NextGen RF Firmware Upgrade Procedure and Cloning a Viper SC or SC+ Only

!!!!!!!!Please Read before upgrading!!!!!!!

This procedure details how to upgrade <u>only the Viper SC and Viper SC+</u> modem and radio firmware. This procedure <u>cannot be used</u> to upgrade a <u>non-Viper SC</u>. Please refer to the non-Viper SC firmware upgrade procedure. **Damage to a <u>non-Viper SC</u> can occur** if you try to use this procedure and files intended for a Viper SC or SC+.

Home	Unit Status	RF Status Basic Settings
Unit Ide	entification and Status	
	Station Name	NoName
	Model Number	140-5018-502
	LAN IP Address	192.168.205.1
	LAN MAC Address	00:0A:99:80:8E:E4
	Untime	2.00.23.14
	Modem Firmware Version	NextGenRF Viper (HW:PCB-280-03470) (CodeBase:lpr_3.15_R202104281100_SC_ONLY)
	Unit Status	Ck
	IP Forwarding Mode	Bridge
	Station Mode	Remote
	DC Input Voltage	13.7 V
	Transceiver Temperature	38.0 C
	VPN Status	Not ready, vpn service disabled
		Refresh Acknowledge Unit Status

Viper Sc and SC+ Will have CodeBase:ipr 3.XX_R

Non-SC Vipers will have *CodeBase:ipr 1.XX_R*, please always double check the version before proceeding.

Note: When upgrading Vipers in a redundant base station always ensure the base station is locked in manual mode so that each Viper can be upgraded one at a time. Failure to put the base station in manual mode may result in a base station switching to the non active Viper during the upgrade procedure causing permanent damage to the Viper being upgrade.

Viper SC and SC+ Firmware Upgrade Procedure

Note: The Viper SC and SC+ has the same procedure and go forwarded in this document will be only referred to as Viper SC.

The Viper SC has an internal file system that the Viper's operating system accesses to display web pages and to perform operational tasks. The Viper's operating system it's self is contained in the Viper's file system. The Viper's firmware can be upgraded by transferring new files in to the Vipers file system. The file transfer protocol (FTP) is used to transfer the files required to upgrade the Viper. A FTP utility must be used to transfer these files to the Viper. Any FTP utility can be used including the Windows DOS FTP utility, Filezilla, however NextGen RF recommends using FTP Commander. The FTP Commander has a free download on their web site that the user can download.

NextGen RF will provide the user with a firmware upgrade folder that will contain all the files required to upgrade the Viper's firmware. The user should store the upgrade folder to a known location on their PC.

The user must ensure they can connect to the Viper's web pages by either the default Viper LAN IP address of 192.168.205.1 or the current Viper's LAN the user has programmed in.

The user must set their PC Network Interface Card (NIC) up to ensure their PC is on the same subnet.



Set the user's PC NIC to the same subnet as the Viper being upgraded.

Once the user can access the Viper's web page start the FTP utility application.



