no** connection or authentication security

Select <Go to webmail> to access the email login page.



The image shows a login form for RedPort Webmail. The form has a red background with white text. It includes fields for Username, Password, Language, and Theme. The Username field is followed by the text '@redportglobal.com'. The Language field is a dropdown menu set to 'English'. The Theme field is a dropdown menu set to 'Default'. There is a 'Login >>' button at the bottom. The footer text reads 'T-dah Webmail v3.2.0 PHP-5.3'.

See the *RedPort Email Administrator's Guide* for details on using the RedPort Email Service.



## 6.0 Email Management

This section contains shortcuts to the most commonly used functions of email management.

**Email Management**

---

Create and manage crew email accounts

Retrieve, delete, or drop large emails (BigMail) quarantined on the server

Perform common email tasks

### 6.1 Create and Manage Crew Email Accounts

Use this section to add, edit and delete sub accounts.

**Crew/Sub Email Accounts**

---

Primary User	Username	Password	Description
Primary account	Unique username	Account Password	You may enter a description here for your reference.
<i>This section contains no values yet</i>			

#### 6.1.1 Add Crew/Sub Accounts

Select <Add> and enter the required information:

**Crew/Sub Email Accounts**

---

Primary User	Username	Password	Description
Primary account	Unique username	Account Password	You may enter a description here for your reference.
dbtest	john	doe	This is John's subaccount for email.
dbtest	mary	smith	This is Mary's subaccount for email.

**Primary User:** Select from the drop-down list the Primary User account that controls the filtering rules for this sub account.

**Username:** Enter the Username for this account.

**Password:** Enter the Password for this account.

**Description:** Optional - enter a description for this account.

# RedPort

Select <Save> to enter more subaccounts or <Save & Apply> when all subaccounts are entered. Wait for the message "Configuration Applied".

See the *RedPort Email Administrator's Guide* for more information about Crew/Sub Email Accounts.

## 6.1.2 Edit Crew/Sub Accounts

To edit an account, enter the desired changes. Select <Save & Apply>. Wait for confirmation message "Configuration Applied".

See the *RedPort Email Administrator's Guide* for more information about Crew/Sub Email Accounts.

## 6.1.3 Delete Crew/Sub Accounts

To delete an account, identify the account to be deleted and select the <Delete> button at that end of that row. **CAUTION: This Action CANNOT be Undone!**

See the *RedPort Email Administrator's Guide* for details on using the RedPort Email Service.

## 6.2 Retrieve, delete or drop large emails (BigMail) quarantined on the server

The BigMail page allows you to manage large email that is quarantined on the main mail server before downloading it to the router. This mail has not yet been downloaded as it exceeds the Inbound Cutoff filter setting.

**BigMail**

Manage large emails quarantined on mail server.

Select All Emails	<input type="checkbox"/> Select
Un-Select All Emails	<input type="checkbox"/> Un-Select
Retrieve All Selected	<input type="checkbox"/> Retrieve
Drop All Selected	<input type="checkbox"/> Drop
Delete All Selected	<input type="checkbox"/> Delete

Size	To	From	Date	Subject	Select	Retrieve	Drop	Delete
94528	dbtest		Thu, 18 Sep 2014 13:01:01 -0400	BigMail Example	<input type="checkbox"/>	<input type="checkbox"/> Retrieve	<input type="checkbox"/> Drop	<input type="checkbox"/> Delete

# RedPort

A list of all the pending BigMail is displayed in this window. You can take action on a single BigMail or you can take action on only selected BigMail or on all BigMail.

Select email for action by clicking on the checkbox in the "Select" column.

**Select All Emails** to select every email that appears in the list.

**Un-Select All Emails** to reverse the selection of all emails in the list.

**Retrieve All Selected** prepares a message for the main mail server that these selected emails are to be downloaded on the next email connection.

**Drop All Selected** to remove the selected emails from this list. The mail will still be held on the main mail server.

**Delete All Selected** prepares a message for the main mail server that these selected emails are to be deleted from the main mail server. The BigMail will be deleted from the mail server during the next email connection. **CAUTION: This Action CANNOT be Undone!**

See the *RedPort Email Administrator's Guide* for details on using the RedPort Email Service.

