

# Ositech FoIP Gateway User Manual

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## Revision History

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## 1 INTRODUCTION

### 1.1 Purpose

This document is a detailed user manual for the Ositech FoIP Gateway.

## 2 DEFINITIONS

<i>CD</i>	–	<i>Carrier Detect</i>
<i>CGI</i>	–	<i>Common Gateway Interface</i>
<i>CPU</i>	–	<i>Central Processor Unit</i>
<i>DHCP</i>	–	<i>Dynamic Host Configuration Protocol</i>
<i>DVD</i>	–	<i>Digital Video Disc</i>
<i>FoIP</i>	–	<i>Fax Over Internet Protocol</i>
<i>FTP</i>	–	<i>File Transfer Protocol</i>
<i>HTTP</i>	–	<i>Hyper Text Transfer Protocol</i>
<i>HTTPS</i>	–	<i>Hyper Text Transfer Protocol Secure</i>
<i>IP</i>	–	<i>Internet Protocol</i>
<i>LAN</i>	–	<i>Local Area Network</i>
<i>LED</i>	–	<i>Light Emitting Diode</i>
<i>NTP</i>	–	<i>Network Time Protocol</i>
<i>NVRAM</i>	–	<i>Non Volatile Random Access Memory</i>
<i>PPP</i>	–	<i>Point to Point Protocol</i>
<i>PSTN</i>	–	<i>Public Switched Telephone Network</i>
<i>RAM</i>	–	<i>Random Access Memory</i>
<i>RPM</i>	–	<i>Redhat Package Manager</i>
<i>TCP/IP</i>	–	<i>Transmission Control Protocol / Internet Protocol</i>
<i>TFTP</i>	–	<i>Trivial File Transfer Protocol</i>
<i>USB</i>	–	<i>Universal Serial Bus</i>
<i>USR</i>	–	<i>US Robotics™</i>
<i>WAN</i>	–	<i>Wide Area Network</i>

### 3 BASE OPERATING SYSTEM INSTALLATION

The Ositech FoIP Gateway system uses the Fedora 8 core as its base operating system. The installation of the operating system onto your hardware package is quite automated, and user intervention during this process is kept at an absolute minimum. The target hard drive on your FoIP Gateway system will automatically be formatted and the Linux file system will be installed.

1. Carefully, unpackage the contents of the box containing the FoIP Gateway hardware. Examine the contents of all cartons, and if there are any damaged parts, you are advised to return them to the vendor for exchange.
2. Assemble the bare computer system, ensuring all components are accounted for. This includes the CPU, monitor, keyboard, mouse, power cord and US Robotics USB modems.
3. Connect the CPU to your network drop.
4. Connect your modem(s) to your PSTN lines(s) accordingly.
5. Power on the computer system.
6. Insert the Operating System installation dvd into the dvd drive.
7. Once the dvd has been inserted, reboot the computer system.
8. Enable the computer system to boot via the dvd drive.
9. Proceed with the operating system installation. This is an automated installation, and does not require any user intervention during the installation phase, aside from selecting your local time zone. When you are prompted to select your time zone, using the tab button, tab over to the list of cities, scroll through the list and select the closest city to your location. Then tab once again to select OK and press enter to accept your chosen time zone. The installation will continue without any further user intervention at this point.
10. Once the operating system has installed itself, you will be prompted to reboot the system. Eject the installation dvd, and click to Reboot the system. **REMEMBER TO EJECT THE DVDROM !!!**
11. Once the system has rebooted, proceed to install the latest RPM installation package that is available, if any.
12. After the latest RPM installation package has been installed, reboot the system, such that the FoIP Gateway software becomes operational.
13. When you receive the Fedora operating system login request, the Username is **root**, and the Password is **gateway**. These root administrator credentials should never be changed.
14. The FoIP Gateway system should display the Firefox web browser, with the browser set to login to the FoIP Gateway system.
15. Please proceed to the next section to configure your FoIP Gateway system for your specific operational environment.

## 4 GATEWAY CONFIGURATION UTILITY

### 4.1 Introduction

After a clean installation of the FoIP Gateway software, the IP parameters, and various other configuration parameters need to be configured for your specific operational environment. Of course, these settings may be adjusted according to your needs.

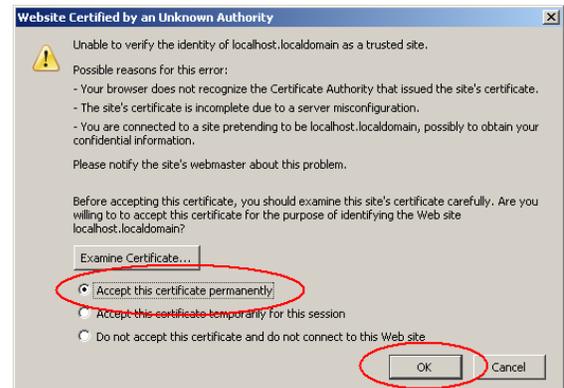
The configuration of the FoIP Gateway is web based, and any browser may be used. However, for illustrative purposes, we will use Foxfire, since this is the browser that is provided during operating system installation.

The configuration utility may be accessed locally or via any Internet connected system with a browser.

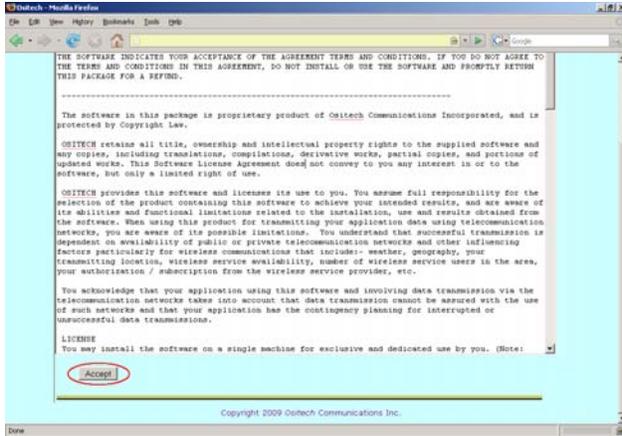
### 4.2 Login Authentication

To access the configuration utility locally, open the Foxfire browser, if it did not automatically launch when the system booted up. In the browser, open the address “<https://127.0.0.1>”. Alternatively, if you wish to access the configuration utility via the Internet, open the address “<https://xxx.xxx.xxx.xxx>”, where xxx.xxx.xxx.xxx is the IP address of your already configured FoIP Gateway. Remember to use HTTPS as part of the URL, as these are secure web pages.

When you first attempt to open the configuration utility, you will observe a security certificate warning. You are advised to select “Accept the certificate permanently”, and then click the OK button proceed.



As one last verification, please click OK to accept the web site certificate to continue.



Since this is the first time that you are logging into the FoIP Configuration Utility, you will need to accept the license agreement to proceed. You must click the Accept button to proceed.

The configuration utility will now open, and you will now need to login to the FoIP Gateway. Please enter a valid username and password, and then click the Login button to authenticate your access. The default Username is **AndroMeda** and the default Password is **480503**, please use these credentials to login to the system at this point, and remember they are case sensitive.



Once you have logged into the system, you will observe the configuration utility Main Menu. From here, you may select any of the features available through the configuration utility. Please note, after 10 minutes of inactivity, you will be forced to log into the system once again, for security purposes.

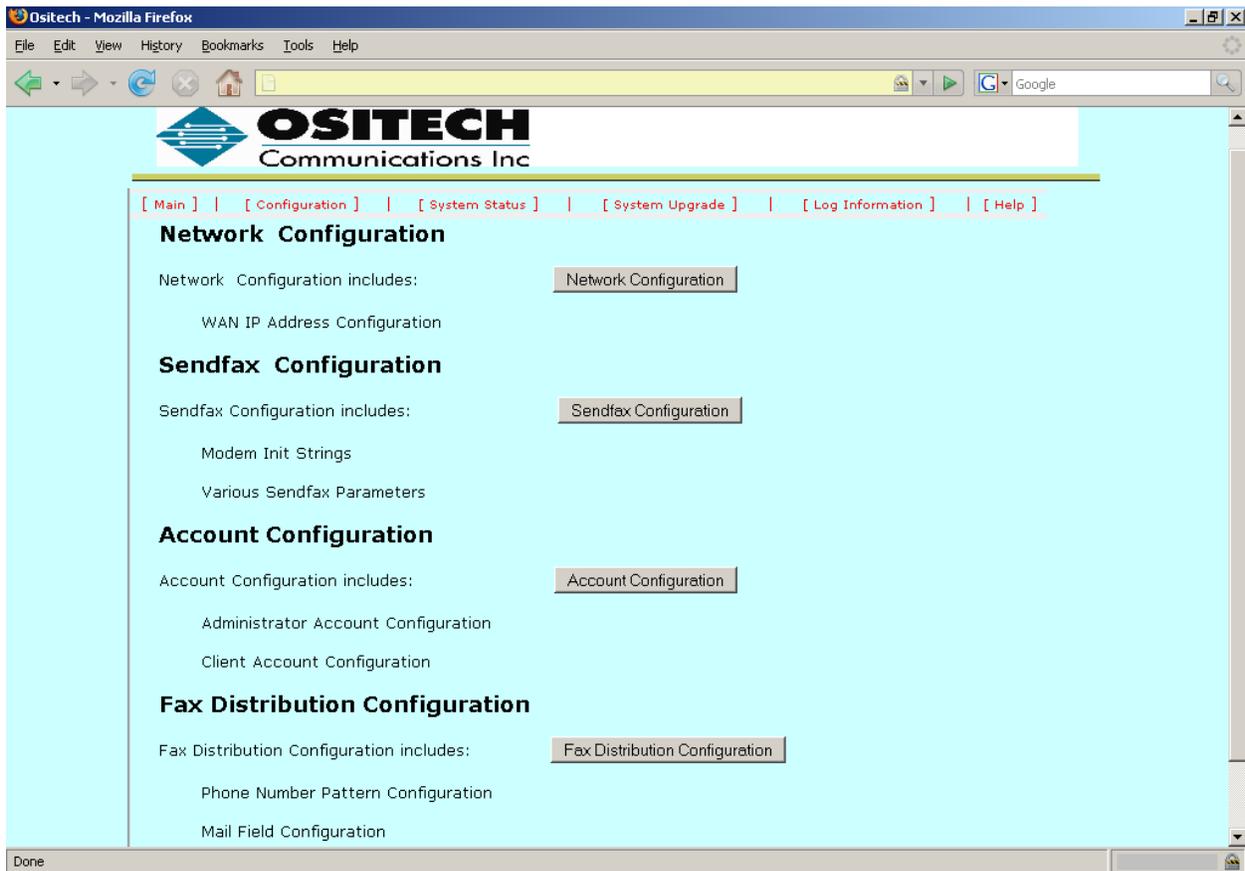


### 4.3 FoIP Gateway Configuration

From the Main Menu, select Configuration to proceed.

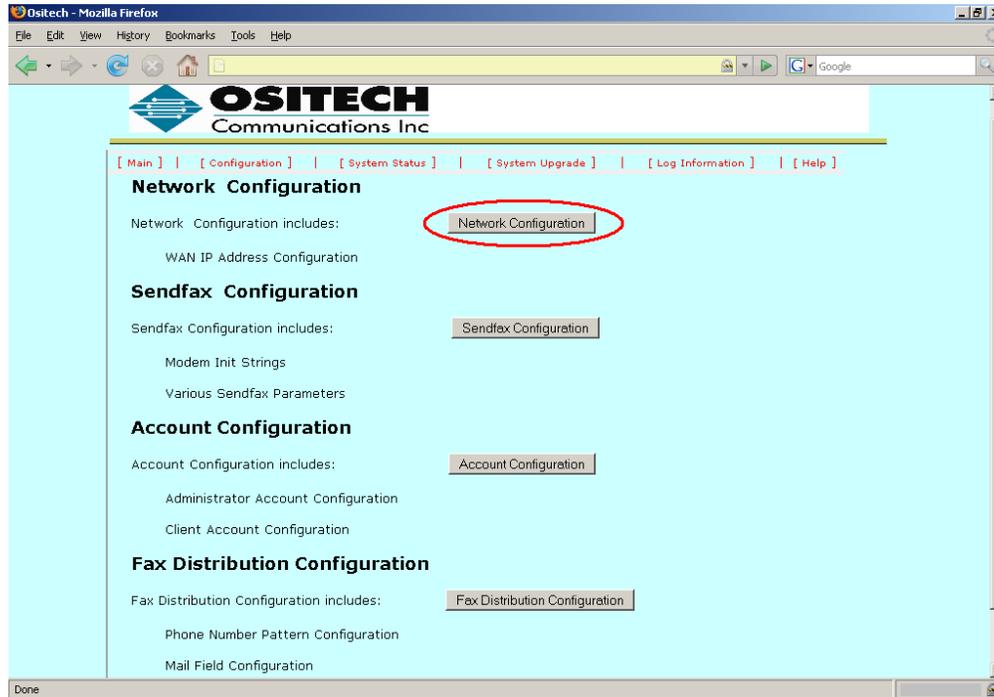


At this point there are four configuration options available: Network Configuration, Sendfax Configuration, Account Configuration, and Fax Distribution Configuration.



