FIRMWARE UPGRADE ON AN RX8200

Before attempting an upgrade, please ensure that the configuration procedure of an RX8200 is well understood. The procedure for upgrading the firmware on this receiver will not necessarily remove the configuration parameters of the unit, but you may wish to be familiar with how the unit should be configured before attempting such an upgrade.

Upgrade Software

 A copy of the latest version of software for satellite decoders can be found on a WNE client that has been connected to a satellite feed for more than 24hrs under the following folder location: D:\Reuters_Engineering.

Files contained within these locations will be of a format RX8200_x.x.x.zip, where x.x.x is the latest version of firmware. The files contained within this zip should contain the following files:

- vx.x.x.bin
- RX8000_x.x.x_external.pdf
- update1rx8000.bat
- updaterx8000.bat

Upgrade Procedure

1. Select the **About** tab on the top right hand side of the page and note the software Flash Bank that is currently in operation. You will see either (**Bank 1**) or (**Bank 0**).

 172.16.2.20 							C 🧕				Go		2	
ERICSS	RX82	00 -625-Lon	don											About
Status	Device Info	Alarms	Customization	CA	Input	Service <i>plus</i>	Decode	Output	Download	SNMP	Presets	Save/Load	Help	
S S	tatus lefresh													
Testi Relea	bed-625-Londo	on (Bank 1)	1											
Сору	right (c) Ericsso	n AB. All rig	hts reserved.											
		(ок											

Figure 1. Checking Active Flash Bank.

2. Navigate to the **Save/Load** tab and scroll to the bottom of the page.

ERICSS	ON	RX82 RX8200	00 I-Testbed-	London										
Status	Devi	ce Info	Alarms	Customization	CA	Input	Service <i>plus</i>	Decode	Output	Download	SNMP	Presets	Save/Load	Help
Con	figu	ation	down	load and up	loac	1								
This pi time,	roduct	suppor	ts downlo	oad and upload (of cor	nfigurat	ion files. The	se files ac	t as "sna	pshots" of t	he runr	ning confi	gurations ar	id can be
Save	Conf	igurati	on to Fil	le										
		→ 	To sav using. You wi Right (Right (e the current (ru ill then be promp Click to Save Click to Save (w	unnin oted f ith pa	g) confi ior a file aramate	iguration, mo ename and a er names)	ve the mo	ouse poin	ter over the	e link bi	elow, righ	it-click and s	elect "S
Resto	ore C	onfigur	ation fr	om File										



3. In the example above, as the 'active' Flash Bank is 1 we want to install the upgraded firmware into the other Flash Bank (i.e. Bank 0) Scroll down this page until you locate the **Store New Software Application 0 File**. This will present us with the access route to Bank 0.

ERICSSON	RX8200 RX8200-Testbed-London	About
Save Qua	To save the current quality Logs file click on the link below. You will then be prompted for a filename and a place to store the file.	
	W Software Application 0 File Use the form below to upgrade the receiver. The new code will be running only once the receiver is rebooted. You can upgrade the Receiver by sending a 'software' file to the Receiver. The receiver will then need to be rebooted. File: Browse. Upload	-
Store Ne	w Software Application 1 File Use the form below to upgrade the receiver. The new code will be running only once the receiver is rebooted. You can upgrade the Receiver by sending a 'software' file to the Receiver. The receiver will then need to be rebooted. File: Browse. Upload	

Figure 3. RX8200 Bank 0

4. Click on the Browser button and locate the firmware upgrade v**x.x.x**.bin file where ever it's stored on the connected WNE Server or on a USB memory key.

	RX8200 RX8200-Testbed-London	About
Save Qu	ality Logs File	^
	To save the current quality Logs file click on the link below. You will then be prompted for a filename and a place to store the file. Right Click to Save	
Store Ne	w Software Application 0 File	
	Use the form below to upgrade the receiver. The new code will be running only once the receiver is rebooted. You can upgrade the Receiver by sending a 'software' file to the Receiver. The receiver will then need to be rebooted. File: Location:\\Firmware.bin Browse Upload	
Store Ne	w Software Application 1 File	
	Use the form below to upgrade the receiver. The new code will be running only once the receiver is rebooted. You can upgrade the Receiver by sending a 'software' file to the Receiver. The receiver will then need to be rebooted. File: Browse. Upload	

Figure 4. RX8200 Bank 0 Firmware Upload.

- 5. Click on the upload button to apply the new firmware version.
- 6. Once the image has uploaded, you should briefly see a Green status in the **Result** window at the bottom of the browser page for a few seconds.
- 7. This confirms that the RX8200 has successfully loaded the new firmware into Flash Bank 0.
- 8. As the RX8200 was operating within **Flash Bank 1** when the upgrade started, a reboot is required to change into **Flash 0**. This is can be done in one of two ways:
 - a. Reboot the receiver while at the same time holding down the left push button until the LCD displays that it has successfully cycled into the other flash bank.
 - b. Via an FTP process to configure a switch between Flash Banks.

FTP Flash Bank Swap

- 1. Open a DOS window within Windows and type ftp 172.16.2.20 (i.e. the Mgmt Address of CONTROL 2).
- 2. The username and password for accessing the RX unit is *rx8000/rx8000*.
- 3. Once you are successfully into the receiver, the command to switch between flash banks is **quote site swap**.
- 4. Once you hit return after typing this command the receiver will automatically reboot into the alternative Flash Bank.

📾 C:\WINDOWS\system32\cmd.exe - ftp 172.16.2.20	
Microsoft Windows [Version 5.2.3790] (C) Copyright 1985-2003 Microsoft Corp.	-
C:\Documents and Settings\startup>ftp 172.16.2.20	
Connected to 172.16.2.20.	
220 888000 unit ready for user User (172.16.2.20:(none)): rx8000	
331 Password required for user rx8000.	
Password:	
230 User logged In. ftn> guote site swan	
200 Swapping and Resetting Unit	
221 Closing connection goodbye.	
ftn>	

Figure 5. RX8200 FTP Access

5. Close the BOS window and wait for the RX8200 unit to reboot.