# RC4000 Graphical User Interface Appendix

for RC4000

1.0 Graphical GUI Overview

The graphical GUI interface can be accessed by typing the IP address of the ACU into the address bar of a web browser. The default IP address is 192.168.1.1.

This appendix describes the various screens available through the web-based graphical GUI. The GUI is made up of a single user interface page. This page consists of multiple forms of feedback of antenna status and ACU status. It also consists of multiple forms of control of the ACU and antenna positioning. Sub-pages will be displayed when there is additional information that needs to be displayed or retrieved from the user, during these times the main GUI page is "grayed-out" and cannot be changed until the sub-page is exited.





## 2.0 User Interface

## 2.1 Antenna Positions



The bottom center of the main page shows the current status of the Azimuth, Elevation and Polarization antenna positions. There are both graphical and numerical representations of the positions for each axis. These positions are continuously updated while the antenna is being manually or automatically jogged.

## Alternate position displays

By clicking on the axis name ("Azimuth" or "Elevation") the displayed position will change to one of a number of alternative displays. The default displayed position for the Azimuth axis is degrees relative to the Azimuth reference position (generally the Azimuth stow position.) The default displayed position for the Elevation axis is the angle in degrees above/below the horizon based upon the inclinometer.



For this antenna type and software version, the Polarization axis does not have any alternative displays available. The current display shows that the Polarization axis is defines as Ka-Band, Circular Polarization.

The following are the available alternative position displays for Azimuth and Elevation. The Polarization axis does not have any alternative displays for this antenna type.



Azimuth Magnetic Heading Azimuth T

Azimuth True Heading



## **Elevation Count Value**



## 2.2 Manual Jog Controls



The bottom right side of the main page provides a partial keypad for manual jog control of the antenna. These "keys" only have standard jog controls and do not have extended functions as they do on a standard rack-mount keypad. A full description of the functions of the keypad can be found in the baseline RC4000 manual in section 3.1.2.

## 2.3 Satellite Arc Display

The center section of the page is used to display the arc of satellites when the satellite tab is selected.



Select the Satellite tab:



When the mouse is rolled-over a particular satellite in the arc, that satellite's information is displayed in the window above the arc.



# RC4000 Antenna Controller

When you left-click the mouse on a satellite in the arc, the satellite will be colored yellow and will commence in auto-locating that particular satellite.



# 2.4 System Faults

The center section of the page is used to display the status of System Faults.

Select the Warning tab:	



This page displays the status of system faults for: ACU GPS Compass

## 2.5 Automatic Operations

There are six automatic operations available on the left side of the page, including Deploy, Locate, Stow, Track, Recall and Position. (Position is not an automatic operation, but affects the Locate operation.)

Deploy
Locate
Stow
Track
Recall
Position

2.5.1 Deploy

The DEPLOY mode automatically moves to the mount's predefined "deploy" position. The Deploy process is explained in detail in the baseline RC4000 manual in section 3.2.2.1.

Deploy

To perform an automatic Deploy, press the Deploy button.

You must then confirm the automatic Deploy.



2.5.2 Locate

The LOCATE mode performs a calculation of the pointing angle (RC4000 Manual section 4.3.1) to a selected satellite based on the RC4000's estimate of where the antenna is positioned (lat/lon) and oriented (true heading). After the calculation is performed, the user may initiate an automatic antenna movement to locate the selected satellite.

The Locate process is explained in detail in the baseline RC4000 manual in section 3.2.2.3.



To perform an automatic Locate, press the Locate button.

You can choose to locate from the Preset Satellite List. The Preset Satellite List is described in the baseline RC4000 manual in section 3.3.1.1.3.

Lc	Locate Satellite				
NAME: INTEL 1RAB	LONGITUDE: 50.1W				
BAND: Ku	INCLINATION: 0				
NAME: AMC 4	LONGITUDE: 67.0W				
BAND: Ku	INCLINATION: 0				
NAME: AMC 9	LONGITUDE: 83.0W				
BAND: Ku	INCLINATION: 0				
NAME: AMC 16	LONGITUDE: 85.0W				
BAND: Ku	INCLINATION: 0				
NAME: SES 2	LONGITUDE: 87.0W				
BAND: Ku	INCLINATION: 0				
Manual	Cancol				
Manuar	Cancer				

Rather than choosing from the Preset Satellite List, you can select Manual and enter custom satellite data to be used for the Automatic Locate.