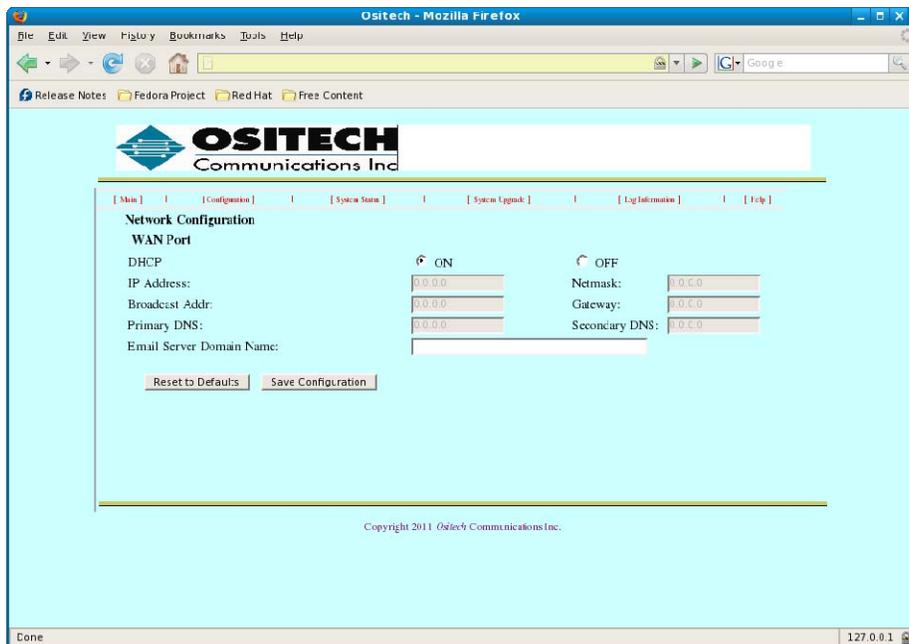
### 4.3.1 Network Configuration

To begin the WAN IP Address configuration, click the “Network Configuration” button to begin.

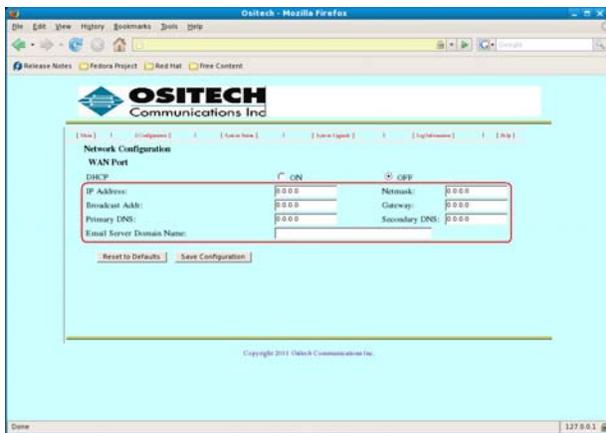
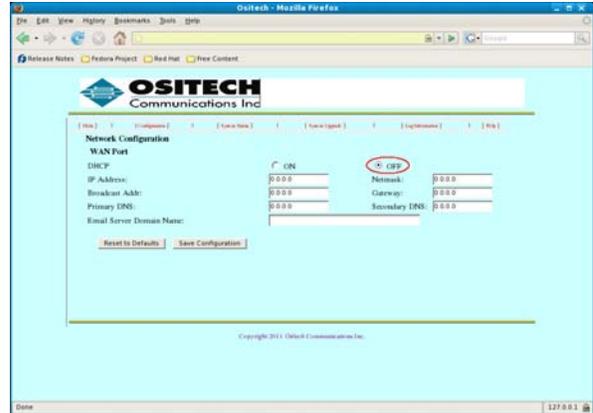


#### 4.3.1.1 WAN Port Configuration

You will now observe the Network Configuration parameters that are user changeable. The default setting for the FoIP Gateway is DHCP ‘ON’ to acquire TCP/IP configuration parameters automatically.

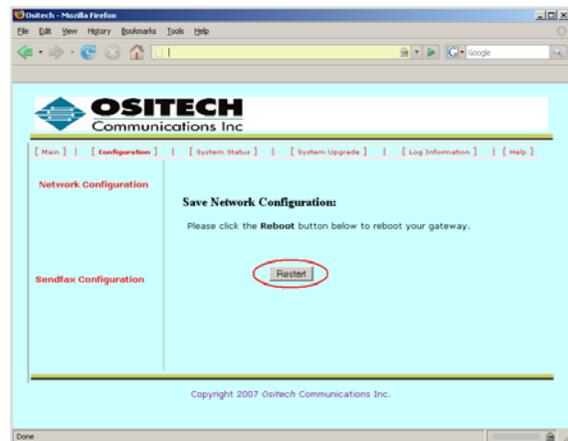


To alter the WAN Port IP Settings, firstly, set the bullet to select DHCP OFF.



Once you have selected DHCP OFF, the six TCP/IP parameters will now become user changeable. Please enter your specific TCP/IP parameters accordingly, these being, the static IP Address of the FoIP Gateway, its Sub Net Mask, its Broadcast Address, the IP Address of its Gateway, and of course the Primary and Secondary DNS IP Addresses. As well, enter the Email Domain Name accordingly. Enter these parameters exactly, since any incorrect parameters may result with no Internet connectivity. If you are unsure of the settings you need to use, please contact your I.T. department for more information. Once you have entered your IP parameters, click the Save Configuration button to effect these changes.

Click the Restart button to reboot the FoIP Gateway with the newly programmed parameters.



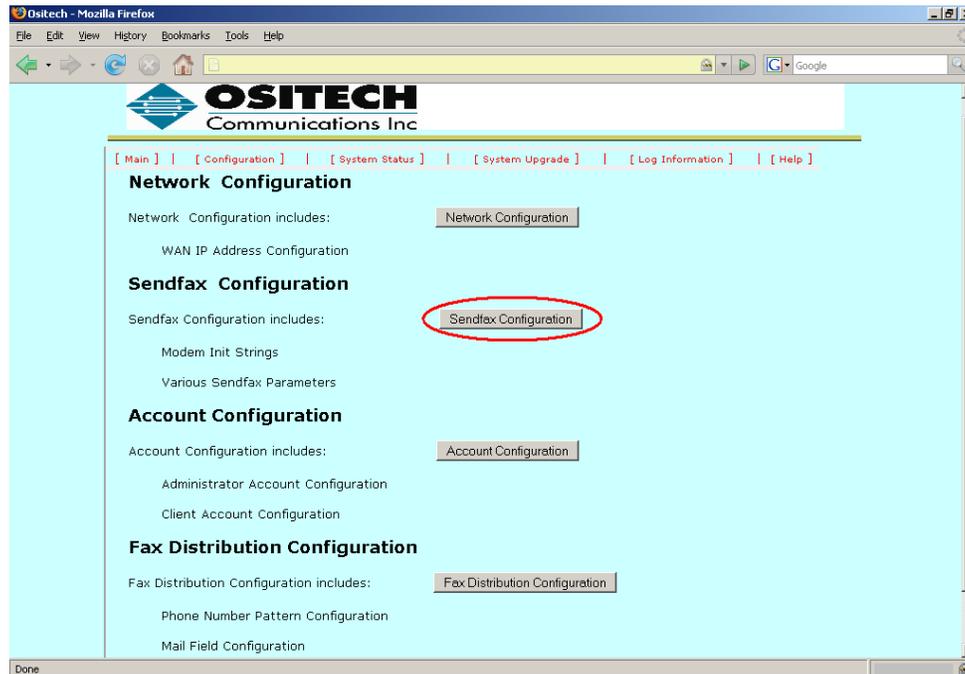
You must then click OK to acknowledge the reboot request.

The FoIP Gateway will now reboot in 2 minutes, please be patient during this time. Upon reboot, your new IP parameters will take effect.

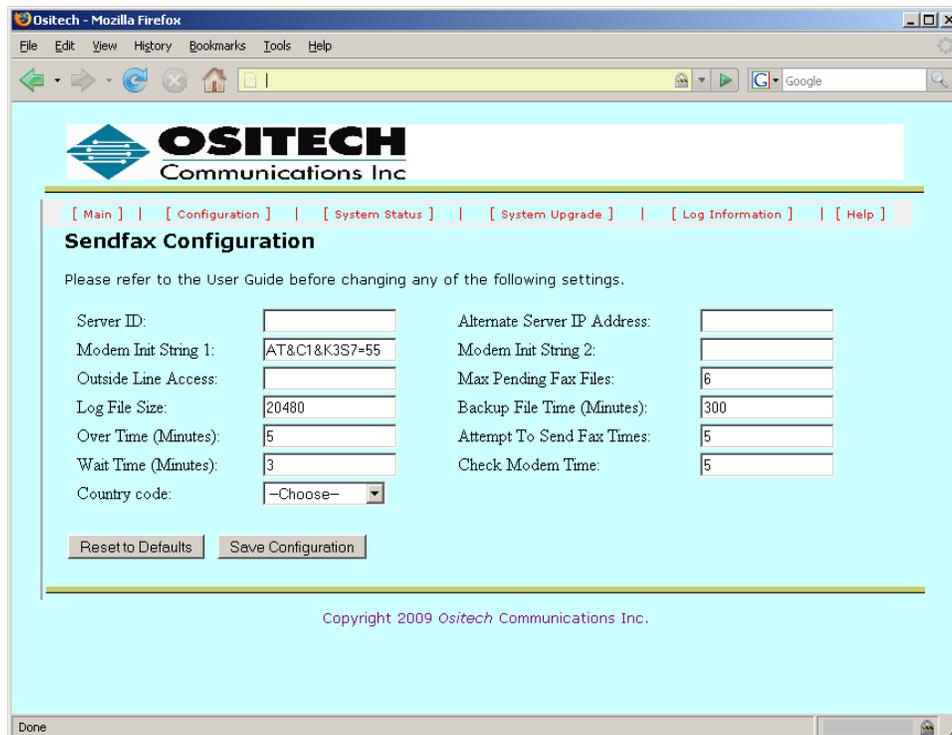


### 4.3.2 Sendfax Configuration

To begin the Sendfax configuration, click the Sendfax Configuration button.



You will now observe the various fields that may be altered according to your needs.



#### 4.3.2.1 Server ID

Server ID:

This field is merely used to identify this server with a unique Server ID. This field is limited to 16 alphanumeric characters only.

#### 4.3.2.2 Alternate Server IP Address

Alternate Server IP Address:

This field is used to define a redundant alternate FoIP Gateway. This address will be used to forward fax jobs to in case this primary FoIP Gateway's USB modems become non responsive, thus ensuring all fax jobs will be processed accordingly to their final destination fax machine.

#### 4.3.2.3 Modem Init String 1

Modem Init String 1:

This initialization string has been determined to give the best performance for the USB based USB Modems. Ositech recommends you do not alter this setting.

#### 4.3.2.4 Modem Init String 2

Modem Init String 2:

This initialization string is user selectable. If you have the need to use a second modem initialization string, please enter it here. Remember, these strings are modem AT commands, and as such, all commands must be preceded by AT. Be careful which AT commands that you may enter here, as incorrect AT commands may result with improper and/or undesirable modem operations.

#### 4.3.2.5 Outside Line Access

Outside Line Access:

This field is used only if you require a dialing prefix. By default, this field is blank, however, if you require a dialing prefix, you may enter it here and it will be prepended to your number to be dialed. This field is limited to 16 characters in length.

#### 4.3.2.6 Max Pending Fax Files

Max Pending Fax Files:

This field represents the amount of pending fax files permitted. By default, 6 fax jobs will be permitted to accumulate at any one time.

#### 4.3.2.7 Log File Size (Bytes)

Log File Size:

The size of the Sendfax log file is defined here. By default, the log file's maximum size is 20480 bytes.

#### 4.3.2.8 Backup File Time (Minutes)

Backup File Time (Minutes):

This field represents the amount of time that needs to elapse before the Log File is backed up. The default time, in minutes, is 300, which represents 5 hours.

#### 4.3.2.9 Attempt To Send Fax Times

Attempt To Send Fax Times:

This field represents the amount of attempt Sendfax will try to resend the fax, in the situation that it is unable to.

**4.3.2.10 Over Time (Minutes)**Over Time (Minutes): 

This field represents the amount of time (in minutes) that Sendfax will wait prior to deleting invalid files.

**4.3.2.11 Wait Time (Minutes)**Wait Time (Minutes): 

This field represents the amount of time (in minutes) that Sendfax will wait prior to attempting to resend a fax file. This condition occurs if a fax job is sent unsuccessfully.

**4.3.2.12 Check Modem Time**Check Modem Time: 

This field represents the amount of time (in minutes) that Sendfax will use in order to check the operational status of the US Robotics USR Modem(s) that are attached to the FoIP Gateway.