## 6.3 Perform Common Email Tasks

This is a shortcut to the RedPort Email Tools page.

### 6.3.1 Control Panel

---

Control Panel	
Start	<input type="button" value="Start"/> Start email transfer now.
Stop	<input type="button" value="Stop"/> Stop email transfer now.
Break	<input type="button" value="Break"/> Hangup connection now.
Purge	<input type="button" value="Purge"/> Purge restart files and delete emails in outbox.
Restart	<input type="button" value="Restart"/> Restart mail service.
Log Rotate	<input type="button" value="Log Rotate"/> Rotate logs now.

# RedPort

**Start:** This initiates an email session immediately, bypassing the Update Interval setting found in the General Settings. Contact your service provider for details.

**Stop:** Terminates an email session in progress. It does not close the connection.

**Break:** Closes any email and/or web browsing sessions and terminates the connection.

**Purge:** Removes any partially transferred files from the queue.

**Restart:** Under normal conditions there should never be a need to use this button. If, however, for some reason, RedPort Email becomes unresponsive click this button to stop and restart service in lieu of having to reboot the router.

**Log Rotate:** Clears the current logs to start a new log rotation.

## 6.3.2 Broadcast Message

Use Broadcast Message to send a blanket email to all users on the local service or only to the crew/sub accounts tied to a specific primary account.

---

Broadcast Message

Primary Account	All
Subject	Enter a subject
Message	

---

Broadcast Message

Broadcast message to all users or to users bound to a primary account.

**Primary Account:** Use this drop down menu to select the accounts to receive the message.

**Subject:** Enter the subject line for the message to be sent.

**Message:** Enter the text of the message.

**Broadcast Message:** Click this button to send the email message.



### 6.3.3 Delete Sub Accounts

Use Delete Sub Accounts to delete all crew/sub accounts that exist on the router; or only those crew/sub accounts tied to a specific primary account.

---

Delete Sub Accounts

Primary Account	All
Delete Sub Accounts	Delete Sub Accounts Remove all Sub Accounts for a Specific Primary Account.

**Primary Account:** Use the drop down menu to select the crew/sub accounts to be deleted.

**Delete Sub Accounts:** Click to complete the Delete action.

### 6.3.4 Import Sub Accounts

Use Import Sub Accounts to avoid the data entry steps of adding each crew/sub account individually.

---

Import Sub Accounts

Primary Account	dbtest
Remove Header	<input checked="" type="checkbox"/> Remove first row of csv file before import
Filename	Browse... No file selected.
Import Sub Accounts	Import Sub Accounts Import CSV formatted file consisting of 3 columns containing 'username', 'password', 'users real name' as sub accounts to be assigned to a specific primary account

The import file must be in .csv format. It must have three columns: Username, Password, User's Real Name.

**Primary Account:** Use the drop down list to select the primary account that will host these crew/sub accounts.

**Remove Header:** If the .csv file includes a header row with column names, check this box to remove the first row (header row) before import.

**Filename:** Browse to the correct .csv file to be imported.

**Import Sub Accounts:** Click to complete the import. Wait for confirmation that the sub accounts have been imported into the primary account. To verify the import select Email Management <Create & Manage Crew Email Accounts>.

## 6.3.5 Backup Configuration

Use this to save the current configuration settings of the email service. All email in the Spool will be saved in the backup as well.

---

Backup Configuration

Enter Filename	<input type="text" value="backup-2014-09-18.tgz"/>
Download Configuration	<input type="button" value="Download Configuration"/> <small>Click this button to download backup of email configuration and mail spool folder.</small>

**Enter Filename:** Accept the default filename or enter the filename of your choice. Note: the filename **MUST** be in \*.tgz format.

**Download Configuration:** Click to save the current settings and the spool folder. Save this backup file locally.

## 6.3.6 Restore Configuration

Use this to restore the configuration and the mail spool folder from a previous backup.