Manu	ial L	ocat	e	
Longitude:			w 👻	
Inclination:				
Band:	C	-		
Polarization:	۷	•		
Locate		)	Cancel	

Once the satellite data is selected or entered, press the Locate button for the ACU to begin the Locate process.

#### 2.5.3 Stow

The STOW mode automatically moves to the mount's predefined "stow" position. The Stow process is explained in detail in the baseline RC4000 manual in section 3.2.2.2.

To perform an automatic Stow, press the Stow button.

You must then confirm the automatic Stow.



#### 2.5.4 Track

TRACK mode stores a satellite's information into memory and then begins a Step Track / Memory Track operation on the satellite.

To perform a Track operation, press the Track button.

Before beginning a Track operation, a Locate operation must be performed and the antenna should be peaked up on the target satellite. You will be prompted to confirm that the antenna has been peaked on the satellite before continuing.

TRA	CK
Is the antenna Azimuth, Elevation,	peaked up in and Polarization?
YES	NO

Next, the satellite information must be confirmed. Once the "Track" button is pressed, the controller will being the Tracking operation. The Track process is explained in detail in the baseline RC4000 manual in section 3.2.2.9.

Satellite Name:	G	ALAX	Y 25	
Longitude:	93.	D	W	•
Inclination:				
Band:	Ku	•		
Track		Ca	ncel	

#### 2.5.5 Recall

Satellites which have been stored in the controller's non-volatile memory (via TRACK) can be recalled from the RECALL mode.

Recall To perform a Recall operation, press the Recall button.

If no satellites have been stored through the Track mode previously, the following screen will be displayed.

Recall Track
No previous tracks currently stored in memory.
ОК

If a Track had previously been performed and satellite information had been stored, then the Recall mode will allow the stored satellite(s) to be recalled. Antenna movement to the satellite's stored position will proceed. When the automatic move is complete, the controller will go into Track mode.

2.5.6 Position

The Position mode allows the user to set the latitude, longitude and heading of the vehicle for subsequent use in calculating pointing angles to satellites.



To perform a Move To operation, press the Position button.

The first Antenna Position that may be changed is the latitude and longitude (Lat/Lon). This can be changed in one of two ways: by using the GPS to determine the new latitude and longitude or by Manually entering the data. Once the new latitude and longitude have been entered, press the Save button.

	Antenn	a Pos	ition	
Lat/Lon	Heading	Tilt		
	Use GPS	Ente	er Manually	
La	it: 39 °	01	· N -	
Lo	n: 94 °		· W 🔻	
0			Oracal	
58	ave		Cancel	

The next Antenna Position that may be changed is the Heading. This can be changed in one of two ways: by using the Compass to determine the heading or by Manually entering the data. If the latitude and longitude have already been previously entered and saved, then the MagVar (Magnet Variation) value should already be entered automatically.

	Antenna	a Positi	on
Lat/Lon	Heading	Tilt	
Us	e Compass	Enter N	Manually
	Mag:	175.0	•
N	lagVar:		
	True:	177.0	
Sa	ave		Cancel

When entering the Heading manually, the Magnetic heading can be entered and the ACU will calculate the True heading based on the current Magnetic Variation, or the True heading can be entered directly.

Lastly, the Antenna Position mode allows the platform Tilt to be modified. The Tilt can be changed manually or automatically via the Tilt Sensor.

	Antenna	Posit	ion
Lat/Lon	Heading	Tilt	
Us	e Tilt Sensor	Enter	Manually
	Pitch:		
	Roll:		
S	Save		Cancel

## 2.6 Signal Strength & Lock

There are two signal strength indicators on the right side of the main page. Above the signal strength indicators are two icons that highlight to provide additional status of whether it is ok to transmit and whether an automatic locate has completed.



# 2.6.1 Safe to Transmit

The following icon will highlight when it is safe to transmit with the antenna.



## 2.6.2 Locate Successful

The following icon will highlight when an automatic Locate has been successful.



## 2.6.3 Signal Strength Indicators





The indicator on the right can be toggled through three sources of signal strength by clicking on the signal strength name. The indicator on the left shows only the RF strength.