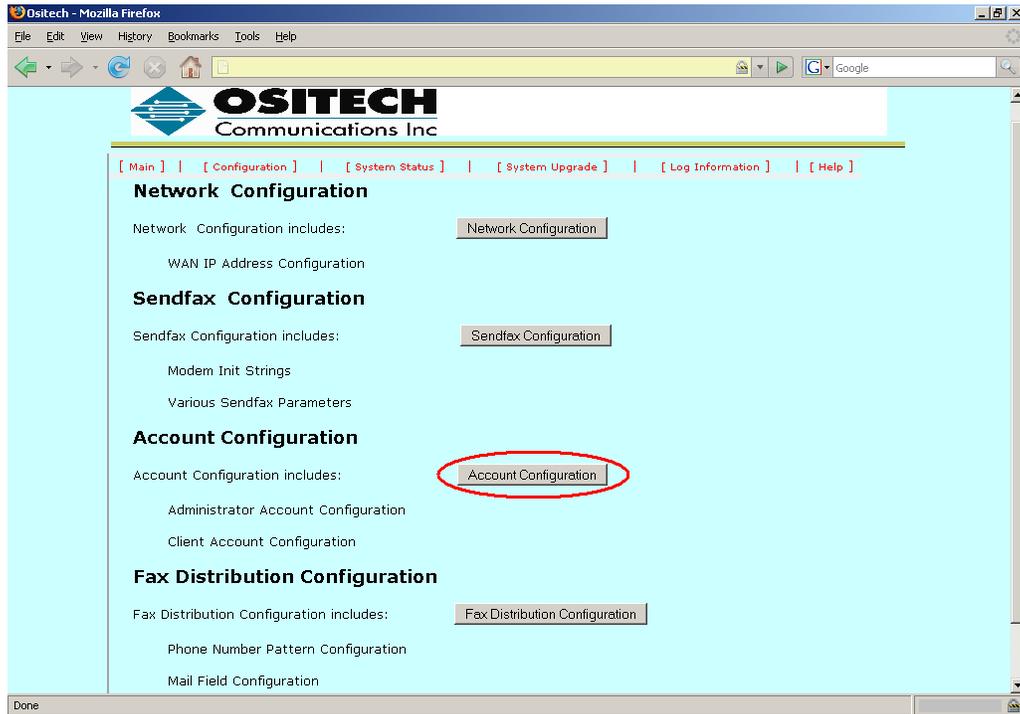
**4.3.2.13 Country Code**Country code: 

-Choose-
-Choose-
NorthAmerica
Europe

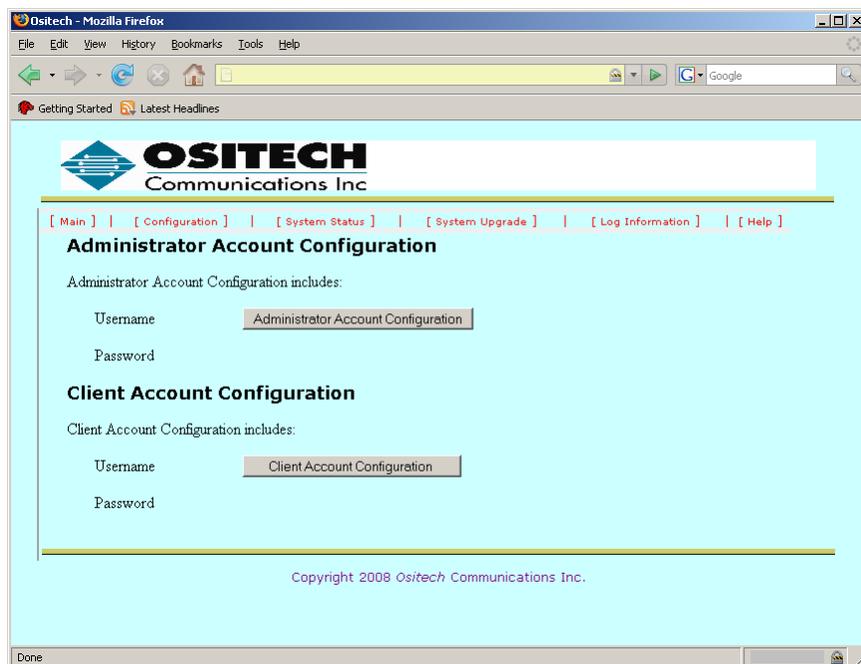
This field represents the country code that will be applied to the US Robotics USR Modem(s) when they process any received faxes. The pull down list for list field allows you to select either North America or Europe (International).

## 4.3.3 Account Configuration

To begin Account configuration, click the Account Configuration button.

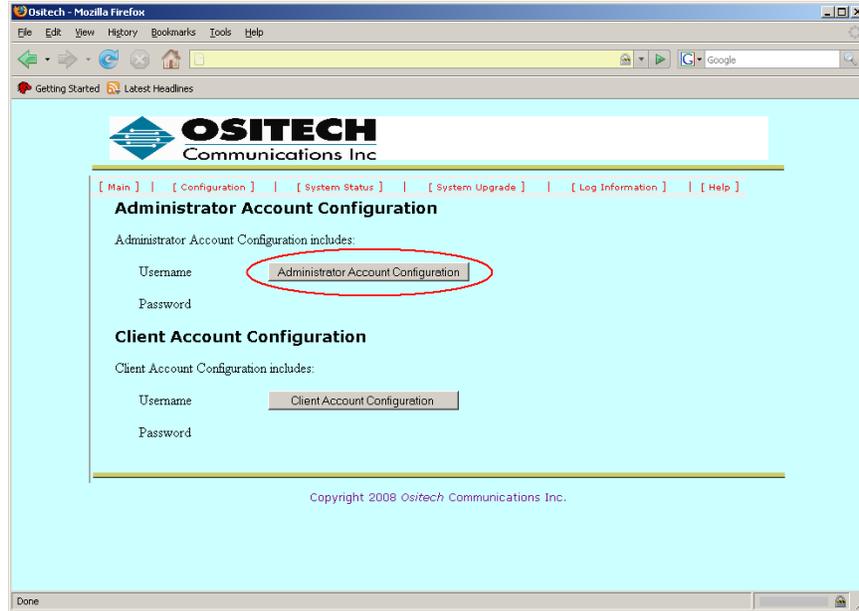


When the Account Configuration page opens, you have two configuration options available, Administrator Account and Client Account.

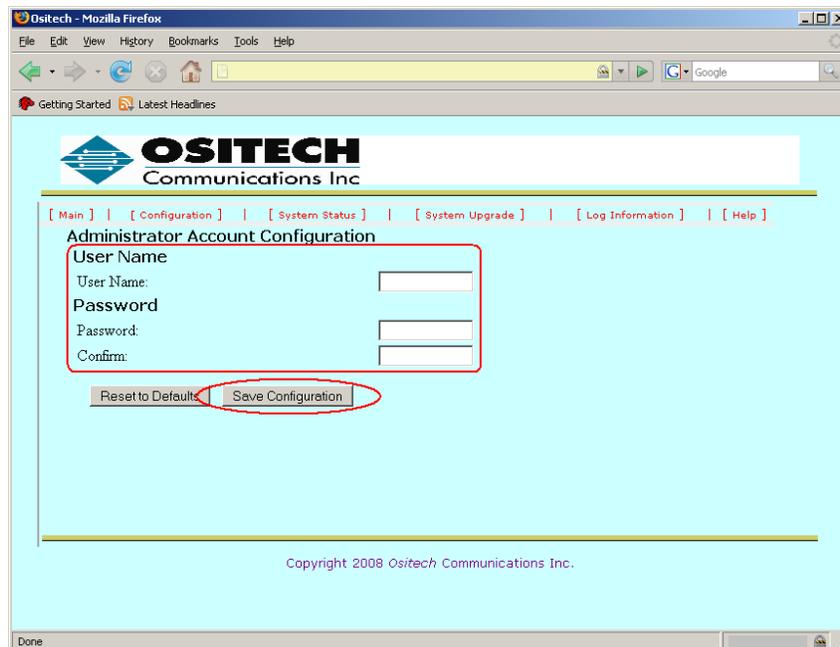


## 4.3.3.1 Administrator Account Configuration

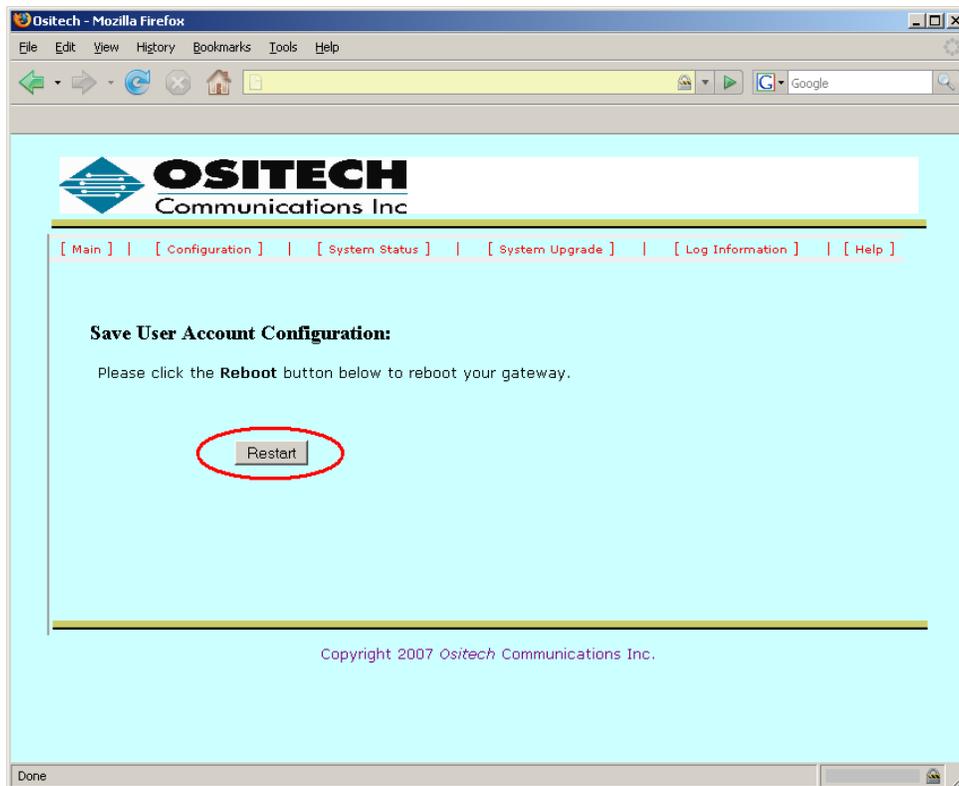
To begin the Configuration of the Administrator Account, click the Administrator Account Configuration button. This feature is used to authenticate the Administrator into the browser configuration. This applies to local browser logins, as well as logins that originate over the Internet.



Please enter the new Administrator Username you wish to use, and then enter the password to use. You will also need to re-enter the password to confirm it matches your previous input. Once you have entered your new Username and Password, click the Save Configuration button. However, if you wish to restore the default username/password (**AndroMeda / 480503**), click the Restore to Defaults button to restore.

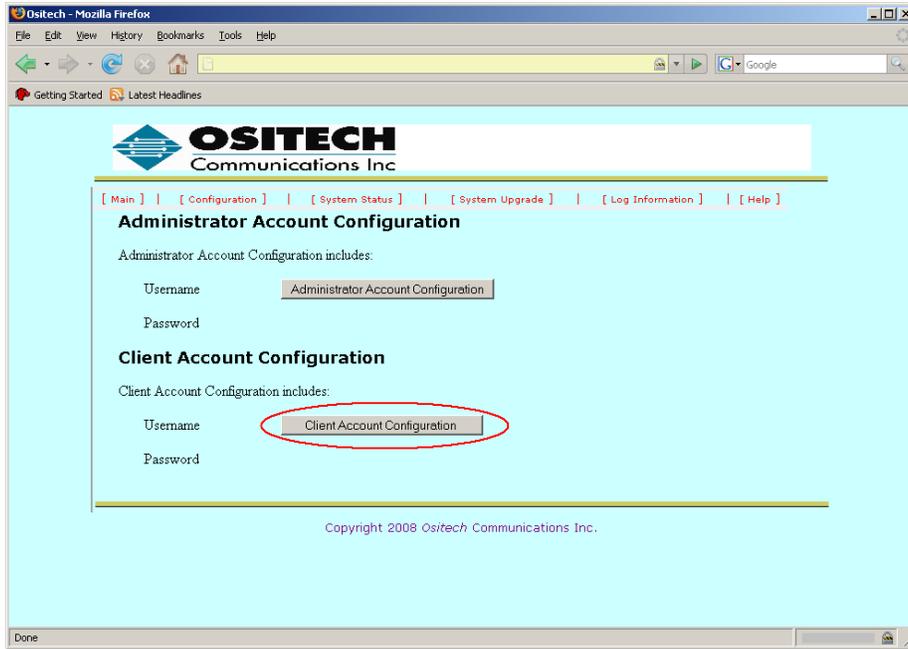


In order to save the user account changes, you will need to restart the FoIP Gateway. Please click the Restart button to initiate the system reboot. Upon reboot, you will need to use your new credentials to access the configuration system through the Firefox browser.