FTP Commander Utility

FTP Commander 8.02	Freeware Version. Co	pyright, Interne	etSoft Corpora	ition, 1997-20	010 http://www.internet-soft.com	m			
Connection Local Com	puter FTP - Server	About							
			F	TP Cor	nmander				
<u>C</u> onnect	<u>D</u> isconnect	<u>S</u> top Transfe	r	http://www.i	nternet-soft.com				
			Loc	al computer					
	1		1		ايچ			1	>
MakeDir	Renam	e	Delete	•	View		_	New Server	<u>P</u> roperties
🔳 c: [windows] 💌 🐑	Filename	Size	Date	Time		^		SERVEN LIST	
	affiliat.txt	284	01.12.2006	10:27				P 172 16 0 1	
Program Files (x86)	Answer.txt	19	05.05.2021	17:12				192 168 205 1	
📂 FTP Commander	Arabic.lan	13 418	12.07.2006	08:44				Apple Computer	
	Brazil.lan	14 639	12.07.2006	08:44				Books - Addison Wesley	longman
	Bulgarian.lan	15 243	12.07.2006	08:44				Government - Federal Co	mmunication Commission
	Catalan.lan	14 915	12.07.2006	08:44				Government - SEC	
	Cesky.lan	14 628	12.07.2006	08:44				Hardware - 3Com	
	Chinese.lan	13 082	12.07.2006	08:44				Hardware · Compag Com	outer
	commands	140	05.05.2021	20:03				Hardware - Dell Compute	1
	Czech.lan	14 603	12.07.2006	08:44				Hardware - Intel	
	Danish.lan	14 338	12.07.2006	08:44				Hardware - Lexmark Inter	national. Inc.
	Dutch.lan	14 658	12.07.2006	08:44				Hardware - NEC USA. In	C.
	French.lan	14 672	12.07.2006	08:44				Hardware - U.S. Bobotics	Inc
	ftp.log	24 046	04.12.2006	10:08				Hardware · ZvXel	,
	ftpcomm.exe	1 246 208	21.05.2010	10:02				Internet Help - InterNIC	
	Ftplist.txt	6 352	05.05.2021	17:12				Internet Help - USENET I	FAQ List
	Ftpnav.hlp	50 211	03.07.2003	12:19			1	Linux - Red Hat Linux	
	German.lan	14 777	12.07.2006	08:44			=>	Linux - Sun Microsystems	
	Hungarian	14 818	12.07.2006	08:44				🛅 Linux - Sunsite Linux Arch	hives
	Celandic.lan	14 700	12.07.2006	08:44			4	Microsoft	
	ltaliano.lan	14 601	12.07.2006	08:44				Sites for Programmers - S	oftware Development
	Korean.lan	13 709	12.07.2006	08:44				Software Sites · Archived	Sites - Lysator Acedemic
	language.lan	14 039	12.07.2006	08:44				Space Information - Space	e Information
	License.txt	654	12.12.2005	05:19				Sports Sites - Sports FAQ	\$
	Macedonia	15 601	07.04.2009	07:15				Supercomputers - Crav B	esearch, Inc
	Norwegian	14 642	12.07.2006	08:44					

FTP Start UP Screen

Click on the New Server button and enter in the basic information required such as User ID, Password, Name, and FTP Server. The FTP Port number must be 21. In this example, see the below entries. NextGen RF recommends using the FTP Server IP address also as the Name.

User ID: Admin

Password: ADMINISTRATOR

Name: 192.168.205.1

FTP Server: 192.168.205.1

Then Click the Save button.

1		FTP Co	mmander	8.02 Freew	are Version. C	opyright, Inter	rnetSoft Corporation, 1997	-2010 http://www.inte
Connection Local Com	nputer FTP - Server	About						
connect	Disconnect	Stop Transfe	r	FTP Cor http://www.i	mmander nternet-soft.com			
		Local	computer					
🧱 MakeDir	Rename	🗑 Delete		a View			C New Server	Properties
	Filename	Size	Date	Time		^	SERVER LIST	
	affiliat.txt	284	01.12.2006	09-27			<u></u>	
Program Files (x86)	Answer.txt	19	14.02.2013	(9)		FTP Ser	ver Properties	_ 🗆 🗙
FTP Commander	Arabic.lan	13 418	12.07.2006					
	📄 Brazil.lan	14 639	12.07.2006					Cancel 🚾 Save
	📄 Bulgarian.lan	15 243	12.07.2006	ante S			×	
	📄 Catalan.lan	14 915	12.07.2006	Server		Us	er	
	Cesky.lan	14 628	12.07.2006	Name	192,168,205,1		Liser ID Admin	
	Chinese.lan	13 082	12.07.2006	FTD C				
	commands	140	14.02.2013	FTP Server	192.168.205.1		Password ADMINISTRATUR	
	Czech.lan	14 603	12.07.2006	FTP Port	21		Passive Mode	
	Danish.lan	14 338	12.07.2006				Save Password	
	Dutch.lan	14 658	12.07.2006				Maak Baseword	
	French.lan	14 672	12.07.2006					
	ftp.log	24 046	04.12.2006					
	ftpcomm.exe	1 246 208	21.05.2010				Anonymous Login	
	FTPDIR15	0	05.02.2013				E-Mail	
	FTPDIR22	1 528	05.02.2013				,	
	Ftplist.txt	6 786	14.02.2013	FTP Server Re	esponse Type			
	Ftpnav.hlp	50 211	03.07.2003	Default		-		
	German.lan	14 777	12.07.2006					
	Hungarian	14 818	12.07.2006					
	Celandic.lan	14 700	12.07.2006					
	Italiano.lan	14 601	12.07.2006	07.44				
	Korean.lan	13709	12.07.2006	U7:44			Citos for Drogrammore Cof	huoro Douoloomont