## 2.7 Maintenance



Configuration can be accessed by pressing the Maintenance button **Example**. This will bring up a new web panel that will provide options for selecting Configuration or Remote Front Panel:

RC4000 M/	AINTENANCE
CAUTION: Actions allow and performance of ante	wed can affect configuration enna system. Ensure prope
Kilowieuge and peri	lission before continuing.
Configuration	Remote Front Panel

The Remote Front Panel is used to replicate the typical front panel controls of a standard rackmount antenna controller. The Remote Front Panel provides a 4x40 character display and a 4x4 keypad just as if the user were operating from the standard front panel. The information presented on the display and the functions of the keypad are described in detail in the baseline RC4000 User Manual.

☐ 192.168.1.1/rcfp ×	
← → C 🗋 192.168.1.1/rcfp	☆ =
1-DEPLOY       2-STOW       3-LOCATE       MENU         0-PEAKUP       0-PEAKUP         7-POSITION       8-SETTINGS       UTC         (d-9)SELECT       MODE>MANUAL       18:43:08         Image: Mescarch Concepts, Inc.         Research Concepts, Inc.         RC4000 Antenna Controller	Mode Pol Scroll A Angle/CT Scroll 7 Scroll 7 Scroll 7 Sat-H El Sat-V Enter Stop Speed Speed Speed Scroll 4 Scroll 7 Speed Stop Speed Scroll 4 Scroll 7 Stop Speed Scroll 7 Speed Scroll 7 Stop Speed Scroll 7 Scroll 7 Scro

The following sections in this appendix describes the various screens available through the webbased configuration interface. The main configuration interface panel has several navigation buttons. Clicking on these buttons will switch between the available pages. Any changes made to the current page must be saved by clicking the Save button before switching to a different page. The Save button will become enabled anytime a change has been detected. Some pages have several expandable panels. These panels can be expanded and collapsed to show or hide various items. There is no need to save when simply switching between panels.

192.168.1.1/config ×				- • ×
← → C □ 192.168.1.1/	config			☆ =
RC4000 Configurat	ion			
System Summary	Satellite Database	System Settings	Advanced	
✓ System Summary				
ACU Firmware: RC4F User Interface Firmw	RR v1.09 E4-GEIBN are: RCM-4KGUI-xx	(DA) BN:8e SN:0 v4.03 BN:SLT2		
Return				

#### 3.0 Configuration Items

The Configuration items set of panels provides screens for setting identifying the firmware versions, viewing and updating the satellite database and changing the performance of the remote front panel screens.

#### 3.1 System Summary

The ACU Firmware version and the User Interface Firmware version is displayed in the following screen.

192.168.1.1/config ×				- • ×
← → C ☐ 192.168.1.	1/config			☆ =
RC4000 Configur	ation			
System Summary	Satellite Database	System Settings	Advanced	
✓ System Summary				
ACU Firmware: RC	4RR v1.09 E4-GEIBN	(DA) BN:8e SN:0		
User Interface Firm	ware: RCM-4KGUI-xx	v4.03 BN:SLT2		
Return				

## 3.2 Satellite Database

A listing of the full satellite database is displayed on the Satellite Database panel. Each satellite entry can be expanded individually. The following screen shows an example full satellite database list.

	_ <b>D</b> _ ×	-
192.168.1.1/config ×		
← → C □ 192.168.1.1/config	Q 🕸 🔳	:
		4
RC4000 Configuration		
System Summary Satellite Database System Settings Advanced		
+ #1 INTEL 1R (50.0W)		
> # 2 AMC 4 (67.0W)		
▶ # 3 AMC 9 (83.0W)		
> # 4 AMC 16 (85.0W)		
> #5 SES 2 (87.0W)		
> #6 GALAXY 28 (89.0W)		
> #7 GALAXY 17 (91.0W)		
+ #8 GALAXY 25 (93.0W)		
> #9 GALAXY 3C (95.0W)		
+ #10 GALAXY 19 (97.0W)		
▶ #11 GALAXY 16 (99.0W)		
▶ #12 AMC 4 (101.0W)		
> #13 AMC 1 (103.0W)		
▶ #14 AMC 15 (105.0W)		
▶ #15 ANIK F1 (107.0W)		
→ #18 GALAXY 18 (123.0W)		
≱19 GALAXY 14 (125.0W)		
→ #20 GALAXY 13 (127.0W)		
Return		
		•

#### 3.2.1 Satellite Configuration

The available entries define the attributes that allow the antenna controller to properly locate and/or track the satellite. Detailed descriptions of these entries can be found in the base RC4000 User Manual.

