

NVR Media Server upgrade instructions using the network

Introduction

This document details how to upgrade an NVR Media Server unit using the network connection.

Requirements before upgrade:

Please read this document before upgrading the unit.

The latest NVR Media Server Software can be downloaded from the following location

http://www.dedicatedmicros.com/software_release/index_firmware.php

NVR Media Server M4N platform.

Navigate to the *System Settings – Attributes – System Page* and check that the Product Descriptor is *NVR Media Server* and the Product Code is

NVRMSRV

If the Product code is different to those shown above please contact Dedicated Micros technical support for advice.

Also required is a PC with the following available,

- Internet and Network access to the unit
- Filezilla FTP Client installed <http://filezilla-project.org/>
- Internet browser software

The unit to be upgraded has to have the following ports open in order to perform the upgrade.

21 TCP for ftp access

80 TCP for web page viewing (or secondary web server port as configured on the DVR)

23 TCP for Telnet access.

Please check current version of software installed before proceeding with the upgrade. Only upgrade the required versions.

e.g. If currently installed file is the same release as the upgrade file then it does not need to be upgraded.

Please see the final section of this document for details on how to check the installed software version.

The PC Application only requires upgrading if the Viewer is included when Archiving to CD/USB.

The Help videos only require upgrading if the on screen help videos are used.

The Web Applets only require upgrading if you use the web browser viewer.

The N1SP Layer 3 Enhanced CCTV Switch only require upgrading if the system is in a Closed IPTV network.

The text '<ENT>' is used in this document to show when the Enter key should be pressed on the computer keyboard.

In no event will Dedicated Micros be liable to any party for any direct or indirect damage or loss resulting from the use of this upgrade. This upgrade is attempted at the users' discretion. E&OE.

Downloading the required files

Download the required files from

http://www.dedicatedmicros.com/software_release/index_firmware.php

to a location on the PC's local hard drive. Note this location.

Files Required for the upgrade

NVD0UPGRADE_loader_m4np.zip – Intermediate Loader M4N platform only.

UPGRADE_m4np.zip – Main Application M4N platform only.

UPGRADE_c6dm.zip – Codec.

Webpage files

UPPGRADE_Web_2_Core.zip

UPGRADE_WEB_PAL.zip (or) UPGRADE_WEB_NTSC.zip

UPGRADE_WEB_APPLETS.zip

Optional files

UPGRADE_PCAPPS.zip – PC Application (if required).

UPGRADE_HELP_VIDEOS.zip – Help Videos (If required).

Make sure you have the correct files for the unit you are upgrading

Upgrading the unit with the wrong software will require further corrective action. If in doubt, contact Dedicated Micros Technical Support for advice.

Transferring the upgrade files to the unit

1. Open FileZilla FTP Client.
2. In the 'Quick Connect' window add the following details
Host <IP address of unit or DNS name of the unit>
Username <ftp username>
Password <ftp password>
Click **Quickconnect**

Host:	172.17.32.6	Username:	anonymous	Password:	●●●●●●●●●●	Port:		Quickconnect	▼
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Important Note: The unit does not have an FTP username or password set by default. If these are left blank in the Quick Connect dialogue box, FileZilla will attempt to login to the unit using the username / password combination 'anonymous' / 'anonymous'.
If an FTP username and password have been set on the unit, these will have to be correctly entered in the FileZilla dialogue box.

3. Click **Quickconnect**
Once you are connected to the remote unit you will see the contents of the remote units internal mdd storage on the right hand pane.