This will add a new server to the list to choose from on under the Server List on the right panel. Highlight the new server just added. The user can modified the server properties to upgrade multiple Vipers or just add new servers.

() ()			FTP C	ommander	8.02 Free	ware Version.	Copyright,	Intern	etSoft Corporatio
Connection Loca	l Com	puter FTP - Server	About						
2			0		FTP Co	ommande	er		
<u>C</u> onnect		Disconnect	<u>S</u> top Transf	er	nttp://www	w.internet-sort.com			
			Loca	l computer					
			1		- 6				- E
MakeDir		Rename	Delete	1	View				New Server
🖃 c: [os] 🔹	1 en	Filename	Size	Date	Time			^	SERVER LIST
		📄 affiliat.txt	284	01.12.2006	09:27				Pa1111
🕞 Program Files (x8	86)	Answer.txt	19	14.02.2013	14:27				172 16 0 1
👝 FTP Commande	er	🔄 🗋 Arabic.lan	13 418	12.07.2006	07:44				172 172 24 41 66
		🔄 🗋 Brazil.lan	14 639	12.07.2006	07:44				192 168 205 1
		🔄 🗋 Bulgarian.lan	15 243	12.07.2006	07:44				192 168 206 1
		Catalan.lan	14 915	12.07.2006	07:44				132.100.200.1

Viper Server 192.168.205.1 Selected

Click on Connect button to read all the files that are currently in the Viper SC. The FTP Commander will try to connect to the Viper SC via the PCs Ethernet LAN 45 connection. The user's PC must be on the same subnet as the Viper SC. In this example the PC's IP LAN connection is 192.168.205.100.

If FTP Commander connects successfully, then the right panel of the FTP utility will be populated with the listing of all the files in the Viper SC.



Files in the Viper SC

In this example the Viper's upgrade folder containing all the files to upgrade have been stored on the C:\ drive at the location shown below.

ģ		FTP Comma	ander 8.02	Freeware Ve	rsion. Co	pyright, Internet	Soft Corporation, 1997	7-2010 http://www.in	ternet-sof	t.com			
Connection Local Computer FTP - Se	ver /	About											
Connect Disconnect	9	🤕 Stop Transfer	FTP http:/		nder off.com								
		Local comp	uter						FTP Serv	ers			
MakeDir Hename	_	0 Delete	e Vie	. w			New Server	Properties	🧱 MakeDii		Rer	Aname	
📼 c: [os] 🔹	r L	Fename	Size	Date	Time	^	192.168.205.1						
	_	.calibration	44	18.01.2013	17:09		Filename		Size	Date	Time At	tribute	Links
CalAmp		. distribution	23	19.01.2013	17:09		192.168.207.1_rfmac800	003_Remote2_DemoJPL.drp	22 449	01.10	14:33 -rv	v-f	
New Firmware		AFS Ener	3 236	18.01.2013	17:09		AccessCtl.html		7 894	01.01	-14	v-f	
Wiper FAMA_PBOD_V3.5_B2013010	2160	autostartiP	7.028	18.01.2013	17:09		AES_Encryption.html		3 236	01.10	12:01 -rv	V-f	
		autostart.rc	68	18.01.2013	17:09		alarmSet.html		2 591	01.01	-14	v-f	
		b.aif	43	18.01.2013	17:09		Answer.txt		19	01.10	12:14 -rv	V-f	
		BADRed.h	2149	18.01.2013	17:09		autostart-iPR.rc		7 028	01.10	12:00 -rv	V-f-X	
		BasicSettin	4 426	18.01.2013	17:09		autostart.rc		68	01.01	-14	V-f-X	
		BcastMcas	9 370	18.01.2013	17:09		📋 b.giř		43	01.10	12:05 -rv	4-f	
		BIKEnter is	1 481	18.01.2013	17:09		BADRed.html		2 1 4 9	01.10	12:05 -rv	¥-[
		bridge mo	146	18.01.2013	17:09		BasicSettings.html		4 426	01.10	12:01 -rv	¥-[
		bridge mo	148	18.01.2013	17:09		BcastMcast.html		9 370	01.10	12:01 -rv	V-[
		bridge mo	145	18.01.2013	17:09] BlkEnter.js		1 481	01.10	12:01 -rv	v-[
		bullet of	842	18.01.2013	17:09		L) bridge_mode_high_reliabi	lity.drp	146	01.10	12:06 -rv	4-f	
		clear html	1 254	18.01.2013	17:09		bridge_mode_low_latency	y.drp	148	01.10	12:06 -rv	v-f	
		ComPort html	29 185	18.01.2013	17:09		bridge_mode_mid_reliabili bridge_mode_mid_reliabili	ty_latency.drp	145	01.10	12:06 -rv	v-f	
		ConfigCont	7 104	18.01.2013	17:09		🗋 bullet.gif		842	01.10	12:06 -rv	v-r	
1		contiguorit	7 104	10.01.2013	17:05		ID		***	~ ~			

