



Upgrading software using the UPGRADE command

Application Note AN302
Revision v1.3
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AN302 Upgrading V25/V50plus software using the UPGRADE command

1 Overview

The **upgrade** command is an executable command you can use to upgrade a range of Vocality products to a newer version of software on the advice of Vocality support engineers, as an alternative to upgrading via the Software Management menu. This includes:

- BASICS units (as an alternative to upgrading via the Software Management menu);
- V25; and
- V50plus.

You will need a Vocality VNUT server running, version 3.0 or above.

The device you wish to upgrade should have access to the network, on which the VNUT server is running.

If you have a V150 or V200 you will need to upgrade your software via the **Main menu**, please refer to Application Note **AN303 Upgrading V150 and V200 Software**.

2 Start a VNUT session

Start VNUT, confirm the associated IP address, select a directory where the software for your device type (for example V25+V50plus) is located. Once this folder appears as the 'Selected Directory:' at the bottom of the VNUT server screen your VNUT server is configured.

If you are unsure about using VNUT refer to Application Note **AN307 Installing the Vocality Network Upgrade Tool (VNUT)** and follow all of the steps.

3 Upgrading your unit

From the top level banner press:

<Shift> ddd

M

This will take you to the debug command prompt.



```
*
*          // // //
*          // // //   For support, visit www.vocality.com
*          // // //
*          // // //
*          // // //
*          // // //
*          // // //
*****

VOS Diagnostic Menus
M = Monitor
F = Flash Loader
R = Connect to Remote

-----
Dbg>Help - Lists User commands
-----

Dbg>█
```

Figure 1 Debug command prompt

At this prompt you can type **upgrade**.

When the syntax form is displayed you must press <Y> to confirm you want to continue.

```
VOS Diagnostic Menus
M=Monitor
F=Flash Loader
R=Connect to Remote

-----
Dbg>Help - Lists User commands
-----

Dbg>upgrade
***NEW VERSION FLASH DEVICE DETECTED.
***THIS IS NOT SUPPORTED BY ALL SOFTWARE VERSIONS.
***LOADING INCOMPATIBLE SOFTWARE MAY REQUIRE UNIT TO BE RETURNED TO MAKER.
***ARE YOU SURE YOU WISH TO CONTINUE ? (Y/N)

Illegal filename or IP address specified
Usage: UPGRADE Vxx_yy_zz a.b.c.d

Dbg>█
```

Figure 2 Debug command prompt after typing 'upgrade'

The syntax is as follows:

UPGRADE *Vxx_yy_zz a.b.c.d*

where

Vxx_yy_zz = Version number of software

a.b.c.d = IP address of VNUT server



When you have this information, you can issue the full command string at the 'Dbg>' prompt. You will then need to press <Y> again to confirm you want to continue.

```
VOS Diagnostic Menus
M=Monitor
F=Flash Loader
R=Connect to Remote

-----
Dbg>Help - Lists User commands
-----

Dbg>upgrade V05_01_02 192.168.0.240
***NEW VERSION FLASH DEVICE DETECTED.
***THIS IS NOT SUPPORTED BY ALL SOFTWARE VERSIONS.
***LOADING INCOMPATIBLE SOFTWARE MAY REQUIRE UNIT TO BE RETURNED TO MAKER.
***ARE YOU SURE YOU WISH TO CONTINUE ? (Y/N)
Issuing TFTP request for V05_01_02HHV25_E.VMX - do not power unit off until ope
ration is complete !!
```

Figure 3 Screen after issuing complete upgrade command

The VNUT server will verify that the upgrade has started.