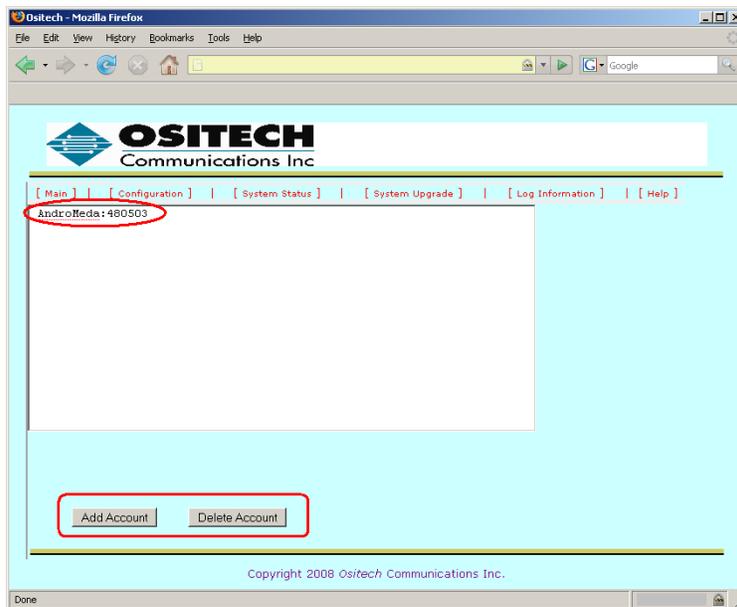


## 4.3.3.2 Client Account Configuration

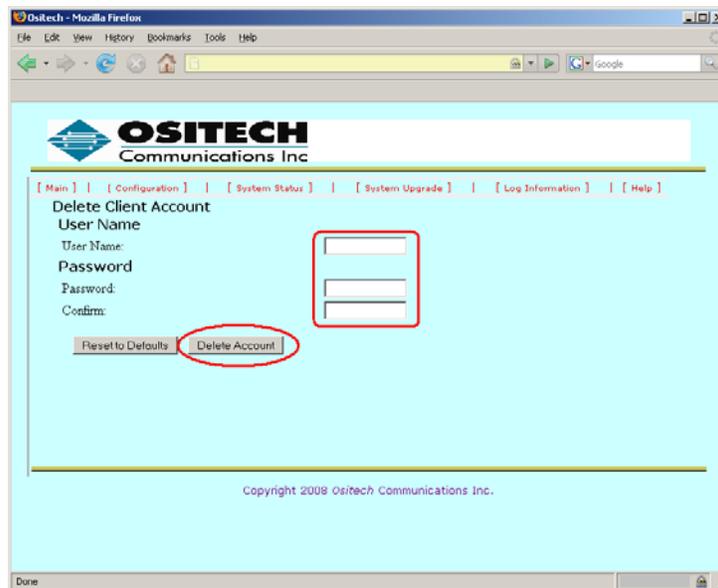
To begin the configuration of the Client Accounts, click the Client Account Configuration.



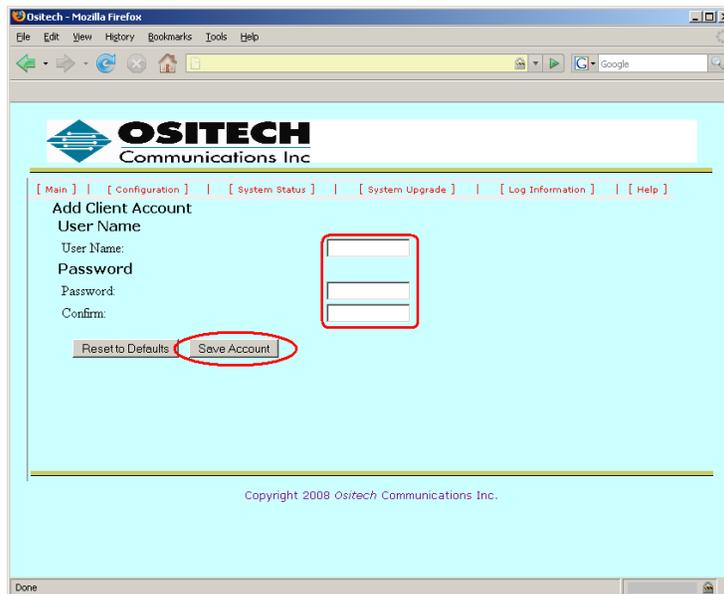
In the next window, you will be able to customize your FoIP PC Card client's login credentials for the FoIP Gateway server. In the example below, you will observe the default PC Card client credentials for the FoIP Gateway Server (**AndroMeda:480503**).



If you wish to delete a client account, click the Delete Account button, and then you will be prompted to enter the Username and Password to delete. Enter the Username and Password you wish to delete, and then click the Delete Account button.

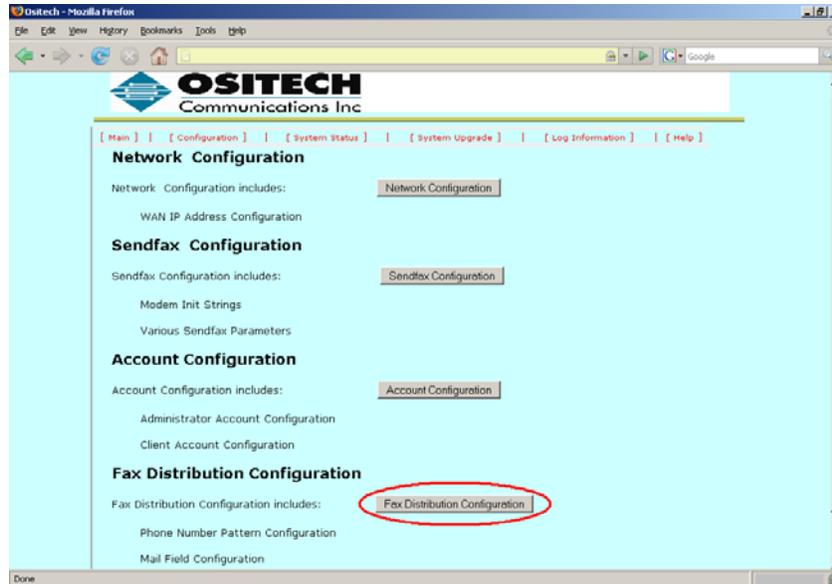


On the other hand, if you wish to create a new PC Card client account, click the Add Account button, and then you will be prompted to enter the Username and Password to you wish to add. Enter the Username and Password you wish to add, and then click the Save Account button.

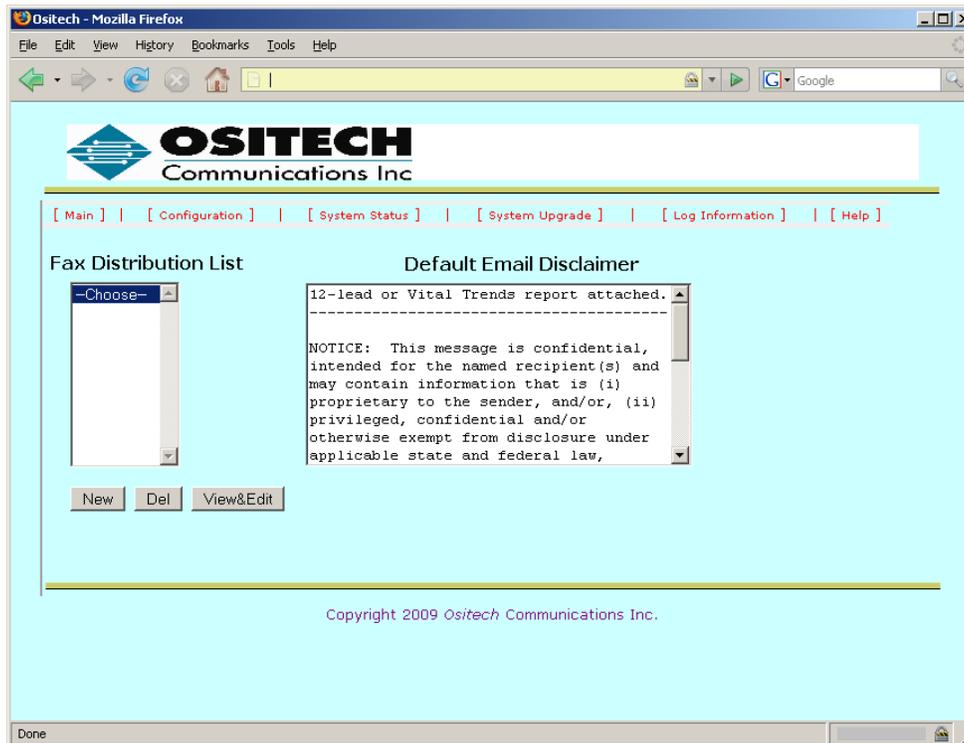


### 4.3.4 Fax Distribution Configuration

To begin Fax Distribution Configuration, click the Fax Distribution Configuration button. This area allows you to configure your customized fax distributions between emailed PDF's, a landline fax transmission, as well as an SMS Text response to confirm fax reception at the destination, and also an SMS Text response to pocket pagers.



When the Fax Distribution Configuration page opens, you have three options available, New, Del, and View&Edit. As well, you will observe the Default Email Disclaimer.



### 4.3.4.1 New

When you click the New button, the Fax Distribution Configuration page opens. This window has five areas to configure, the Phone Number Pattern, the Distribution List, the SMS Settings, the E-Mail Settings, and your email disclaimer. From here, you can customize the content and structure of your Distribution List.

#### 4.3.4.1.1 Phone Number Pattern

Phone number pattern:

The phone number pattern to enter here is what the Zoll defibrillator will dial.

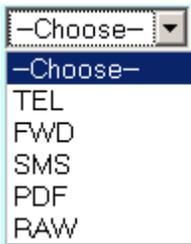
#### 4.3.4.1.2 Distribution List

**Distribution List**

DL0:	<input type="text" value="-Choose-"/>	<input type="text"/>	DL1:	<input type="text" value="-Choose-"/>	<input type="text"/>
DL2:	<input type="text" value="-Choose-"/>	<input type="text"/>	DL3:	<input type="text" value="-Choose-"/>	<input type="text"/>
DL4:	<input type="text" value="-Choose-"/>	<input type="text"/>	DL5:	<input type="text" value="-Choose-"/>	<input type="text"/>
DL6:	<input type="text" value="-Choose-"/>	<input type="text"/>	DL7:	<input type="text" value="-Choose-"/>	<input type="text"/>
DL8:	<input type="text" value="-Choose-"/>	<input type="text"/>	DL9:	<input type="text" value="-Choose-"/>	<input type="text"/>

This area is the heart of the Distribution List. Here you have the option of 10 various output methods of your choice. You may select any combination of Email PDF's, SMS Text message confirmations, and one outgoing landline fax.

To begin your Distribution List configuration, start with DL0, and from the pull down box, select your first output choice for this Distribution List. Typically, Email PDF's should be sent first, then your landline fax, followed by any SMS Text message confirmations you may require. Once you have made your selection, beside it, fill in the associated destination, for an Email PDF this would require the email address of the recipient, for a TEL or FWD this would be the 10 digit phone number of the destination landline fax machine, and finally if selected as SMS, you would insert the text email address of the cellular handset you wish to send the SMS Text to.



To note. Only use the TEL feature, if you do not have any SMS Text confirmations AFTER the landline fax, otherwise, use the FWD feature for the landline fax destination. Remember, you are only permitted one landline fax entry here.

#### 4.3.4.1.3 SMS Setting

<b>SMS Setting</b>	
SUBJECT:	<input type="text"/>
CONTENT:	A fax destined for \$1 has been forwarded at \$2 \$3

If you have chosen to provide an SMS text response(s), you may now configure the subject and content of the SMS Text message that will be sent for this distribution list number. Please enter the Subject content of your choice, keeping in mind the Subject is limited to 31 characters. In the Content field, you will observe the default text as listed above. You may alter the content as you wish, and as well, you may use the variables below for your convenience to insert various data to customize your SMS Text content.

Variables:

- \$1 – Destination Fax Number
- \$2 – Date
- \$3 – Time
- \$4 – Client ID
- \$5 – Server ID

For your benefit, if you choose sending an SMS Text as an option, here are the parameters for North America’s largest cellular providers. Please note, these settings may change from time to time as the provider deems necessary. Please contact your specific cellular service provider for more details. As well, you may require SMS texting services be activated on your cellular account, in order to receive incoming SMS Text messages.

**Alltel**

Format: 10-digit cell phone number @ message.alltel.com  
 Example: 3335551111@message.alltel.com

**AT&T**

Format: 10-digit cell phone number @ txt.att.net  
 Example: 3335551111@txt.att.net

**Chariton Valley**

Format: : 10-digit cell phone number @ sms.cvalley.net  
 Example: 3335551111@sms.cvalley.net

**Cingular**

Format: 10-digit cell phone number @ cingularme.com  
 Example: 3335551111@cingularme.com

**Nextel**

Format: 10-digit cell phone number @ messaging.nextel.com  
 Example: 3335551111@messaging.nextel.com

**Sprint PCS**

Format: 10-digit cell phone number @ messaging.sprintpcs.com  
 Example: 3335551111@messaging.sprintpcs.com

**T-Mobile**

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Format: 10-digit cell phone number @ tmomail.net  
Example: 3335551111@tmomail.net

**US Cellular**

Format: 10-digit cell phone number @ uscc.textmsg.com  
Example: 3335551111@uscc.textmsg.com

**Verizon Wireless**

Format: 10-digit cell phone number @ vtext.com  
Example: 3335551111@vtext.com

**Bell Mobility**

Format: 10-digit cell phone number @ txt.bell.ca  
Example: 3335551111@txt.bell.ca

**Fido**

Format: 10-digit cell phone number @ fido.ca  
Example: 3335551111@fido.ca

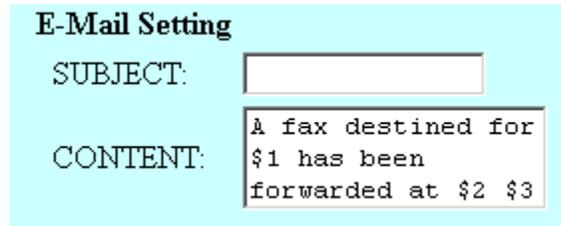
**Rogers Wireless**

Format: 10-digit cell phone number @ pcs.rogers.com  
Example: 3335551111@pcs.rogers.com

**Telus**

Format: 10-digit cell phone number @ msg.telus.com  
Example: 3335551111@msg.telus.com

4.3.4.1.4 E-Mail Setting



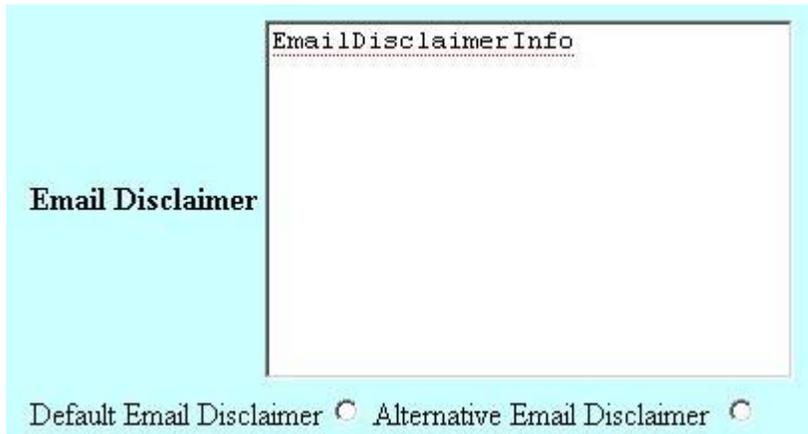
The screenshot shows a form titled "E-Mail Setting" with two main sections: "SUBJECT:" and "CONTENT:". The "SUBJECT:" field is an empty text box. The "CONTENT:" field contains a preview of the default text: "A fax destined for \$1 has been forwarded at \$2 \$3".