RC	4000 C	onfigu	ratio	0							
S	System Su	immary	Sat	ellite D	atabase	e S	System Sett	ings	Advanced		
-	# 1 INTEL	L 1R (50	.0W)								
		Satellite Name	Đ		Satelli Longitu	te Ide	Satellite Band	Satel Inclina	ite Satellite tion Polarizatio	Satellite Pol Offset	
		INTEL 1			50.0 W -	•	Ku 👻		° None 🗸	0.0	
	Beaco Polariza	on tion	Beaco Freque	on ncy	Bea Modul	con ation	Beacor Locate				
	Horz		11696	MHz		•	Enabled	•			
			11697	MHz	CW	•	Enabled	•			
	Two-Lin	e Elemei	nt Data								
	Disable	ed 👻									

## 3.3 System Settings

The default IP Address, Subnet Mask, Gateway and Applet Port are shown in the following screen.

□ 192.168.1.1/config ×	_ <b>_</b> ×
← → C □ 192.168.1.1/config	☆ =
RC4000 Configuration	
System Summary Satellite Database System Settings Advanced	
✓ ACU Settings	
IP Address: 192 . 168 . 1 . 1	
Subnet Mask: 255 . 255 . 0 . 0	
Gateway: 0.0.0.0	
Applet Port: 6767	
Save Return	

The interface must be reset if a change is made to any of these settings. After the reset is complete, the web browser will reload the page at the new settings.

The Applet Port is the port on which the antenna controller will use to communicate with the JAVA Applet performing the remote front panel interface. This port must be open and not in use on the target web-enabled device.

NOTE: The remote front panel pages are mechanized as a Java Applet. If Java is not available on the web-enabled device in use, an error will be displayed when attempting to access these pages.

## 3.4 Advanced

The Advanced panel provides options for uploading and downloading firmware to the RC4000.

192.168.1.1/con	fig ×				1 X
< → C □	<b>192.168.1.1</b> /o	onfig			☆ <b>=</b>
RC4000	Configurati	on			
System	Summary S	atellite Database	System Settings	Advanced	
▼ Down	load Configurati	on Data			
Click Sta	Start Download' t	o save ACU config	uration data to a file.		
	d Configuration	Data			
ACUT	irmware				
► User I Return	nterface Firmwa	re			

# 3.4.1 Download Configuration Data

Clicking on the Start Download button will begin a download of the ACU configuration to a text file.

192.168.1.1/config ×	
← → C □ 192.168.1.1/config	☆ =
RC4000 Configuration	
System Summary Satellite Database System Set	ings Advanced
Download Configuration Data     Click 'Start Download' to save ACU configuration data to     Start Download	a file.
<ul> <li>▶ Upload Configuration Data</li> <li>▶ ACU Firmware</li> </ul>	
User Interface Firmware      4kconfig_0_10012014bt	₽ Show all downloads ×

The configuration data text file will look like the following diagram. The configuration data that can be changed in the text file for upload back into the RC4000 is the value immediately following the "=". A description of the entry is to the right of the configuration data.

The configuration data is "240", which describes the Antenna Size as 240cm in diameter.