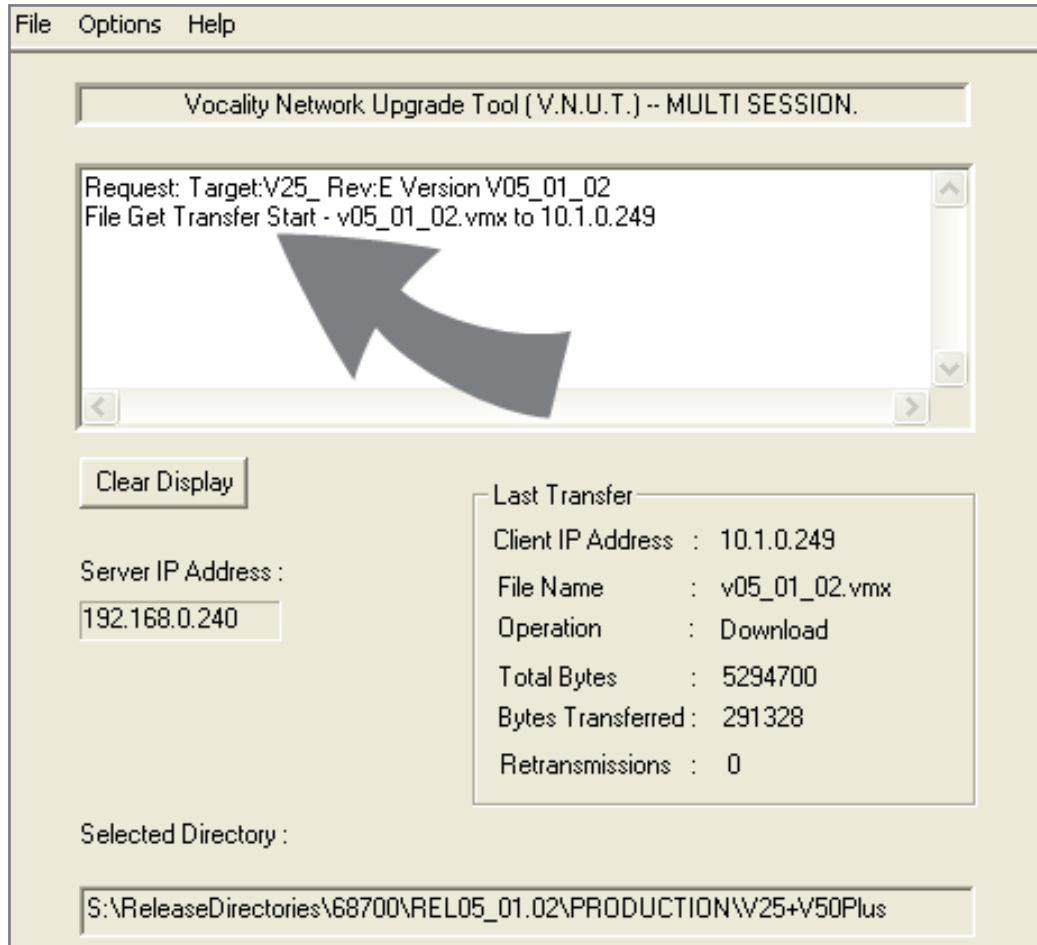


Figure 4 VNUT reporting upgrade in progress

Note: The fields displayed will reflect your own live environment, this is for illustration purposes only.

When your upgrade is complete the device will request a reboot to run the new software.



```
VOS Diagnostic Menus
M=Monitor
F=Flash Loader
R=Connect to Remote

-----
Dbg>Help - Lists User commands
-----

Dbg>upgrade V05_01_02 192.168.0.240
***NEW VERSION FLASH DEVICE DETECTED.
***THIS IS NOT SUPPORTED BY ALL SOFTWARE VERSIONS.
***LOADING INCOMPATIBLE SOFTWARE MAY REQUIRE UNIT TO BE RETURNED TO MAKER.
***ARE YOU SURE YOU WISH TO CONTINUE ? (Y/N)
Issuing TFTP request for V05_01_02HHV25_E.VMX - do not power unit off until ope
ration is complete !!
File Received 5294700 bytes
Writing to FLASH - % Complete: 100
FLASH update complete

TFTP Result Succeeded
Reboot unit to run new software. Reboot now ? (Y/N)
```

Figure 5 Unit reporting upgrade complete

You will need to press <Y> again to confirm you want to continue and then verify that the unit is operational.

4 Testing

As soon as boot-up is complete, you can confirm that the upgrade was successful by checking that the initial banner page is displaying the new version number. This can be further verified by accessing the debug prompt (as explained in an earlier part of this Application Note) and issuing the command `version` to display further information.

Further testing could involve confirming that the light sequence on the unit is the same as it was prior to upgrade. You may also need to check that all associated cabling is connected, if the unit has been moved to complete the upgrade.

5 About Application Notes

Application Notes are intended as a supplement to, rather than a substitute for, your User Manual. Should you have queries which are not answered by our current documentation, your local Vocality support team would be happy to hear from you.
E-mail support@vocality.com.