



NTC-790 HSPA Cellular Router

Upgrade Process

Application Software Version 1.57.8



NetComm Limited

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Document Description

This document is intended to be used as a step-by-step guide for upgrading the NetComm NTC-790 HSPA Cellular Router from 1.57.5 to the following version:

Router Software Version: 1.57.8

Note this firmware upgrade instruction is applicable only to NTC-790 running router firmware V1.57.5. If you presently have an Application Software version other than V1.57.8 you will need contact NetComm technical support to obtain an upgrade pack at either:

Phone: +61 (02) 9424-2059

Email: TechnicalSupport@netcomm.com.au

You will need the following files available to complete this upgrade procedure:

Router Application Software: upgrade-1.57.5-1.57.8.cramfs (1.15MB)

1.0 Upgrade Process

Upgrade the Cellular Router Application Software

1. Plug the network (CAT5) cable in to the Ethernet port, and then plug in the power cable.
2. Log in to the web administration page by opening your web browser and typing in the URL <http://192.168.1.50/> with the following credentials:
 - a. Username: admin
 - b. Password: password
3. Verify that the present “Application Software Version” is 1.57.5 ¹
If “Application Software Version” is NOT 1.57.5 please contact NetComm for an alternate upgrade pack to suit your software version.

NetComm NTC-790 Cellular Router

Status

LAN

IP	192.168.1.50 / 255.255.255.0
MAC Address	00:11:DB:06:12:3A

System Information

System Up time	00 : 03 : 21
Router Version	Hardware: 1.04_g Software: 1.57.5
Phone Module	Model: MC8790 Hardware: 1.0 Firmware: K1_0_2_18A Temp: 40 C
Serial Number	00:11:DB:06:12:3A

PPP

PPP Status	DISABLED
PPP IP Address	N/A / N/A
PPP P-t-P	N/A
IPsec	N/A

PPPvE

PPPvE Status	DISABLED
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Application Log Save

4. It is recommended to back up current device configuration before performing device firmware upgrade via “Application Load/Save” link in the menu bar **2** .

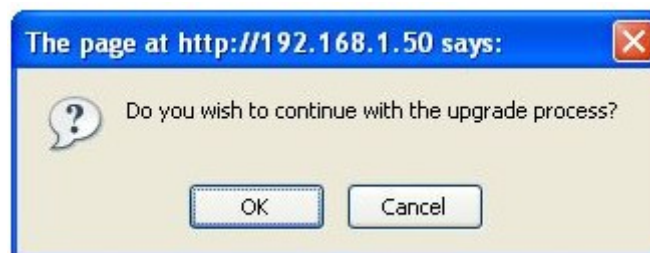
[Application Load/Save](#)

Save a copy of current settings:	
<input type="button" value="Save"/>	

5. Click on the “Application Load/Save” link in the menu bar **2** .
6. Click the “Browse” button and select the application firmware file that is to be updated, which in this case is *upgrade-1.57.5-1.57.7.cramfs* and click “Open”.
7. Now click on “Upload”.

Upload New Firmware:		
File	<input type="text" value="\Desktop\upgrade-1.57.5-1.57.8.cramfs"/> <input type="button" value="Browse..."/>	<input type="button" value="Upload"/>
Note: The whole upgrade procedure can take 2~3 mins.		

8. Click OK to the below message:



9. Also click OK to the below message:



10. You will now see a progress bar as indicated in the images below, which you will have to wait to finish before you can continue:

Application Load/Save

Phase:	Filesystem
Messages:	Checking Kernel parameters ... OK MODE: cramfs Checksum OK R 1.57.5 => 1.57.8 Stopping processes Deleting symlinks Starting update MEM=7820, DISK=4248, SIZE=363 Updating kernel Checking kernel Updating file system Deleting old files Installing new files
Errors:	
Percent Complete:	16 %
Current Position:	183 / 1184KBytes
Elapsed time:	00:00:51
Est Time Left:	00:04:30
Est Speed:	4 KB/s.

11. Once the application upload has finished, you will see the screen below with the
Phase: Finished

Application Load/Save

Phase:	Finished
Messages:	Checking Kernel parameters ... OK MODE: cramfs Checksum OK R 1.57.5 => 1.57.8 Stopping processes Deleting symlinks Starting update MEM=7820, DISK=4248, SIZE=363 Updating kernel Checking kernel Updating file system Deleting old files Installing new files Upgrade was successful (finished=1) Cleaning up Installation has succeeded Finished. The system will shortly reboot itself. This will take about 90 seconds. Do NOT power off during this time. Reload by pressing the Status button until you see the status screen. It may be necessary to restart the Web browser after the upgrade.
Errors:	
Percent Complete:	100%

12. You will need to wait approximately 1 minute for the router to restart (this is done automatically).

Do NOT power off the router.

Close your web browser and log back into the web administration page by opening your web browser and typing in the URL <http://192.168.1.50/>

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Status

LAN

IP

192.168.1.50 / 255.255.255.0

MAC Address

00:11:DB:06:12:3A

System Information

System Up time

00 : 07 : 31

Router Version

Hardware: 1.04_g Software: 1.57.8

Phone Module

Model: MC8790 Hardware: 1.0 Firmware: K1_0_2_18A Temp: 33 C

Serial Number

00:11:DB:06:12:3A

PPP

PPP Status

DISABLED

PPP IP Address

N/A / N/A

PPP P-t-P

N/A

IPsec

N/A

PPPoE

PPPoE Status

DISABLED

PPTP

You have now completed the cellular router software upgrade.