4kconfig_0_10012014_215056 - Notepad		
File Edit Format View Help		
3.0.0 = 0 3.1.0 = 1 3.2.0 = 2 3.3.0 = 1 3.4.0 = 1 3.5.0 = 2 3.6.0 = 0.0 3.8.0 = 1 3.9.0 = 3 3.10.0 = 240 3.12.0 = 2.50 3.13.0 = 90.0 3.14.0 = 0.0 3.15.0 = $-192.0$ 3.16.0 = 192.0 3.17.0 = 2.5 3.18.0 = 0.2 3.19.0 = 0.20 3.20.0 = 3 3.21.0 = 10431 3.24.0 = 50 3.25.0 = 3 3.26.0 = 1 3.27.0 = 3 3.29.0 = 1 3.30.0 = $-180.00$ 3.31.0 = 1000 3.32.0 = 500 3.33.0 = 4 3.34.0 = 200 3.35.0 = 0 3.36.0 = 100 3.37.0 = 100 3.38.0 = 20 3.39.0 = 250 3.41.0 = 0.0 3.42.0 = 0.0 3.45.0 = 1.23 3.46.0 = 50.00 3.47.0 = 0.0	DEPRECATED_SERIAL_NUMBER_ITEM EXPERT_ACCESS_ITEM INITIAL_MODE_ITEM INITIAL_AZIM_DISPLAY_ITEM GPS_PRESENT_ITEM COMPASS_PRESENT_ITEM COMPASS_OFFSET_ITEM TILT_COMPENSATION_ITEM SIMULTANEOUS_DRIVE_ITEM ANT_SIZE_ITEM AZIM_ZERO_VOLT_ITEM AZIM_SCALE_FACTOR_ITEM AZIM_OFFSET_ITEM AZIM_MIN_LIMIT_ITEM AZIM_MAX_LIMIT_ITEM AZIM_COAST_ITEM AZIM_COAST_ITEM AZIM_COAST_ITEM AZIM_PULSE_FS_THRESHOLD_ITEM AZIM_PULSE_SCAST_ITEM AZIM_PULSE_GOAST_ITEM AZIM_PULSE_MAX_RETRY_ITEM AZIM_PULSE_MAX_RETRY_ITEM AZIM_PULSE_MAX_RETRY_ITEM AZIM_PULSE_COAST_ITEM AZIM_PULSE_COUNT_REVERSED_ITEM AZIM_PULSE_COUNT_REVERSED_ITEM AZIM_SLOW_DEADBAND_ITEM AZIM_SLOW_DEADBAND_ITEM AZIM_SLOW_DEADBAND_ITEM AZIM_SLOW_DEADBAND_ITEM DRIVE_AZ_CL_ITEM DRIVE_AZ_SLOW_ITEM DRIVE_AZ_SLOW_ITEM DRIVE_AZ_SLOW_ITEM AZIM_STOW_ITEM AZIM_STOW_ITEM CRIVE_AZ_CRELITEM AZIM_STOW_ITEM DRIVE_AZ_CEL_ITEM DRIVE_AZ_CEL_ITEM DRIVE_AZ_CEL_ITEM AZIM_STOW_ITEM DRIVE_AZ_CEL_ITEM DRIVE_AZ_CEL_ITEM CRIVE_AZ_CECL_ITEM AZIM_STOW_ITEM DRIVE_AZ_CECL_ITEM	
		r

# 3.4.2 Upload Configuration Data

Configuration data that has previously been saved or modified in a text file can be uploaded into the RC4000.

🗅 192.168.1.1/config 🛛 🗙				
← → C 🗋 192.168.1	.1/config			☆ =
RC4000 Configu	ration			••••••••••••••••••••••••••••••••••••••
System Summary	Satellite Database	System Settings	Advanced	
► Download Config	juration Data			
	ation Data			
Choose a file and Choose File Start Upload	click 'Start Upload' to lo	ad ACU configuration	data.	
→ ACU Firmware				
► User Interface Fin	mware			
Return				

Press the Choose File button, select the appropriate file to be uploaded (.txt file type). The screen should now look like the following diagram. Verify that the text file you have chosen is the same as is shown to the right of the Choose File button.

	~ ~ -
C - C 192.168.1.1/coning	= [يز
	<u></u>
RC4000 Configuration	
System Summary Satellite Database System Settings Advanced	
► Download Configuration Data	
Upload Configuration Data	
Choose a file and click 'Start Upload' to load ACU configuration data.	
Choose File 4kconfig_0_10012014_215056.txt	
Start Upload	
► ACU Firmware	
▶ User Interface Firmware	
Return	

Press the Start Upload button. The panel will change to show the status of the upload process. Once the upload is complete, press the Done button. You will see that you are directed back to the System Summary panel.

192.168.1.1/config ×	
← → C 🗋 192.168.1.1/config	☆ <b>=</b>
Uploading Remote File	
WARNING: Do not disconnect power during this process.	
Upload complete390 items saved.	
Done	

## 3.4.3 ACU Firmware

An ACU Firmware hex file can be uploaded.

192.168.1.1/config ×				
← → C 🗋 192.168.1.	1/config			☆ <b>=</b>
RC4000 Configur	ation			
System Summary	Satellite Database	System Settings	Advanced	
▶ Download Configu	uration Data			
<ul> <li>Upload Configura</li> </ul>	tion Data			
✓ ACU Firmware				
Choose a file and o	click 'Start Update' to begir	ACU firmware up	date.	
Choose File	No file chosen			
Start Update				
▶ User Interface Firm	mware			
Return				

Press the Choose File button, select the appropriate file to be uploaded (.hex file type). The screen should now look like the following diagram. Verify that the hex file you have chosen is the same as is shown to the right of the Choose File button.