---

Restore Configuration

Filename	<input type="button" value="Browse..."/> No file selected.
Restore Configuration	<input type="button" value="Restore Configuration"/> <small>Restore email configuration and mail spool folder from a previous backup.</small>

**Filename:** Browse to where the backup file is stored.

**Restore Configuration:** Click to load the backup file. This action may take several minutes. Wait for confirmation that the configuration has been restored.

See the *RedPort Email Administrator's Guide* for details on using the RedPort Email Service.



## 7.0 System Status

This section contains shortcuts to system information you may find helpful for monitoring usage of the satellite link.

### System Status

---

	<a href="#">▶ System status overview</a>
	<a href="#">▶ Realtime bandwidth usage over satellite link</a>
	<a href="#">▶ Historic bandwidth usage over satellite link</a>
	<a href="#">▶ System Message Log</a>



## 7.1 System Status Overview

This button is a shortcut to the Status > Overview page.

**Status**

---

**System**

Hostname	OptimizerCrew
Model	RedPort Optimizer wxa-115
Firmware Version	wXa-115 v1.40 / RedPort (Copyright © Global Marine Networks, LLC 2013 - All Rights Reserved)
Kernel Version	3.8.13
Local Time	Thu Sep 18 19:38:06 2014
Uptime	0h 22m 37s
Load Average	0.02, 0.04, 0.08

---

**Memory**

Total Available	<div style="width: 80%;"><div style="width: 80%;"></div></div> 101608 kB / 126732 kB (80%)
Free	<div style="width: 58%;"><div style="width: 58%;"></div></div> 74700 kB / 126732 kB (58%)
Cached	<div style="width: 15%;"><div style="width: 15%;"></div></div> 19180 kB / 126732 kB (15%)
Buffered	<div style="width: 6%;"><div style="width: 6%;"></div></div> 7728 kB / 126732 kB (6%)

---

**Swap**

Total Available	<div style="width: 100%;"><div style="width: 100%;"></div></div> 497976 kB / 497976 kB (100%)
Free	<div style="width: 100%;"><div style="width: 100%;"></div></div> 497976 kB / 497976 kB (100%)
Cached	<div style="width: 0%;"><div style="width: 0%;"></div></div> 0 kB / 497976 kB (0%)

---

**Network**

IPv4 WAN Status	Not connected
Active Connections	<div style="width: 0%;"><div style="width: 0%;"></div></div> 2 / 16384 (0%)

---

**DHCP Leases**

Hostname	IPv4-Address	MAC-Address	Leasetime remaining
<i>There are no active leases.</i>			

---

**Wireless**

Generic 802.11bgn Wireless Controller (radio0)	<div style="width: 100%;"><div style="width: 100%;"></div></div> <b>SSID:</b> <a href="#">wXa-115-cf88-2.4Ghz</a> <b>Mode:</b> Master <b>Channel:</b> 11 (2.462 GHz) <b>Bitrate:</b> 130 Mbit/s <b>BSSID:</b> F8:1A:67:CA:CF:88 <b>Encryption:</b> None
Generic 802.11an Wireless Controller (radio1)	<div style="width: 0%;"><div style="width: 0%;"></div></div> <b>SSID:</b> <a href="#">wXa-115-cf88-5.2Ghz</a> <b>Mode:</b> Master <b>Channel:</b> 36 (5.180 GHz) <b>Bitrate:</b> ? Mbit/s <b>BSSID:</b> F8:1A:67:CA:CF:89 <b>Encryption:</b> None