If you have chosen to provide an E-Mail PDF(s) of your faxed ECG's, you may now configure the subject and content of the E-Mail message that will be sent for this distribution list number. Please enter the Subject content of your choice, keeping in mind the Subject is limited to 31 characters. In the Content field, you will observe the default text as listed above. You may alter the content as you wish, and as well, you may use the variables below for your convenience to insert various data to customize your E-Mail content. Your electronic PDF of the faxed ECG will automatically be attached to the outgoing E-Mail(s).

Variables:

- \$1 – Destination Fax Number
- \$2 – Date
- \$3 – Time
- \$4 – Client ID
- \$5 – Server ID

#### 4.3.4.1.5 E-Mail Disclaimer



**Email Disclaimer**

EmailDisclaimerInfo

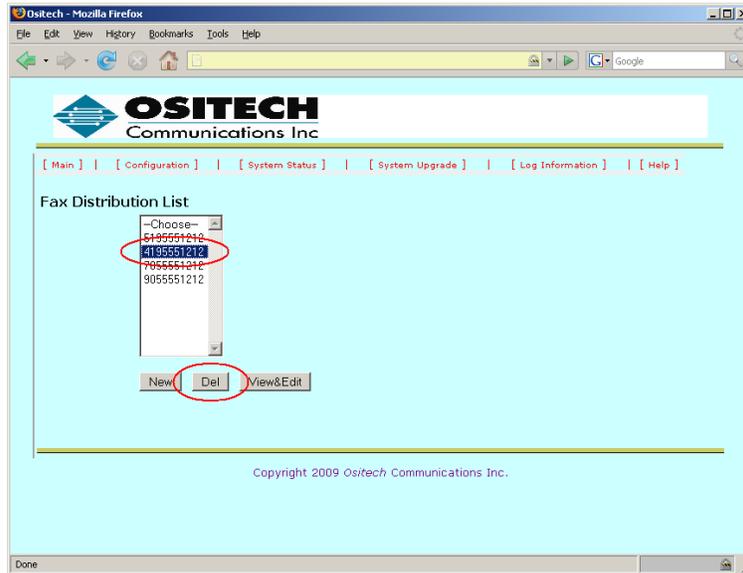
Default Email Disclaimer  Alternative Email Disclaimer

In this area, your email disclaimer is configured. If you wish to employ the Default Email Disclaimer, then merely set the bullet to use the Default Email Disclaimer. On the other hand, if you wish to use an alternative email disclaimer, then please set the bullet to select Alternate Email Disclaimer, and now you may enter the disclaimer of your choosing in the box provided.

After you have completed the configuration of your Distribution List entry, click the Save Configuration button to save your Distribution List.

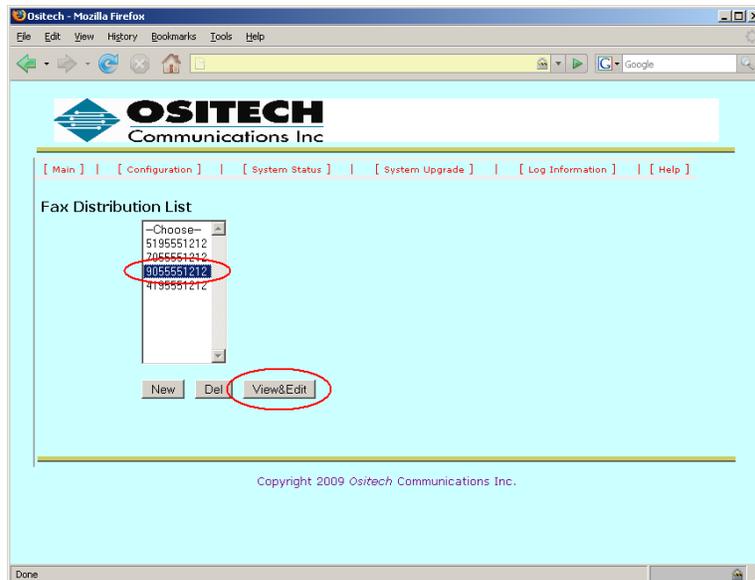
#### 4.3.4.2 Del

This option allows you to delete an existing phone number pattern from your distribution list. To use this option, from your distribution list, highlight which phone number pattern you wish to delete, and then click the Delete button. Your selected phone number pattern from your Fax Distribution List will now be deleted, and its entry will be removed from your Distribution List.



#### 4.3.4.3 View&Edit

This option permits you to view and edit any phone number patterns in your Distribution List. To use this option, from your distribution list, highlight which phone number pattern you wish to view and/or edit, and then click the View&Edit button to proceed.



The Fax Distribution Configuration page for your selected phone number pattern is now displayed. You are now able to change any of the contents for this phone number pattern for your specific needs as you see fit.



[\[ Main \]](#) | [\[ Configuration \]](#) | [\[ System Status \]](#) | [\[ System Upgrade \]](#) | [\[ Log Information \]](#) | [\[ Help \]](#)

### Fax Distribution Configuration

Please refer to the User Guide before changing any of the following settings.

Phone number pattern:

**Distribution List**

DL0:	<input type="text" value="PDF"/>	<input type="text" value="johnsmith@123.com"/>	DL1:	<input type="text" value="PDF"/>	<input type="text" value="tedjones@321.com"/>
DL2:	<input type="text" value="FWD"/>	<input type="text" value="9055551212"/>	DL3:	<input type="text" value="SMS"/>	<input type="text" value="9051232233@msg.t"/>
DL4:	<input type="text" value="-Choose-"/>	<input type="text"/>	DL5:	<input type="text" value="-Choose-"/>	<input type="text"/>
DL6:	<input type="text" value="-Choose-"/>	<input type="text"/>	DL7:	<input type="text" value="-Choose-"/>	<input type="text"/>
DL8:	<input type="text" value="-Choose-"/>	<input type="text"/>	DL9:	<input type="text" value="-Choose-"/>	<input type="text"/>

**SMS Setting**

SUBJECT:

CONTENT:

**E-Mail Setting**

SUBJECT:

CONTENT:

**Email Disclaimer**

12-lead or Vital Trends report attached.

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NOTICE: This message is confidential, intended for the named recipient(s) and may contain information that is (i) proprietary to the sender, and/or, (ii) privileged, confidential and/or otherwise exempt from disclosure under applicable state and federal law, including, but not limited to, privacy standards imposed pursuant to the federal Health Insurance Portability and

Default Email Disclaimer  Alternative Email Disclaimer

Copyright 2009 Ositech Communications Inc.

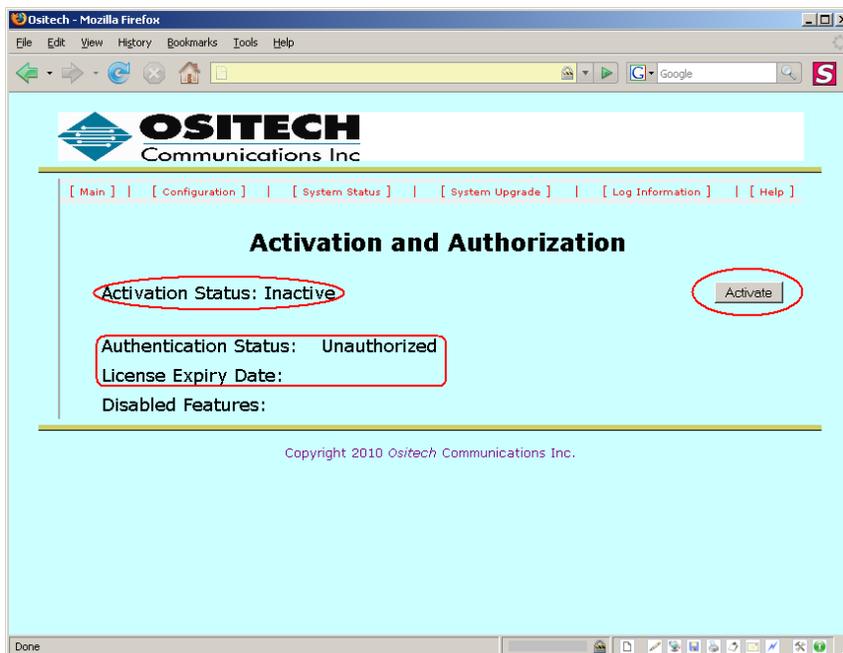
If you have made any changes to your Distribution List entries, remember to click the Save Configuration button to effect the changes you have made.

## 4.4 Activation and Authorization

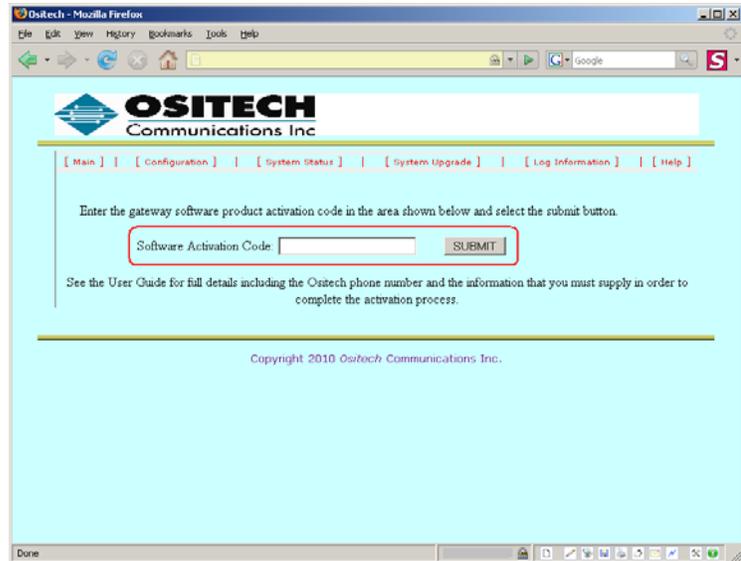
Upon first time launch, you will need to activate and authorize your FoIP Gateway prior to becoming fully operational with your clients. To begin, please click the Activation and Authorization button. Failure activate and authorize your Gateway will prevent your FoIP Clients from connecting to your system. Contact Ositech Communications should you have any questions or concerns pertaining your license agreement.



You should now observe your Activation and Authorization status, of which it should indicate Activation Status: Inactive and Authentication Status: Unauthorized. To activate your FoIP Gateway, please click the Activate button now.

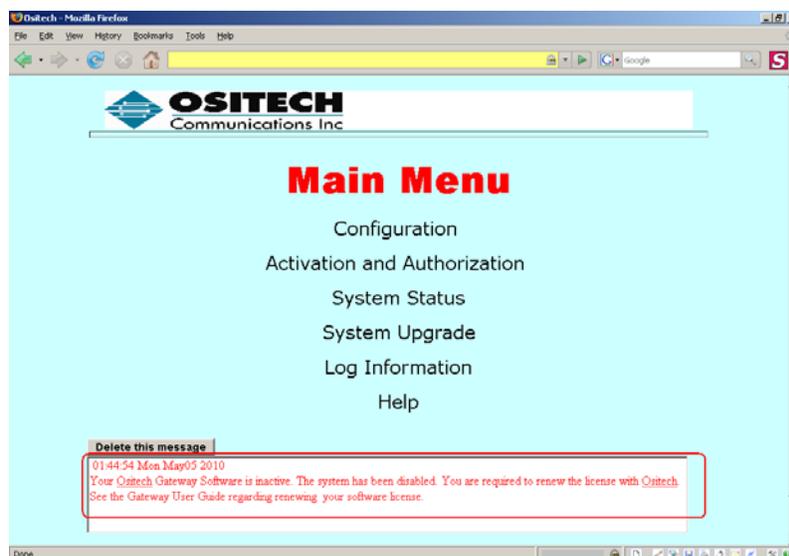


At this point, you should now be prompted to enter your Activation code. You can locate your code on the spine of your DVDROM case, on a special sticker. Please enter your Activation Code, and then click the Submit button.