192.168.1.1/config >				
⇒ C 🗋 192.168.1	.1/config			53
RC4000 Configu	ration			
System Summary	Satellite Database	System Settings	Advanced	
► Download Config	juration Data			
▶ Upload Configur	ation Data			
Choose a file and	click 'Start Update' to be	egin ACU firmware up	odate.	
Choose File	RC4RR-E4-GEIBN_v1.(	09_bn8e_0.hex		
Start Update				
→ User Interface Fi	mware			
Return				

Press the Start Upload button. The panel will change to show the status of the upload process. Once the upload is complete, press the Done button. You will see that you are directed back to the System Summary panel.

192.168.1.1/config ×		
← → X 🗋 192.168.1.1/confi	9	☆ =
Uploading Remote File WARNING: Do not disconnect por Loading ACU firmware	wer during this process.	
Done		
Uploading (37%)		

## 3.4.4 User Interface Firmware

A User Interface Firmware file can be uploaded.

192.168.1.1/config ×				
← → C 🗋 192.168.1	.1/config			☆ =
RC4000 Configur	ation			
System Summary	Satellite Database	System Settings	Advanced	
<ul> <li>Download Config</li> </ul>	uration Data			
▹ Upload Configura	tion Data			
► ACU Firmware				
✓ User Interface Fin	mware			
Choose a file and Choose File Start Update	click 'Start Update' to be No file chosen	egin user interface firr	nware update.	
Return				

Press the Choose File button, select the appropriate file to be uploaded (.rfi file type). The screen should now look like the following diagram. Verify that the hex file you have chosen is the same as is shown to the right of the Choose File button.

2.168.1.1/config ×	1/200			
G 192.168.1	.1/config			2
RC4000 Configu	ration			
System Summary	Satellite Database	System Settings	Advanced	
► Download Config	uration Data			
▶ Upload Configura	ation Data			
► ACU Firmware				
	тware			
Choose a file and Choose File	click 'Start Update' to be RCM-4KGUI-xx_SLT2.r	egin user interface firr fi	nware update.	
Start Update				
Return				

Press the Start Upload button. The panel will change to show the status of the upload process. Once the upload is complete, press the Done button. You will see that you are directed back to the System Summary panel.

192.168.1.1/config ×		
← → X 🗋 192.168.1.1/config	9	☆ =
Uploading Remote File		
WARNING: Do not disconnect pov	ver during this process.	
Loading UI firmware		
Dane		
Uploading (15%)		

3.0 ACU Firmware Upgrade Walkthrough

This walkthrough provides step-by-step instructions to allow a typical ACU firmware upgrade to be performed successfully. Please follow ALL steps in the procedure. Skipping steps or performing out of sequence can cause an unsuccessful upgrade that may present problems later when using the ACU with an antenna.

# ACU Firmware Upgrade Walkthrough

1. Go to the RC4000 Configuration page (for example, type 192.168.1.1/config into the web browser's address bar.)

2. Click on the "Advanced" tab and "Download Configuration Data", follow steps in section 2.4.1.

3. Click on the "ACU Firmware" panel. Follow the steps provided in section 2.4.3 to download the new ACU Firmware file into the ACU.

Reset System Data

4. Go to the RC4000 Remote Control Front Panel (for example, type 192.168.1.1/rcfp into the web browser's address bar.)

5. Navigate to the Reset Defaults CONFIG menu (refer to the RC4000 baseline manual for detailed information on navigating the menus in the RC4000.) A quick reminder is to hold the MODE key for about 5 seconds until the screen changes to CONFIG, make sure the Expert Access is set to Super User Mode, scroll through the CONFIG screens to the RESET DEFAULTS screen and then type the RESET DEFAULTS code.

6. After Reset Defaults has been completed, go back to the RC4000 Configuration page (192.168.1.1/config).

7. Click on the "Advanced" tab and "Upload Configuration Data". Follow the steps provided in section 2.4.2.

The firmware upgrade is now complete.

Revision History:

Rev	Date	Initials	Description
А	12/19/14	JDK	Initial release.