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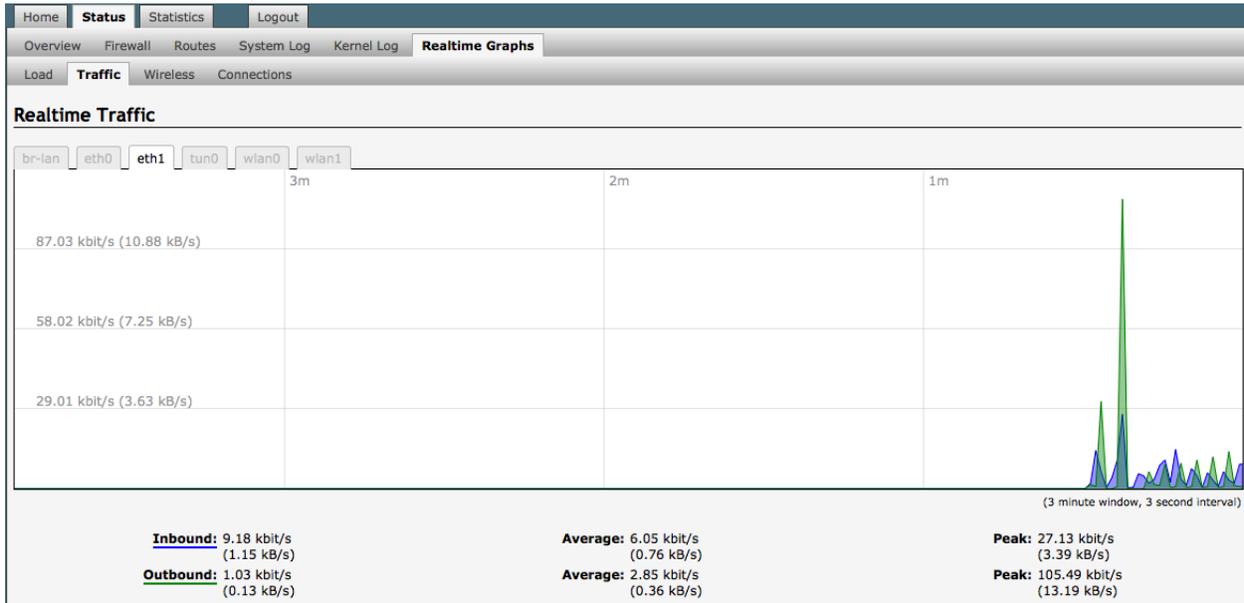
**Associated Stations**

MAC-Address	Network	Signal	Noise	RX Rate	TX Rate
88:63:DF:A0:37:2D	<a href="#">Master "wXa-115-cf88-2.4Ghz"</a>	-5 dBm	-95 dBm	1.0 Mbit/s, MCS 0, 20MHz	130.0 Mbit/s, MCS 15, 20MHz

This page includes technical information that may be required by support staff when troubleshooting an issue. This page is Read ONLY. You cannot make changes to this page.

