

Appendix A. SOFTWARE UPGRADE

A.1 Introduction

The CMR-6000 is enabled to receive an upgrade via TFTP transmission. Comtech EF Data recommends using the Solarwinds TFTP server application (available at <http://support.solarwinds.net/updates/SelectProgramFree.cfm>) for upgrading the product.



*The user will be instructed whether to select **Application** or **FPGA** or **Redboot** code in the download instructions provided by CEFD when new code is provided.*

Once the TFTP server is enabled and the new file (**Application** or **FPGA** or **Redboot**) has been copied to the TFTP server, use the procedures described in sections A.2 and A.3 to upgrade the unit.

A.2 Web Interface

Access the **Administrative Configuration** menu:

Digicast MediaRouter S2-ASI

HOME	ADMIN	REDUNDANCY	NETWORK	EGRESS	IGMP
UNICAST	MPE/IP	MPEG-TS	SVC FILTER	TUNER	STATS

Tuner Statistics

Lock	Es/No	Eb/No	Power	
P	20.3dB	17.6dB	-46dBm	Refresh

Administrative Configuration

[\[SNMP\]](#) [\[VLOAD\]](#) [\[SYSLOG\]](#)

Unit Name: *

OS Version: eCOS 2.0

App Version: 2.4.2

FPGA Version: 6.0.0.5

User Name: *

Password: *

Confirm Password: *

System Contact: *

System Location: *

Enable Telnet: * ☒

[Submit](#) [Cancel](#) [Reset Unit](#) [Display Config](#)

Press submit to make changes

* Indicates a required field

Update Firmware

Unit TFTP Server IP Address: *

Image Type: *

Enter server IP and select type, then press submit to make changes

* Indicates a required field


[Update](#)

Step 4, Reset

Step 1, Unit TFTP Server IP Address

Step 2, Select Image Type

Step 3, Update

Step	Procedure
1	In the Update Firmware section, enter the Unit TFTP Server IP Address .
2	Select Application or FPGA or Redboot for the Image Type to be upgraded.
3	Select Update . The software update will begin to download.
<div> IMPORTANT</div> <div><i>Do NOT power down the unit during the upgrade process.</i></div>	
4	Once the unit is upgraded, select Reset Unit .

A.3 Telnet or Terminal Interface

Access the **Administration Menu**.

Administration Menu

```

(N) Unit Name.....[cmr5975]
  OS Version.....[eCOS 2.0]
  App Version.....[2.4.1 ]
  FPGA Version.....[4.0.0.12]
(U) Username.....[comtech]
(P) Password.....[*****]
(C) System Contact.....[comtechedata]
(Y) System Location.....[comtechedata]
(I) SNMP server IP address.....[0.0.0.0]
(W) SNMP R/W Community.....[*****]
(O) SNMP R/O Community.....[*****]
(T) Enable Telnet.....[Yes]
(U) Uload Configuration Menu
(F) Display Config
(D) Download Image
(M) Auto Logout and Port Configuration Menu
(G) Syslog Configuration Menu
(R) Reset Unit
(A) Load Factory Defaults
(L) Load Configuration
(S) Save Configuration

Please select an option or X for previous menu -> d

Press (Esc)ape key to abort changes

Image type <1=Application, 2 = FPGA, 3 = Redboot>: 1
TFTP Server IP Address: 192.168.141.17
Retrieving cmr59x5.bin...
Received 907320 bytes
Erasing and Programming...

Upgrade complete
Press any key to continue
  
```

Step 1, <D> Download Image


Step 2, Image Type

Step 3, TFTP IP Server Address

Step 4, Press any key to continue

Step 5, <R> Reset

The steps are explained in the following table.

Step	Procedure
1	Select (D) for Download Image.
2	At the “ Image type ” prompt, enter: 1 for Application or 2 for FPGA or 3 for Redboot .
3	Enter the TFTP IP server address. Once the TFTP IP server address is entered, the software update will begin to download.
<div> IMPORTANT</div> <div><i>Do NOT power down the unit during the upgrade process.</i></div>	
4	When the update is complete, the message “ Press any key to continue ” will be displayed at the bottom of the screen.
5	After the unit has been upgraded, reset the unit by selecting (R) for Reset and ‘ Y ’ to confirm the reset

[illegible]

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