Viper Upgrade Folder Location

Once the folder has been selected, click on a single file then *right click and to select all the files in the upgrade folder sent by NextGen RF*. <u>All the files</u> should be highlighted in the left panel of the FTP utility as shown above. Click on the arrow pointing to the right to start the FTP process as shown above.

The user will be asked to Overwrite all the files. The user must select all.

o 8 3 9	18.01.2013 18.01.2013 18.01 18.01	01.2013 17:09 alarmSet.html .01.2013 17:09 Answer by .01 .01 .01 Sending .workorder.drp (27 bytes)							
6			Rew	rite Files Pr	ompt				
1 6	File already ex AES_Encryptic	ists ! on.html							
8				Overwrite the fi	le ?				
2	Resume	Overwrite	All	Skip	Skip All	Save as	Cancel		
4 5 4 4	18.0 18.0 18.01.2013	17:09			usy.gif)		

Overwrite All

A progression popup window will show the files being transferred from the PC to the Viper. The transfer takes about 6 minutes to transfer all the files. When all the files have been transferred, the FTP utility will indicate Transfer Complete in the lower left corner of the FTP window.



File Transfer Complete

This completes the file transfer. The user must now check the Viper to ensure all the files have been transferred correctly. The user must start up a web browser and navigate to the Device Maintenance page, then to the Package Control tab. The Package Control tab will indicate if a file has failed the file check.

Ensure the Results states Pass before resetting the Viper. Do not reset the Viper until all files have passed.

Change default settings (Use	e the SetUp V	Vizard)		HELP	HOME	RESET
Device Maintenance	Config Control	Package Control	Wing Commander	Advanced		
Modem Firmw Radio Firmw	are Version are Version	NextGenRF Viper ((CodeBase:ipr_3.15 ViPR-03_20-R	HW:PCB-280-0347 5_R202104281100	70) _SC_ONLY	()	
200-Package Name: distrib.pk 200-Minor: 15 200-Major: 3 200 Package distrib.pkg is v Result: PASS	g alid	Radio Firmware Upgra	de			

The Package Control will indicate if a file has failed.

If a file fails the test, then the single file can be transferred again or the entire folder can be transferred again. Once all the files have passed the user must also click on the Radio Firmware Upgrade button to also upgrade the Radio firmware which is different than the Viper's modem firmware. The Radio firmware was contained in the files transferred to the Viper. Sometimes the Radio will not need to be updated but clicking on the Radio Firmware Upgrade button will upgrade the file if need be. The user must **Reset** the Viper to complete the Firmware Upgrade process. Click the Reset button then the Reboot button then the OK to complete the Viper Reset and firmware upgrade process

Cloning A Viper's Configuration file (.drp file)

Sometimes a Viper unit in the field must be replaced. It is possible to transfer it's configuration to the new a new radio. The process is very similar to the firmware upgrade procedure just described. The Viper's configuration file is stored with the file extension **.drp**. In this example the configuration was created by the Viper Route Generator application and stored in a project folder.