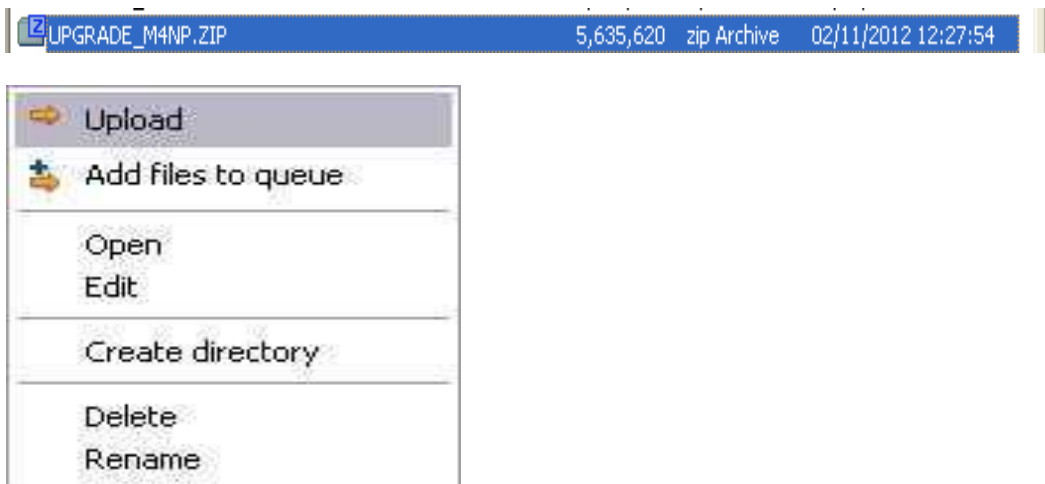
Filename	Filesize	Filetype	Last modified	Owner/Group
..				
bin		Folder	16/03/2011	root root
common		Folder	16/03/2011	root root
ems		Folder	16/03/2011	root root
etc		Folder	16/03/2011	root root
frm_data		Folder	16/03/2011	root root
gui		Folder	16/03/2011	root root
maps		Folder	16/03/2011	root root
media		Folder	16/03/2011	root root
messages		Folder	16/03/2011	root root
qnc		Folder	16/03/2011	root root
Webpages		Folder	16/03/2011	root root
emsupdates.shtml	1,600	Firefox Document	16/03/2011	root root
favicon.ico	318	Icon	16/03/2011	root root
index.html	5,176	Firefox Document	16/03/2011	root root
registry	12,962	File	16/03/2011	root root
standby.shtml	4,375	Firefox Document	16/03/2011	root root
toggle_video_mode.shtml	9,374	Firefox Document	16/03/2011	root root
update.shtml	14,566	Firefox Document	16/03/2011	root root
update.xml	1,479	XML Document	16/03/2011	root root
webpage_version.ver	17	VER File	16/03/2011	root root

4. Use the left hand pane (local) to navigate to the location where the previously downloaded software is located on the local PC.

Filename	Filesize	Filetype	Last modified
..			
NVDOLUPGRADE_M4NP.ZIP	1,141,472	zip Archive	02/11/2012 12:27:15
UPGRADE_C6DM.ZIP	2,966,629	zip Archive	02/11/2012 12:27:29
UPGRADE_M4NP.ZIP	5,635,620	zip Archive	02/11/2012 12:27:54
UPGRADE_M4NP_306.ZIP	42,996	zip Archive	02/11/2012 12:27:36
UPGRADE_REDBOOT.ZIP	123,904	zip Archive	02/11/2012 12:27:47
UPGRADE_Web_2_NVR_Media_Server_7610_NTSC.zip	4,309,231	zip Archive	02/11/2012 12:28:04
UPGRADE_Web_2_NVR_Media_Server_7610_PAL.zip	4,226,213	zip Archive	02/11/2012 12:28:15
UPGRADE_Web_Applets_7610.zip	12,141,978	zip Archive	02/11/2012 12:28:39

Selected 1 file. Total size: 5,635,620 bytes

5. Select the file to be uploaded to the unit by right clicking on it using the mouse, and press the Upload arrow. This will transfer the selected file to the remote unit.





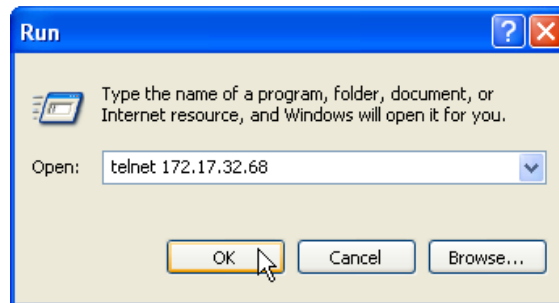
6. When the upload is complete the file will be shown in the right hand pane (remote) as shown below.

Remote site: /mdd0			
Filename	Filesize	Filetype	Last modified
sql		File Folder	21/05/2012
SYS_DATA		File Folder	10/04/2012
upgrade		File Folder	10/04/2012
Webpages		File Folder	10/04/2012
applet_build.ver	11	VER File	09/10/2012
applet_version.ver	18	VER File	09/10/2012
emsupdates.shtml	1,600	Firefox HTML Document	09/10/2012
favicon.ico	318	Icon	09/10/2012
index.html	7,956	Firefox HTML Document	09/10/2012
nobrowser.shtml	179	Firefox HTML Document	09/10/2012
NVDOLUPGRADE_M4NP.ZIP	1,141,472	zip Archive	02/11/2012
registry	498	File	09/10/2012
standby.shtml	4,375	Firefox HTML Document	09/10/2012
toggle_video_mode.shtml	9,374	Firefox HTML Document	09/10/2012
update.shtml	28,478	Firefox HTML Document	09/10/2012
update.xml	294	XML Document	09/10/2012
webpage_build.ver	11	VER File	09/10/2012
webpage_platform.ver	17	VER File	09/10/2012

15 files and 19 directories. Total size: 1,194,619 bytes

Extracting the Files onto the unit.