Once you have submitted your Activation code, you will now be advised that in order to complete your activation sequence, you must now contact Ositech Communications and allow access in your system. Please click OK to continue with your activation sequence.

At this point, you will returned to the Main Menu, of which you can observe the status message indicating your FoIP Gateway is inactive and disabled. You will observe this status until Ositech remotely connects to your FoIP Server and activates your system. You may click the “Delete this message” button, if you do not wish any further status that your system is inactive and disabled.

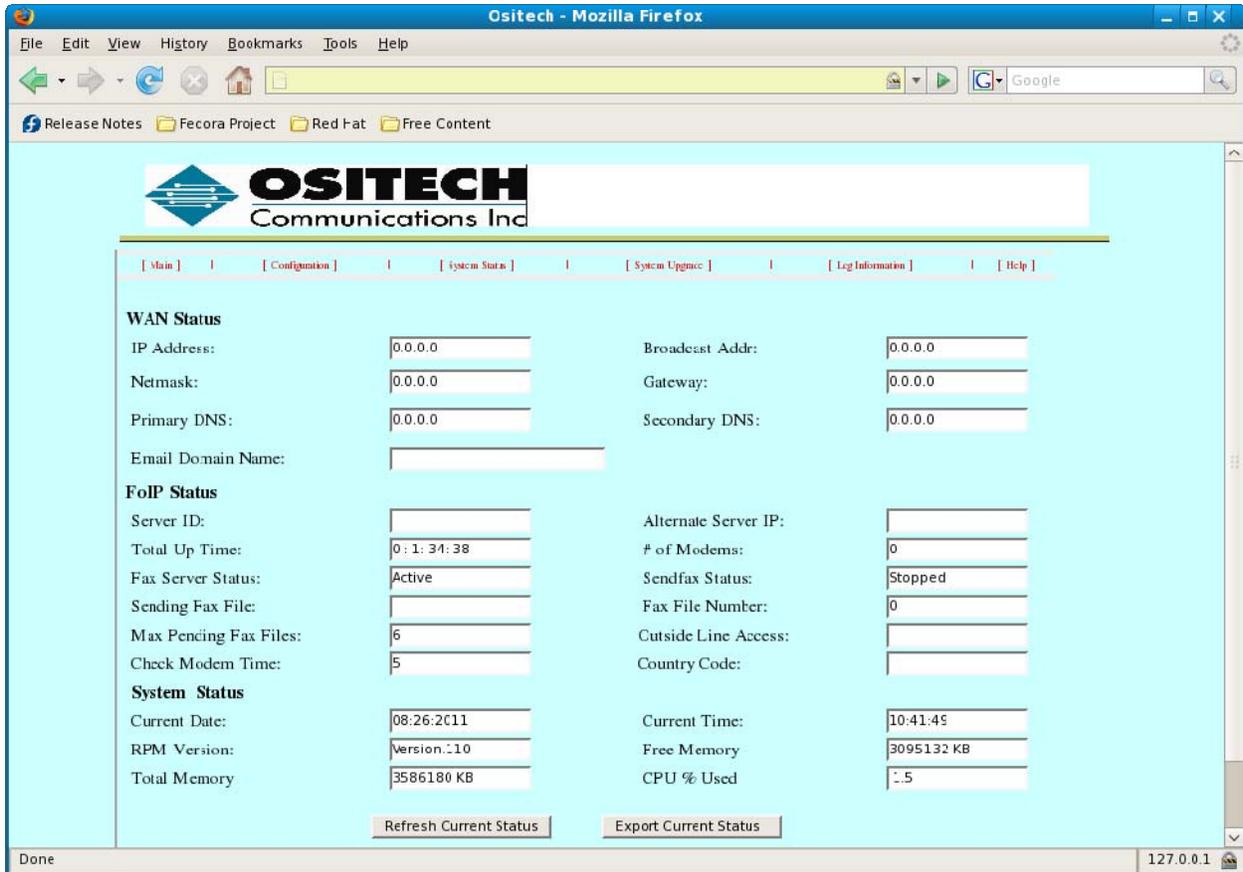


Once your system has been fully activated, you may now return and click the Activation and Authorization button. Here, your status will now indicate your Activation Status, the Authentication Status, and your License Expiry Date. Please contact Ositech Communications if you wish to increase your License duration.



## 4.5 System Status

The System Status window. This area will display the various system statuses for your convenience. There are three areas that are identified: WAN Status, FoIP Status, and System Status.



### 4.5.1.1 WAN Status

**WAN Status**

IP Address:	0.0.0.0	Broadcast Addr:	0.0.0.0
Netmask:	0.0.0.0	Gateway:	0.0.0.0
Primary DNS:	0.0.0.0	Secondary DNS:	0.0.0.0
Email Domain Name:			

This section will display the current IP parameters of your FoIP Gateway system, as well as your Email Domain Name. If you have selected to use DHCP, then the information displayed here, is the result of the DHCP client receiving its IP configuration from the remote DHCP Server. If you have statically defined your IP parameters, those selections will be displayed here. The fields displayed include the IP Address, Broadcast Address, Netmask, Gateway, Primary DNS, Secondary DNS, and the Email Domain Name.

### 4.5.1.2 FoIP Status

FoIP Status			
Server ID:	<input type="text"/>	Alternate Server IP:	<input type="text"/>
Total Up Time:	<input type="text" value="0 : 2: 13: 43"/>	# of Modems:	<input type="text" value="1"/>
Fax Server Status:	<input type="text" value="Active"/>	Sendfax Status:	<input type="text" value="Stopped"/>
Sending Fax File:	<input type="text"/>	Fax File Number:	<input type="text" value="0"/>
Max Pending Fax Files:	<input type="text" value="6"/>	Outside Line Access:	<input type="text"/>
Check Modem Time:	<input type="text" value="5"/>	Country Code:	<input type="text" value="NorthAmerica"/>

The FoIP Status area contains twelve fields of information. These fields include Server ID, Total Up Time, Fax Server Status, Sending Fax File, Max Pending Fax Files, Check Modem Time, Alternate Server IP, # of Modems, Sendfax Status, Fax File Number, Outside Line Access, and Country Code.

1. **Server ID.** This field is a descriptive name for this server. It is used in the Sendfax to log to identify the server origin of the fax job, as it may have been relayed from the primary server in case server redundancy was used. The length of this field is any 16 characters.
2. **Total Up Time.** The Total Up Time is the overall time that the FoIP Gateway has been operational. In the example above, the FoIP Gateway has been running for 0 days, 2 hours, 13 minutes and 43 seconds.
3. **Fax Server Status.** The Fax Server Status indicates whether or not the Fax Server software is Active or Stopped.
4. **Sending Fax File.** This field displays the current FoIP file that is being processed and sent to its final destination.
5. **Max Pending Fax Files.** This indicator illustrates the maximum concurrent fax files allowed at any one time. In this example, the value of 6 indicates that 6 fax files are allowed to accumulate at any one point. If more clients attempt to connect with the FoIP Gateway while it is in maximum fax file condition, they will be denied a login attempt, which will result in a fax file transmit failure, until the FoIP Gateway has sufficient time to clear the backlog of pending faxes below the max pending fax files value.
6. **Check Modem Time.** This field determines how often the system will poll the US Robotics modems to verify their operational status. The value illustrated is the default value in minutes.
7. **Alternate Server IP.** If you are equipped with a redundant FoIP Gateway system, enter its IP address in this location. In situations where the primary modems become unresponsive, the primary FoIP Gateway will then transfer pending fax jobs to the redundant server for processing to the final destination.
8. **# of Modems.** The physical number of USB Modems is displayed in this location. In the example above, the value of 4 indicates that there are four US Robotics USB Modems is present in the system. The maximum number of physical USB modems that can be connected at one time is 4. Please do not connect more than 4 USB modems at one time.
9. **Sendfax Status.** This field will indicate that Sendfax is either Stopped (not currently transmitting a fax file to its destination) or Active (currently transmitting a fax file to its destination).
10. **Fax File Number.** This value indicates the number of current valid fax files that are currently residing on the system hard drive, either being sent or waiting to be sent.
11. **Outside Line Access.** This field indicates whether you are using any dialing prefixes to access an outside line.
12. **Country Code.** This field indicates which country profile will be applied to the USB US Robotics modems when they process their fax jobs. This can only indicate North America or Europe.

### 4.5.1.3 System Status

#### System Status

Current Date:	11:14:2008	Current Time:	15:26:51
RPM Version:	Version.77	Free Memory	18372 KB
Total Memory	1024304 KB	CPU % Used	7.9

The System Status area contains six information fields for your reference. These fields include the Current Date, Current Time, RPM Version, Free Memory, Total Memory, and CPU % Used

1. Current Date. The current date of the FoIP Gateway is displayed here.
2. Current Time. The current time of the FoIP Gateway is displayed here.
3. RPM Version. The RPM Version indicates the version of the actual FoIP Gateway software loaded on your system.
4. Free Memory. This field indicates the amount of free (unused) system memory, in KB's.
5. Total Memory. This field indicates the amount of total overall system memory, in KB's.
6. CPU % Used. The total amount of CPU usage is displayed here.

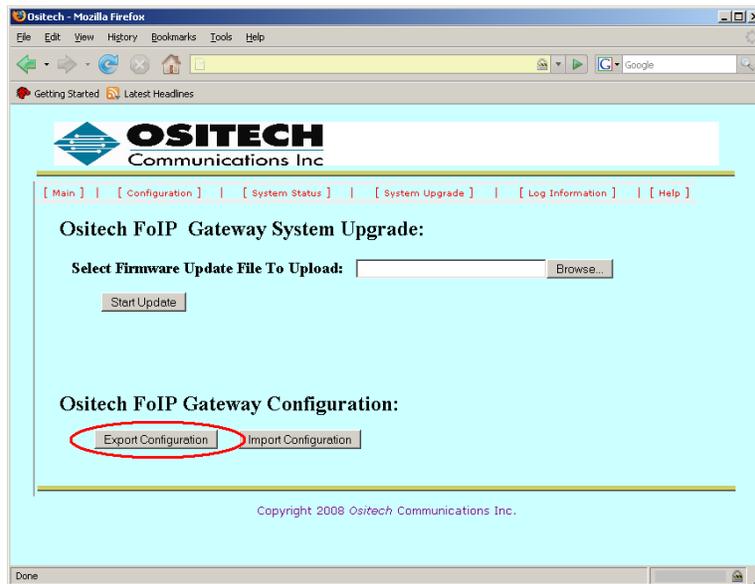
## 4.6 FoIP Gateway System Upgrade

If you have been informed that a system upgrade is available for the Ositech FoIP Gateway, this area will allow you to upgrade your system.

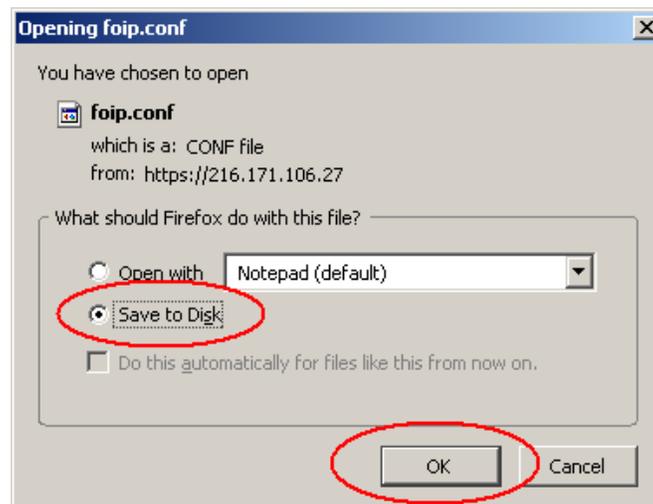
### 4.6.1.1 Export System Configuration

Prior to upgrading your FoIP Gateway system, it is recommended that you backup your system configuration using the Export Configuration button. This will allow you to export your system configuration to an external file, such that you can later import your settings without having to reconfigure your entire system again after your system upgrade or complete system reload. The Export Configuration feature will backup your Network, Sendfax, Account Settings, and of course your customized fax Distribution List.

To begin the export system configuration process, click the Export Configuration button.

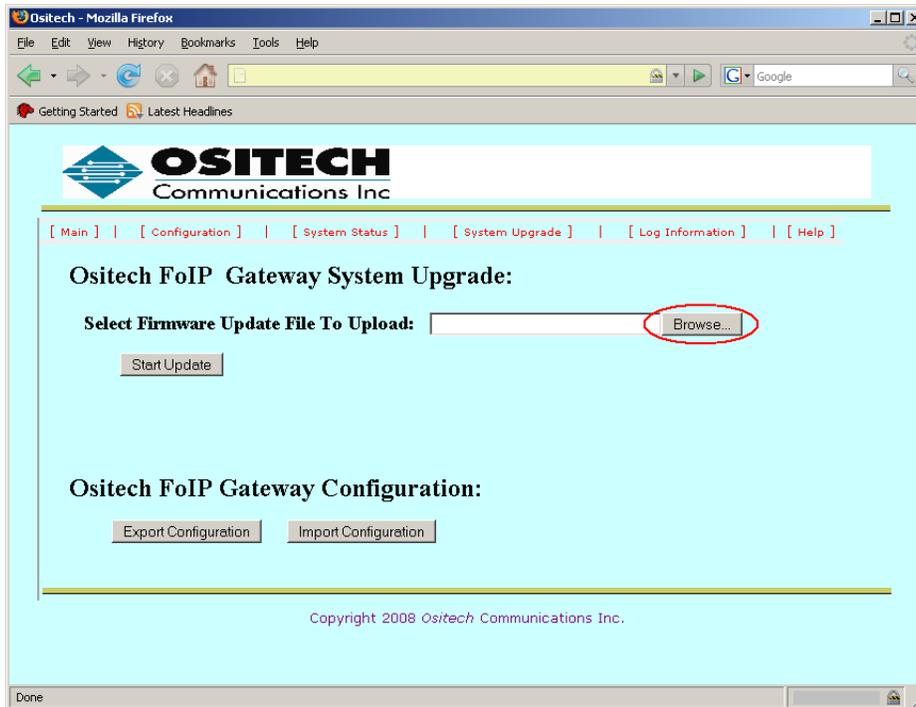


When you are prompted, select the “Save to Disk” option, and the file will be saved in your default location. Please make a copy of this file, and keep it external from the system hard drive, in case of hard drive failure.