## 7.2 Realtime Bandwidth Usage Over Satellite Link

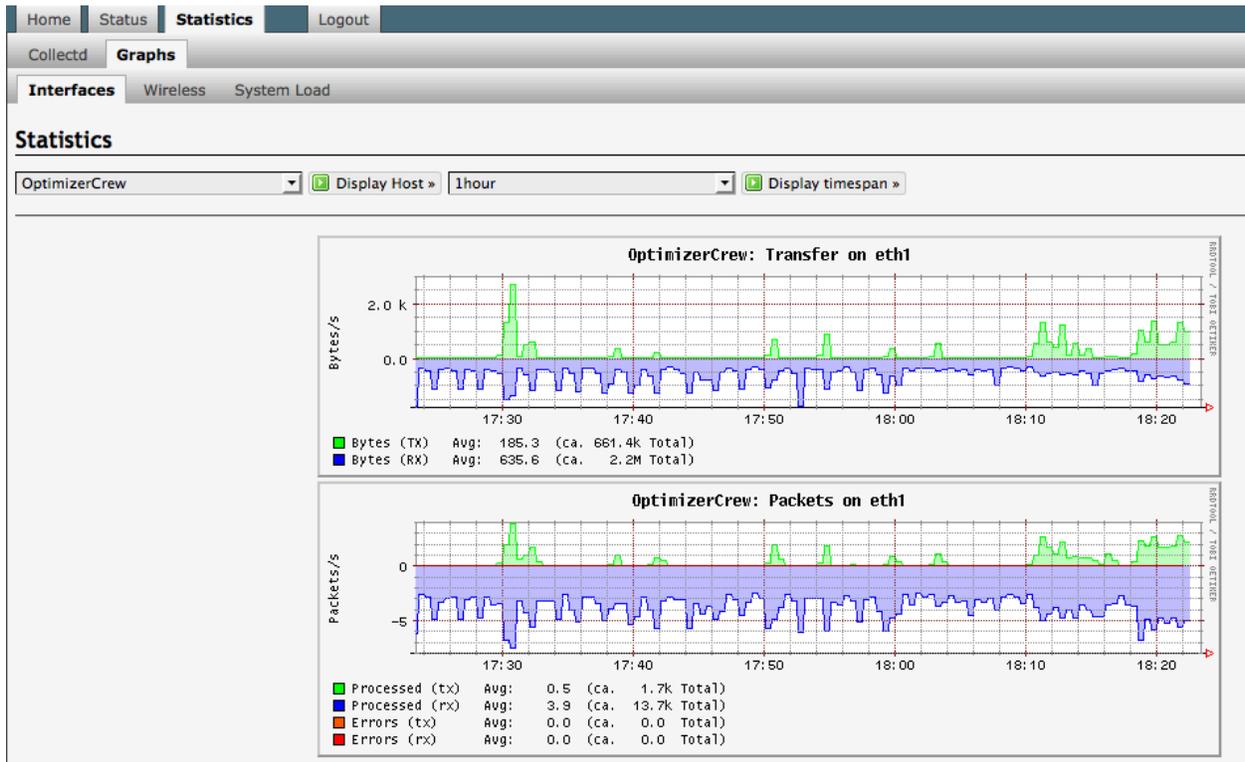
This button is a shortcut to the Status > Realtime Graphs > Traffic page.



This page allows you to monitor current Inbound and Outbound usage of the satellite link.

## 7.3 Historic Bandwidth Usage Over Satellite Link

This button is a shortcut to the Statistics > Graphs > Interfaces page.

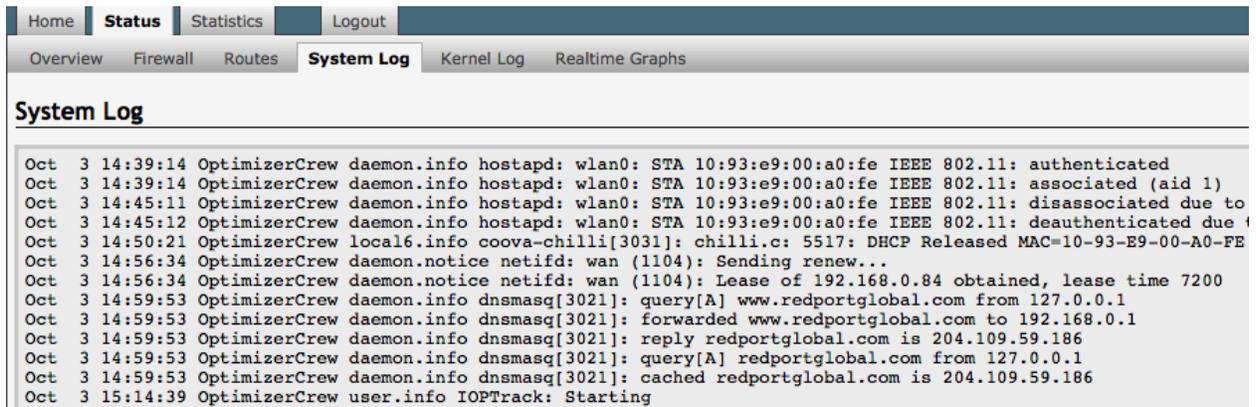


Similar to the Realtime Graphs above, this page shows usage over a specific timespan.

To modify the timespan use the down arrow next to <Display timespan>.

## 7.4 System Message Log

This button is a shortcut to the Status > System Log page.