7. On the PC Click  then 
In the box type `telnet XXX.XXX.XXX.XXX`
Where XXX.XXX.XXX.XXX is the units IP address e.g. `telnet 172.17.32.68`
If you are using the DNS name use this instead of the IP address e.g. `telnet nvr.dmicros.com`



Click OK

8. If prompted, enter the username and password for telnet access.
There are no passwords set by default. If login was successful,

```
Welcome to the NVR Media Server command line processor
NVR Media server 32/3>
```

will be shown on screen.

9. **To upgrade the Intermediate loader.**
At the prompt NVR Media Server 32/3> type
`unzip /mdd0/nvd0upgrade_loader_m4np.zip /nvd0<ENT>`

You will see the following information on screen:

```
NVR Media Server incorporates compression code from the Info-ZIP group. There
are no extra charges or costs due to the use of this code.
For details of the Info-Zip license type ZIPLI
For more details visit http://www.info-zip.org
Unzipping /mdd0/nvd0upgrade_loader_m4np.zip onto path /nvd0
..Done
Checking registry file /mdd0/registry ...
Registry check finished, 0 files missing out of 554 in registry
NVR Media Server 32/3>
```

10. **To upgrade the Main Application.**
At the prompt NVR Media Server 32/3> type
`unzip /mdd0/upgrade_m4np.zip /mdd0<ENT>`
Similar message to section 9 will appear.
11. **To upgrade the Codec.**
At the prompt NVR Media Server 32/3> type
`unzip /mdd0/upgrade_c6dm.zip /mdd0<ENT>`
Similar message to section 9 will appear.
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12. **To upgrade the Webpages.**
Select the web pages required for your unit
Then enter the following,

At the prompt NVR Media Server 32/3> type
unzip /mdd0/upgrade_WEB_XXX.zip /mdd0<ENT>
where XXX is replaced by the webpages required.
Similar message to section 9 will appear.

Optional Steps

13. **To upgrade the Web Applets.**
At the prompt NVR Media Server 32/3> type
unzip /mdd0/upgrade_web_applets.zip /mdd0<ENT>
Similar message to section 9 will appear.
14. **To upgrade the PC Application.**
At the prompt NVR Media Server 32/3> type
unzip /mdd0/upgrade_pcapps.zip /mdd0<ENT>
Similar message to section 9 will appear.
15. **To upgrade the Help Videos.**
At the prompt NVR Media Server 32/3> type
unzip /mdd0/upgrade_help_videos.zip /mdd0<ENT>
Similar message to section 9 will appear.
16. Once the files have unzipped, the unit must be reset for the changes to take effect.
At the prompt NVR Media Server 32/3> type
reset<ENT>
-

To check the software version on the unit

Wait a couple of minutes for the unit to restart. Once the unit has restarted navigate to the unit's web pages to check the installed software version.

In Internet Explorer address bar type the units IP Address, then press <ENT>.



If you are using the DNS name use this instead of the IP Address e.g.
nvr.dmicros.com

Once the unit's web page is on screen. Check the installed software to confirm the upgrade was successful.

Navigate to the *Configuration – System – Attributes – Software* page to check the correct software version has been installed.

The Webpage Revision will have either PAL or NTSC dependent upon the video standard. The Webpage Platform should correctly reflect the unit type.

The page should look similar to the image below but with the s/w versions showing that you have just loaded.

Software Revision	6.3 (22.0204) M4NP 2014-10-28 09:34
Codec Revision	6.6 (22.0204) C6DM
Loader Revision	6.9 (22.0007)
Webpage Revision	wp8 2.0 (9702) PAL
Webpage Platform	NVR Media Server
Framestore Revision	6.3 (22.0204) M4NP 2014-10-28 09:34
PC Apps Revision	3.0.6185
Boot Software Rev.	M4NP version 02.6 ecos ancestry v2_0_65 – built May 18 2012
Applet Version	6.19
WebVu Version	1.0.3.3
N1SP Version(s)	0x412