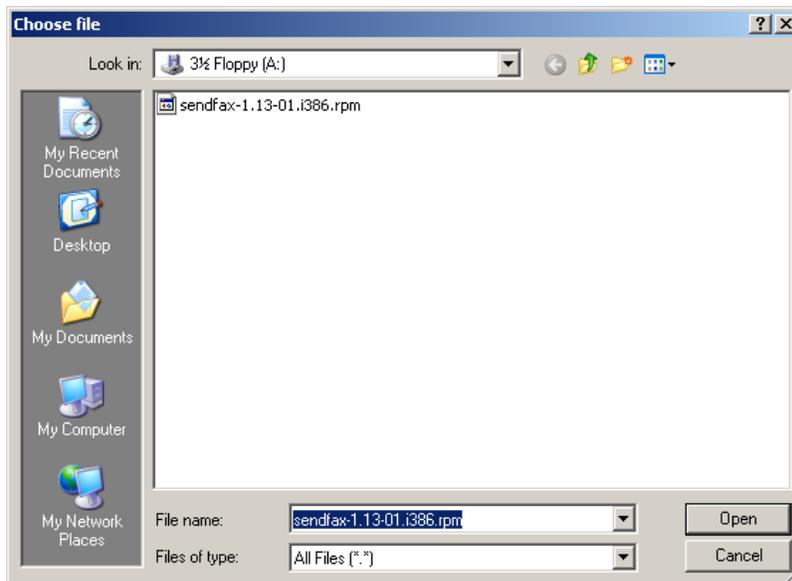


## 4.6.1.2 Perform System Upgrade

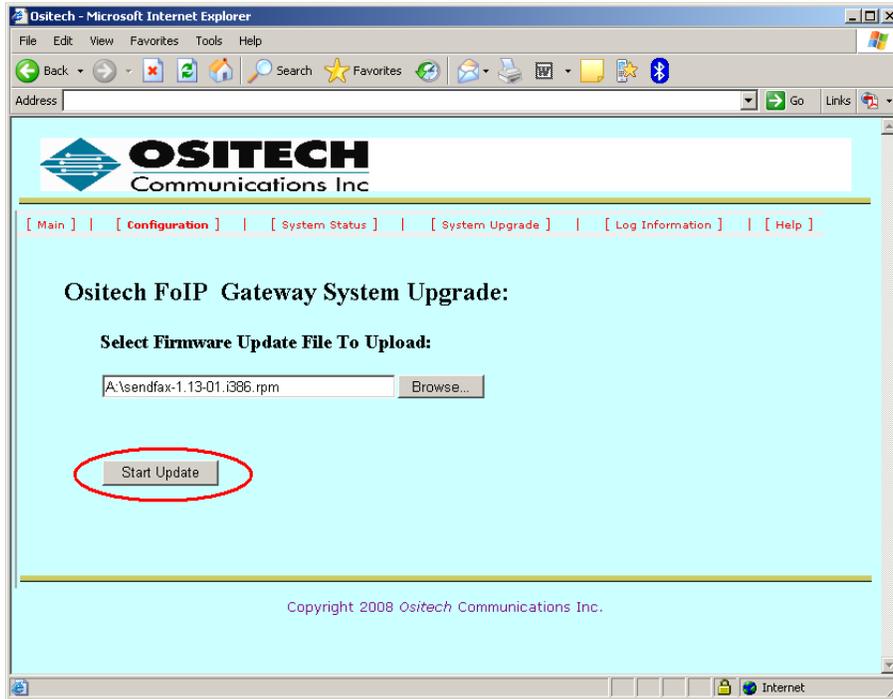
Once you have exported your system configuration, you may proceed with your system upgrade. To begin the system upgrade process, click the Browse button.



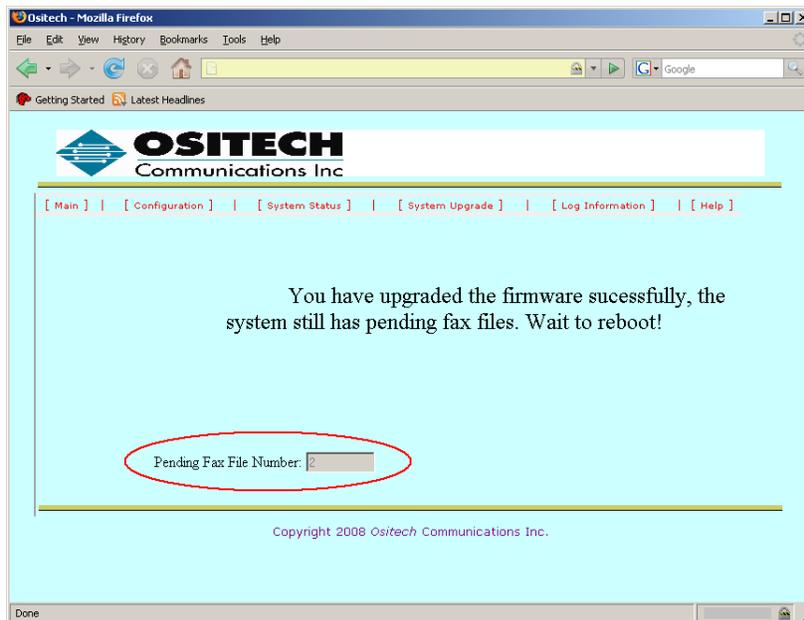
You will now be prompted to locate the upgrade file. Locate the RPM file to be used for the upgrade, and select this file.



Once you have selected the appropriate RPM file to upgrade with, click the Start Update button to start the upgrade process.



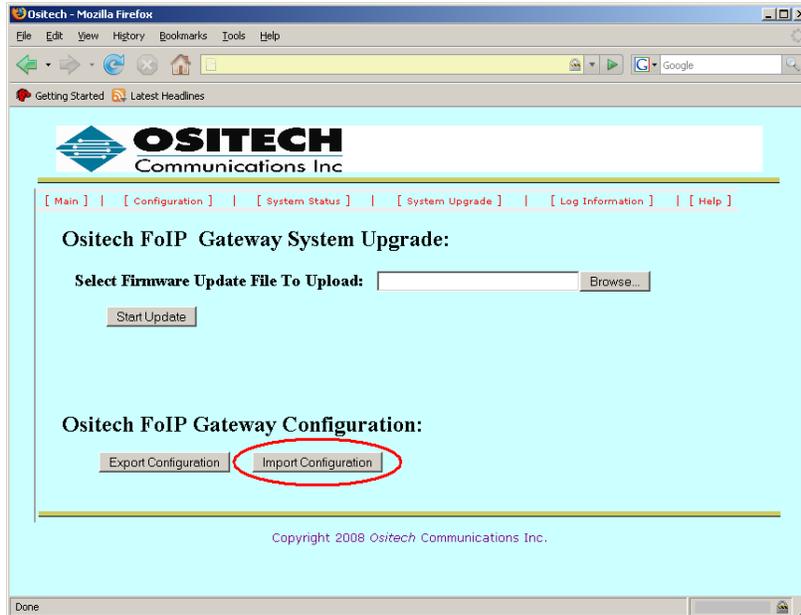
The upgrade file has been successfully applied to the FoIP Gateway, however if there are still pending fax jobs, the system at this point, will prevent future log ins until the system has successfully processed any outstanding fax jobs in the queue. Once all fax jobs are processed, the system will then reboot. In the example below, there are two fax jobs pending that need to be processed, and the system will apply the update and reboot. Please wait 4 minutes until the system has rebooted. Once the system has rebooted after a system upgrade, your previous settings will have been retained, and your FoIP Gateway is ready for immediate service again.



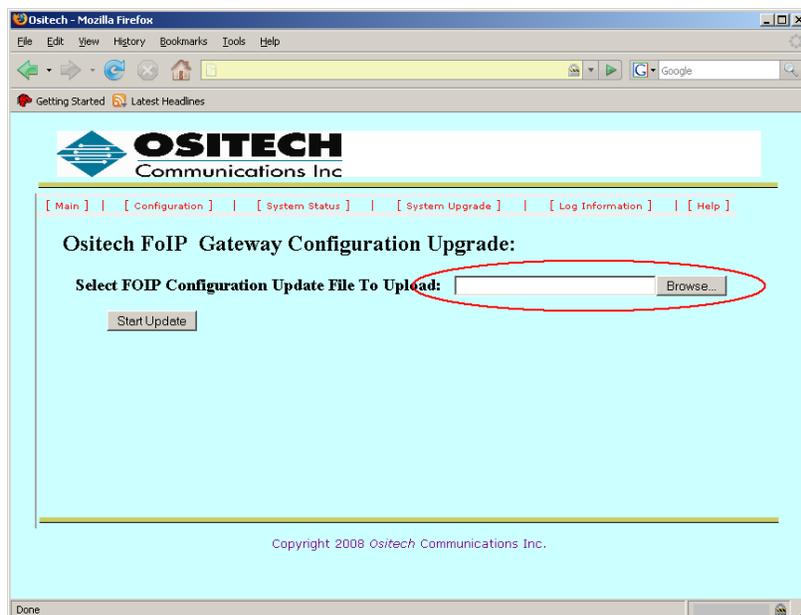
### 4.6.1.3 Import System Configuration

Once you have reloaded your FoIP Gateway system, you may now use the Import Configuration feature to restore your system configuration using the Import Configuration button. This will allow you to import your system configuration from an external file, without having to reconfigure your entire system again after your system reload. The Import Configuration feature will restore your Network, Sendfax, Account Settings, and of course your customized fax Distribution List.

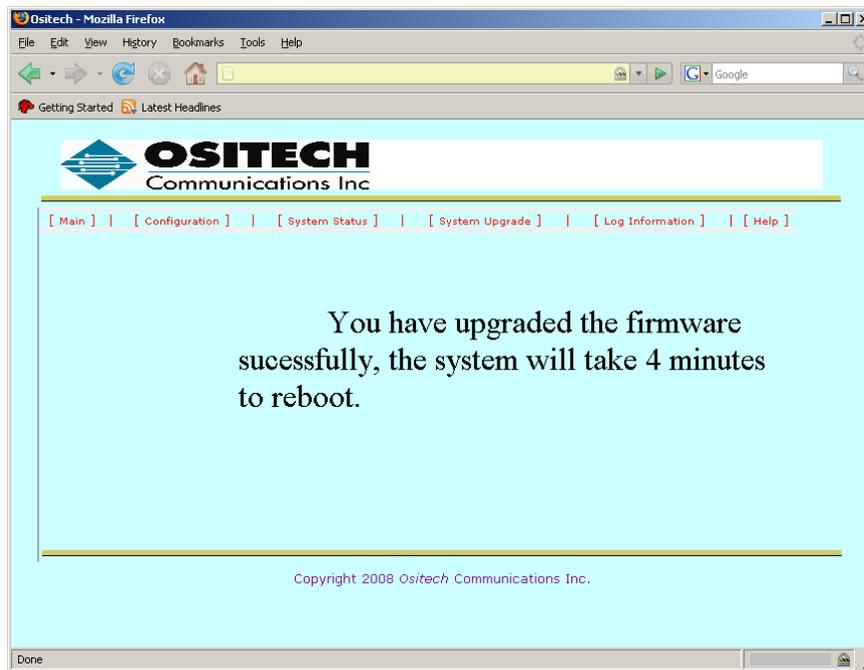
To begin the import system configuration process, click the Import Configuration button.



You will now be prompted to Browse to locate the FoIP system update file. Click the Browse button, and select your update file.