61					
Connection Local Compute	er FTP - Server	About			
Connect Dis	🙀 sconnect	Stop Transfer	FTP Comm http://www.internet	ander -soft.com	
		Local comp	outer		
nakeDir	(A) Rename	👕 Delete	a View		
🖃 c: [os] 🛛 🔽 🚷	Filename			Size	Date
C:\ CalAmp CalAmp Completes ViperDemo011813	192.168.2 192.168.2 192.168.2 192.168.2 192.168.2 192.168.2 192.168.2	05.1_rfmac800001_Ma 06.1_rfmac800002_Rer 07.1_rfmac800003_Rer 08.1_rfmac800004_Rer 09.1_rfmac800005_Rer 10.1_rfmac800006_Rer	ster1_DemcJPL.drp mote1_DemcJPL.drp mote2_DemcJPL.drp mote3_DemcJPL.drp mote4_DemcJPL.drp mote5_DemcJPL.drp	23 601 22 449 22 449 22 065 22 449 22 449 22 449	19.01.20 19.01.20 19.01.20 19.01.20 19.01.20 19.01.20 19.01.20

Highlight the desired .drp configuration file to transfer to the Viper

In this example the **192.168.205.1_rfmac800001_Master...** file was selected. Connect to the Viper's files as before by selecting the Vipers Server IP address in the FTP Server list.



Click on the Right transfer arrow to transfer the single file to the radio. Once the single **.drp** file has been transferred, navigate to the Device Maintenance page again but use the Config Control tab.

			HELP	HOME	RESET
Change default settings (Use	the SetUp Wiz	ard)			
Device Maintenance	Config Control	Package Control	Wing Comma	nder	
User Configuration S	ettings		·		
O Save Configuration us	sing this name		.drp		
O Import Configuration	from 🛕	bridge mede	high relighilit	u dro	
O Delete Configuration	_	bridge_mode_	_high_reliabilit	y.drp y.drp	¥
Firmware Upgrade Se	ettings	bridge_mode_	low_latency.c	lrp / latency	drn
O Merge settings bundle	ed in upgrade p	pa router_mode_	high_reliability	.drp	urp
Factory Settings		router_mode_ router_mode_	low_latency.di mid_reliability	rp _latency.	drp
O Restore Factory Setti	ngs 🔥	RemoteChess 192.168.207.1	Test3.drp rfmac800003	Remote	2 Demo
Proceed Cancel Not	e: Some operatio	DemoBridgeN	lode.drp rfmac800001	Master1	DemoJ
		,			

In the drop down box select the desired file to import (clone), then click on the Import Configuration from button. Click the Proceed button and this will import the new configuration file to the Viper. The user can now check the new configuration before resetting the Viper. If the configuration is correct, click on the Reset button to complete the clone process. The new configuration will only take affect after resetting the Viper. This completes the cloning process.

Using the DOS FTP Utility to Upgrade the Viper's Firmware

Store the Vipers firmware upgrade folder to a known location. The upgrade files are in the directory shown below.



In this example the FTP_Folder directory is used. Use the **CD** command to change to the required directory. The **CD**. commands backs up one directory at a time.