The screenshot shows the RedPort web interface. At the top, there is a navigation bar with 'Home', 'Status', 'Statistics', and 'Logout'. Below this is a secondary navigation bar with 'Overview', 'Firewall', 'Routes', 'System Log', 'Kernel Log', and 'Realtime Graphs'. The 'System Log' tab is selected. The main content area is titled 'System Log' and displays a list of system messages. The messages are formatted as follows:

```
Oct 3 14:39:14 OptimizerCrew daemon.info hostapd: wlan0: STA 10:93:e9:00:a0:fe IEEE 802.11: authenticated
Oct 3 14:39:14 OptimizerCrew daemon.info hostapd: wlan0: STA 10:93:e9:00:a0:fe IEEE 802.11: associated (aid 1)
Oct 3 14:45:11 OptimizerCrew daemon.info hostapd: wlan0: STA 10:93:e9:00:a0:fe IEEE 802.11: disassociated due to
Oct 3 14:45:12 OptimizerCrew daemon.info hostapd: wlan0: STA 10:93:e9:00:a0:fe IEEE 802.11: deauthenticated due t
Oct 3 14:50:21 OptimizerCrew local6.info coova-chilli[3031]: chilli.c: 5517: DHCP Released MAC=10-93-E9-00-A0-FE
Oct 3 14:56:34 OptimizerCrew daemon.notice netifd: wan (1104): Sending renew...
Oct 3 14:56:34 OptimizerCrew daemon.notice netifd: wan (1104): Lease of 192.168.0.84 obtained, lease time 7200
Oct 3 14:59:53 OptimizerCrew daemon.info dnsmasq[3021]: query[A] www.redportglobal.com from 127.0.0.1
Oct 3 14:59:53 OptimizerCrew daemon.info dnsmasq[3021]: forwarded www.redportglobal.com to 192.168.0.1
Oct 3 14:59:53 OptimizerCrew daemon.info dnsmasq[3021]: reply redportglobal.com is 204.109.59.186
Oct 3 14:59:53 OptimizerCrew daemon.info dnsmasq[3021]: query[A] redportglobal.com from 127.0.0.1
Oct 3 14:59:53 OptimizerCrew daemon.info dnsmasq[3021]: cached redportglobal.com is 204.109.59.186
Oct 3 15:14:39 OptimizerCrew user.info IOPTrack: Starting
```

This logs contains detailed information of the router's performance.

## 8.0 System

This section contains shortcuts to some important router controls.



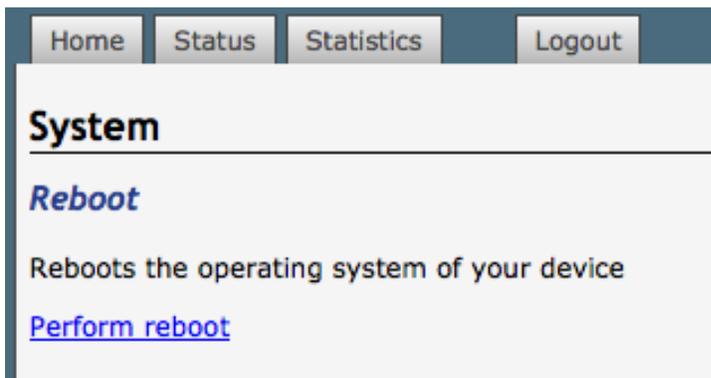
### 8.1 Router Password



Use this to change the router password. Enter the new password in the Password text box and again in the Confirmation text box. Click <Save & Apply>. Wait for confirmation of the change.

### 8.2 Reboot Router

This provides a way to reboot the router without disconnecting power.





If you have questions that are not answered here, please email your service provider for assistance or you can contact us at: [support@gmn-usa.com](mailto:support@gmn-usa.com) and we will direct your inquiry to your service provider.

This concludes the RedPort Optimizer Crew Basic User Guide. If you have a question that is not addressed in this Guide or if you have recommendations to improve the usefulness of this Guide, please contact us at: [support@gmn-usa.com](mailto:support@gmn-usa.com)