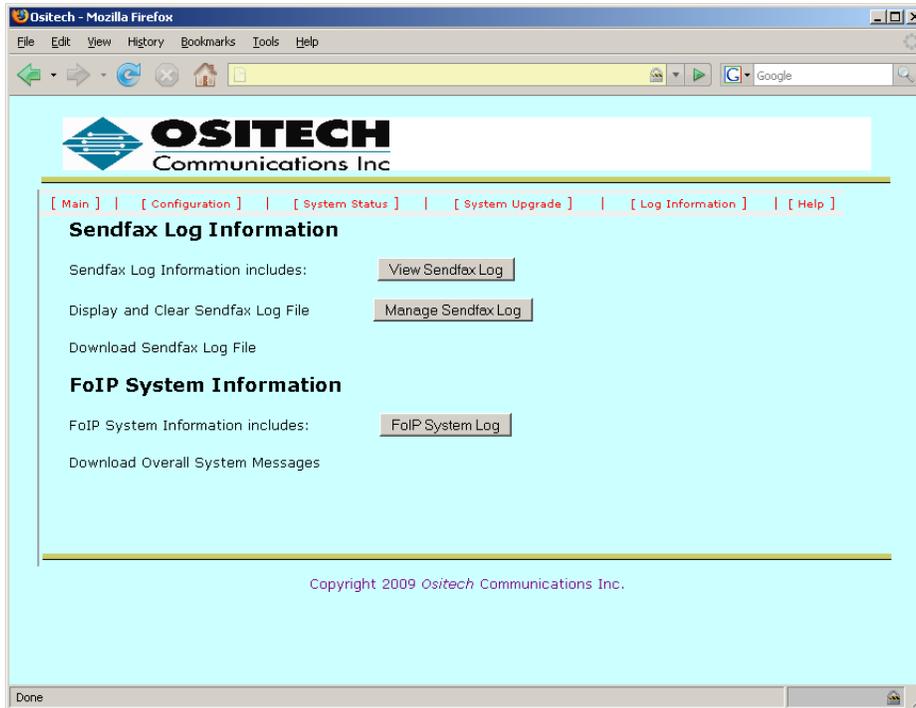


At this point, you will now be advised that you have updated the system successfully, and the system will reboot within 4 minutes. When the system reboots, it will be ready for operation once again, using the configuration file you have imported.



## 4.7 Log Information

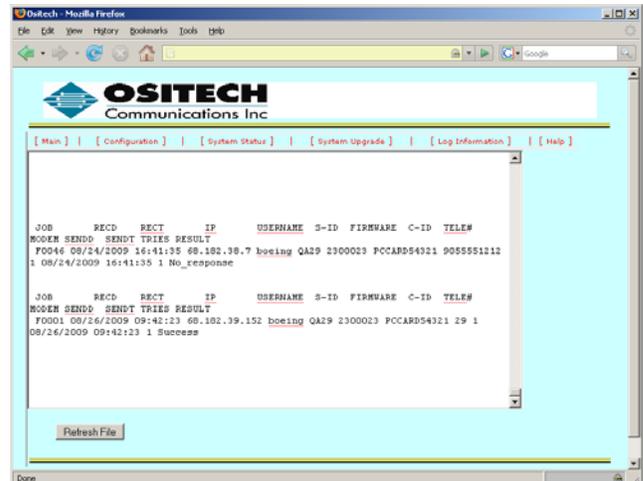
The Log Information window has options for both the Sendfax Log, as well as the FoIP System Log.



### 4.7.1 Sendfax Log Information

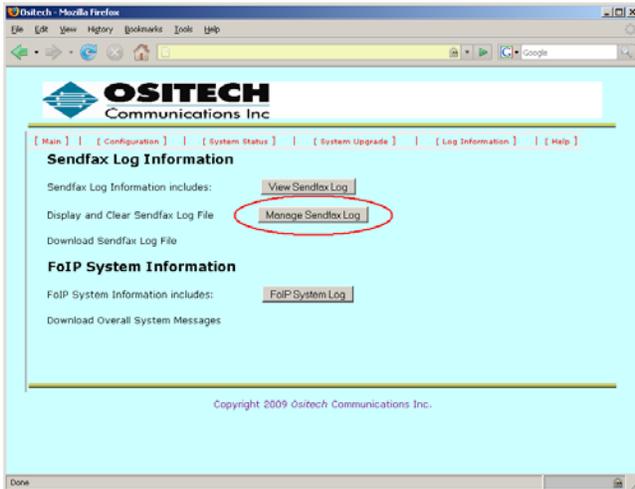
The Sendfax Log Information that is available consists of two options, View Sendfax Log and Manage Sendfax Log.

If you wish to view your Sendfax log, click the View Sendfax Log button. You can examine this log for troubleshooting purposes, as it contains detailed information regarding each of the fax jobs it has processed. The various informational fields contained in the Sendfax log are as follows: Fax File (JOB), Date Fax Received (RECD), Time Fax Received (RECT), IP Address of client (IP), the username of the PC Card client that originated the fax job (USERNAME), the Server ID (S-ID), firmware revision of PC Card Client (FIRMWARE), PC Card Client ID (C-ID), Destination Fax Telephone Number (TELE#), the modem that was used (MODEM), Date Fax Sent (SENDT), Time Fax Sent (SENDT), the amount of attempts it took to send the fax (TRIES), and the result of the transmission (RESULT).

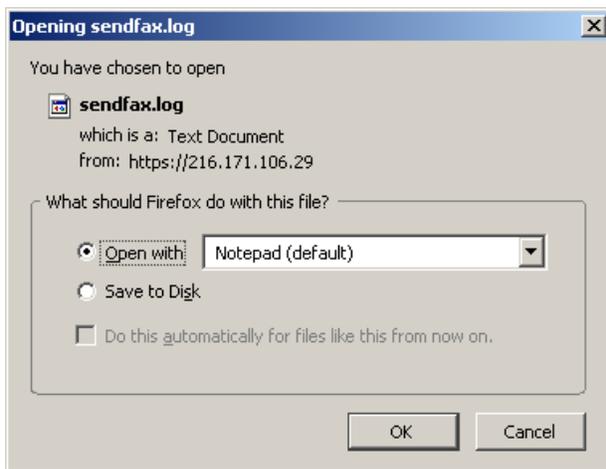
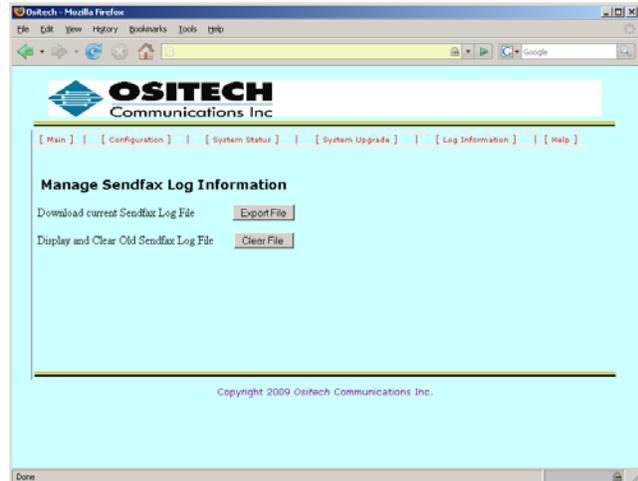


Since the FoIP Gateway server is in continuous operation, you may click the Refresh File button to observe the latest entries in the Sendfax log that may have occurred.

If you would like to manage your Sendfax log, please click the Manage Sendfax Log button.

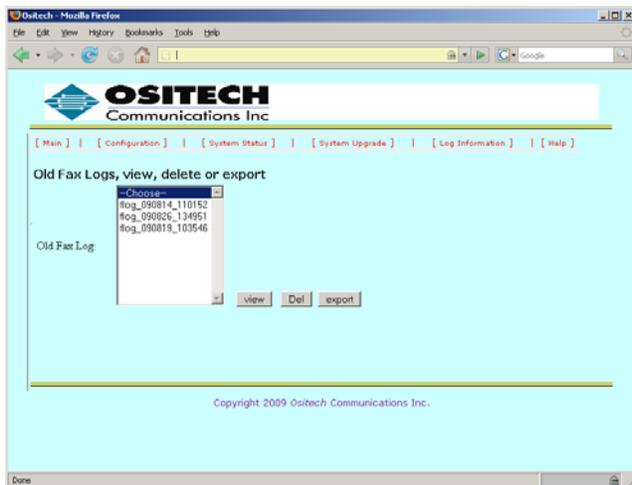
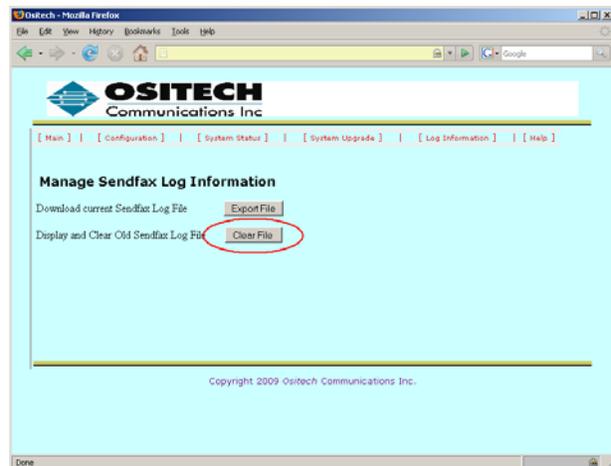


The Manage Sendfax Log Information window appears, and you now have two options to select from. From here, you can Export the current Sendfax log file, and as well Clear any older Sendfax log files on your system.



If you wish to save an external copy of the current Sendfax log file, click the Export File button, and you will be prompted for the location you wish to save the copy of the Sendfax log to. The Sendfax log file is a simple text file, and to view it, merely double click the file and view it after it has been exported. Once you have exported the Sendfax log file, the current Sendfax log file is deleted, and a new Sendfax log will begin.

To view and manage previous Sendfax log files that have been backed up, click the Clear File button to access that menu.



You will now observe a list of previous Sendfax log files that are user manageable. With your previous Sendfax log files, you are now able to View, Delete, and / or Export each of them.

If you wish to view a specific Sendfax log file, select which log file you wish to view and then click the View button. The window will now display the Sendfax log file that you have selected. Please be aware, once you view the Sendfax log file, it will be cleared automatically.

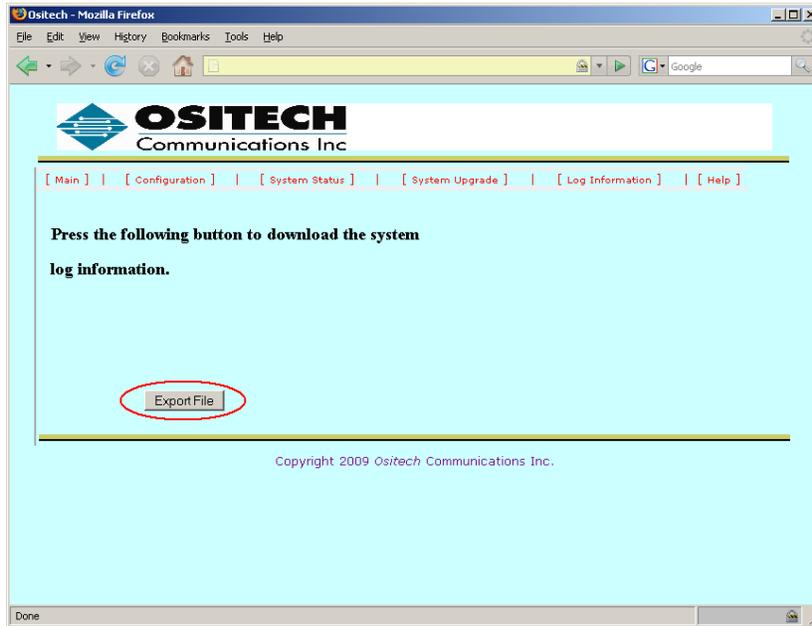
If you wish to delete a specific Sendfax log file, select which log file you wish to delete, then click the Del button, and it will be removed from your list of selections.

If you wish to export a specific Sendfax log file, select which log file you wish to export, then click the Export button, and you will be prompted for the location where to save the file.

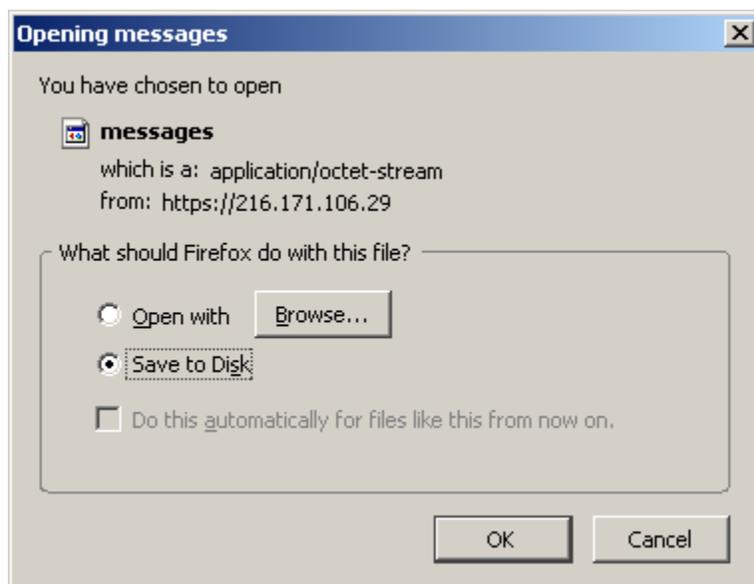
## 4.7.2 FoIP System Information

If you wish to view your FoIP System , click the FoIP System Log button. You can examine this log for troubleshooting purposes, as it contains detailed information regarding system level events that have occurred.

At this point, you are now presented with the option to Export the FoIP System Log. Click the Export button to begin the export process.



You will now be prompted for a destination location to save this file. Click OK and select the destination of your choice. The FoIP System log file will now be saved to the location of your choice, and you may view it at your convenience. To note, this log file may be huge, and may take a few moments to open for viewing.



## 4.8 Help

The Help tab contains all the contact information for Ositech. This includes the telephone number to dial for technical support, as well as the hours of technical support, and the email address of the Technical Support Team. Should you have any questions, concerns, or problems, feel free to contact Ositech Technical Support during our business hours.