C:\NGRF\Viper_FAMA_PROD_V3.15_R202104290900_SC_ONLY>_

As before ensure your PC's IP address is on the same subnet as the Viper to be upgraded. Refer to the previous procedure if need be.



```
Administrator: Command Prompt - FTP 192.168.205.1
Microsoft Windows [Version 10.0.19042.985]
(c) Microsoft Corporation. All rights reserved.
C:\WINDOWS\system32>CD..
C:\Windows>CD..
C:\>CD NGRF
C:\NGRF>CD Viper_FAMA_PROD_V3.15_R202104290900_SC_ONLY
C:\NGRF\Viper_FAMA_PROD_V3.15_R202104290900_SC_ONLY>FTP 192.168.205.1
Connected to 192.168.205.1.
220 NextGenRF Viper FTP Ready
500 Unknown command
User (192.168.205.1:(none)): Admin
331 Password required for Admin
Password:
230 Logged in
ftp>
```

```
C:\NGRF\Viper_FAMA_PROD_V3.15_R202104290900_SC_ONLY>ftp 192.168.205.1
> ftp: connect :Connection timed out
ftp>
```

Type the following DOS ftp commands to transfer the files to the Viper:

ftp> prompt (enter key)

ftp> hash (enter key)

ftp> mput * (enter key)

raiauiauii Administrator: Command Prompt - FTP 192.168.205.1 Microsoft Windows [Version 10.0.19042.985] (c) Microsoft Corporation. All rights reserved. C:\WINDOWS\system32>CD.. C:\Windows>CD.. C:\>CD NGRF C:\NGRF>CD Viper_FAMA_PROD_V3.15_R202104290900_SC_ONLY C:\NGRF\Viper FAMA PROD V3.15 R202104290900 SC ONLY>FTP 192.168.205.1 Connected to 192.168.205.1. 220 NextGenRF Viper FTP Ready 500 Unknown command User (192.168.205.1:(none)): Admin 331 Password required for Admin Password: 230 Logged in ftp> PROMPT Interactive mode Off . ftp> hash Hash mark printing On ftp: (2048 bytes/hash mark) . ftp> mput * 200 Port command okav 150 Opening data connection for STOR command (.calibration.drp) 226-File received OK - 44 bytes in 0.005 sec Now writing to flash.... 226 File written to flash - 44 bytes in 1.000 sec ftp: 44 bytes sent in 0.00Seconds 44000.00Kbytes/sec. 200 Port command okay 150 Opening data connection for STOR command (.distribution.drp) 226-File received OK - 29 bytes in 0.000 sec Now writing to flash.... 226 File written to flash - 29 bytes in 1.000 sec ftp: 29 bytes sent in 0.00Seconds 29000.00Kbytes/sec. 200 Port command okay 150 Opening data connection for STOR command (.workorder.drp)

This will transfer all the files in the current ftp directory. It is extremely important to have only the Viper firmware files and no other files in this directory.

Now writing to flash.... 226 File written to flash - 15872 bytes in 1.005 sec ftp: 15872 bytes sent in 0.00Seconds 3968.00Kbytes/sec. 200 Port command okay 150 Opening data connection for STOR command (WCP.html) ##### 226-File received OK - 10376 bytes in 0.045 sec Now writing to flash.... 226 File written to flash - 10376 bytes in 1.000 sec ftp: 10376 bytes sent in 0.01Seconds 1729.33Kbytes/sec. 200 Port command okay 150 Opening data connection for STOR command (Working.html) 226-File received OK - 773 bytes in 0.030 sec Now writing to flash.... 226 File written to flash - 773 bytes in 1.000 sec ftp: 773 bytes sent in 0.00Seconds 773.00Kbytes/sec. ftp> close 221 Goodbye! ftp> _

Once all the files have been transferred type

ftp> close (enter key)

This will close the ftp connection, and then type **quit** to return back to the normal command prompt directory. This completes the DOS FTP procedure.

Ensure that all files have passed as shown below.



Note that this process can also be used to transfer a **single** configuration **.drp** file to clone a Viper as well. Just have only the **single .drp file in the current ftp directory**.

Navigate to the Device Maintenance page. Click on the drop down to display all the current *.drp* configurations currently in the Viper.

• Home	Change default settings (Use th	he SetUp Wi	zard)		neur		REGEI		
Radio Settings	Device Maintenance	onfig Control	Package Control	Wing Commander	Advanced				
RF Network Settings	User Configuration Sett	ings							
Router	O Save Configuration using t	his name		.drp					
> Serial	Right click here and select "S	Save As" to d	ownload the file	e "Current_Confi	guration.d	rp" to yo	ur PC		
Security	O Delete Configuration	-	bridge_mode_high_reliability.drp v						
Device Maintenance	Firmware Upgrade Sett	ings upgrade pacl	bridge_mode_lo	ow_latency.drp	n av dun				
Setup Wizard	Factory Settings		router_mode_h	igh_reliability.drp	ncy.urp				
	O Restore Factory Settings	router_mode_low_latency.drp							
	Proceed Cancel Note: So	me operations	router_mode_m may take a minu	te or so to complet	ncy.drp te				

The following example will FTP the "Current_Configuration.drp" file into the Viper using the DOS FTP. Start up the DOS command prompt again and ensure the Current_Configuration.drp file is in the folder you will use as the FTP source. Then login as before with user name Admin and password ADMINISTRATOR.

C:\NGRF\Viper FAMA PROD V3.15 R202104290900 SC ONLY>ftp	192.168.205.
Connected to 192.168.205.1.	
220 NextGenRF Viper FTP Ready	
500 Unknown command	
User (192.168.205.1:(none)): Admin	
331 Password required for Admin	
Password:	
230 Logged in	
ftp>	

Simply use the type the command "put Current_Configuration.drp". The DOS FTP will send the file to the Viper but will not import it.

C:\NGRF\Viper_FAMA_PROD_V3.15_R202104290900_SC_ONLY>ftp 192.168.205.1
Connected to 192.168.205.1.
220 NextGenRF Viper FTP Ready
500 Unknown command
User (192.168.205.1:(none)): Admin
331 Password required for Admin
Password:
230 Logged in
ftp> put Current_Configuration.drp
200 Port command okay
150 Opening data connection for STOR command (Current_Configuration.drp)
226-File received OK - 30967 bytes in 0.120 sec
Now writing to flash
226 File written to flash - 30967 bytes in 1.000 sec
ftp: 30967 bytes sent in 0.12Seconds 269.28Kbytes/sec.
ftp>

Ensure the file was transferred to the Vipers file system by navigating to the Device Maintenance web page and check the drop down box as shown below.

Home	Change default settings (Use the SetUp Wi	zard)				
Radio Settings						
RF Network Settings	Device Maintenance Config Control	Package Control Wing Commander Advanced				
LAN Settings	User Configuration Settings					
Router	○ Save Configuration using this name	Current_Configurati.drp				
Forial	Right click here and select "Save As" to d	ownload the file "Current_Configuration.drp" to your P				
Security	 Import Configuration from Delete Configuration 	bridge_mode_high_reliability.drp				
Diagnostics	Firmware Upgrade Settings	bridge_mode_nign_reliability.drp				
Device Maintenance	O Merge settings bundled in upgrade pac	bridge_nicde_iow_laterity.trp bridge_mode_mid_reliability_latency.drp router_mode_high_reliability.drp				
Setup Wizard	Factory Settings					
	○ Restore Factory Settings 🛕	router_mode_low_latency.drp				
	Proceed Cancel Note: Some operations	router_mode_mid_reliability_latency.drp Current_Configuration.drp				

If the file has been successfully transferred then click the Import Configuration from button then the Proceed then the Reset button.

					HELP	HOME	RESET			
🕨 Home	Change default settings (U	Ise the SetUp Wi	zard)							
Radio Settings		-								
RF Network Settings	Device Maintenance	Config Control	Package Control	Wing Commander	Advanced					
LAN Settings	User Configuration Settings									
Router	O Save Configuration usi		.drp							
Serial	Right click here and select "Save As" to download the file "Current_Configuration.drp" to your PC									
Security	 Import Configuration f Delete Configuration 	Current_Configuration.drp ~								
Diagnostics	Firmware Upgrade Settings									
Device Maintenance	O Merge settings bundled in upgrade package with current configuration A									
Setup Wizard	p Wizard Factory Settings									
and the second second	O Restore Factory Settings 🛕									
	Proceed Cancel Note: Some operations may take a minute or so to complete									

This will import the configuration selected in the drop down box and complete the import of the .drp configuration file process.