

## VOCALITY INTERNATIONAL – APPLICATION NOTE

REF: AN059

REVISION: V01

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TITLE: Quad Data Card Firmware Upgrade

### Overview

From Firmware Version 1.01 the Quad Data Option card can be upgraded using the Vocality Flash program Version 21 or later.

Earlier versions of the firmware or hardware must be returned to Vocality to be upgraded.

### Procedure

#### Present Version of Hardware and Firmware

In order to determine the existing Firmware version, on Software which is Version 2.01\_21 or earlier please do the following:

From an active HyperTerminal session on the Unit you wish to check:

Ctrl E

Shift DDD

M

ST <RTN>

On the ST output find the following information

Quad Data Card

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Quad Data Card s/w (For example V01.01)

Note down the Firmware Version. Once you have finished press Ctrl E.

On Software which is Version 2.01\_22 or later please do the following:

From an active HyperTerminal session on the Unit you wish to check:

Go to Diagnostics

System Info

On this screen identify the Quad Data Card you wish to upgrade and note it's firmware revision.

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### *Can It Be Field Upgraded*

From firmware version 1.01 the Quad Data Option card can be upgraded using the Vocality Flash program version 21.

Quad Data Cards with earlier versions of firmware must be returned to Vocality to be upgraded.

Please note that to use Quad Card firmware version 1.01 or later, the system software must be version 2\_01.22C3 or later. If this isn't the present version of system software then please upgrade the system software first. (See Application Note AN019). Earlier versions of system software will not recognise the card once it has been upgraded.

### *Upgrade Procedure*

**Warning: Power to the System and also the PC must not be interrupted during the upgrade process.**

Once you have confirmed the system can be upgraded, proceed as follows:

Close HyperTerminal (if open).

Unzip the upgrade package to a temporary folder.

Run "Flash.exe"

Select the highest "Upspeed" your PC can support.

Ensure "Auto File Selection" is ticked.

Select the Option Slot where the card you want to upgrade is located.

Use the Drop Down menu for that slot to indicate the type of card, in this case "Quad".

**Warning: Selecting the wrong type of card and then upgrading the firmware on it could damage the card in that slot.**

A screen shot of example settings is shown below.

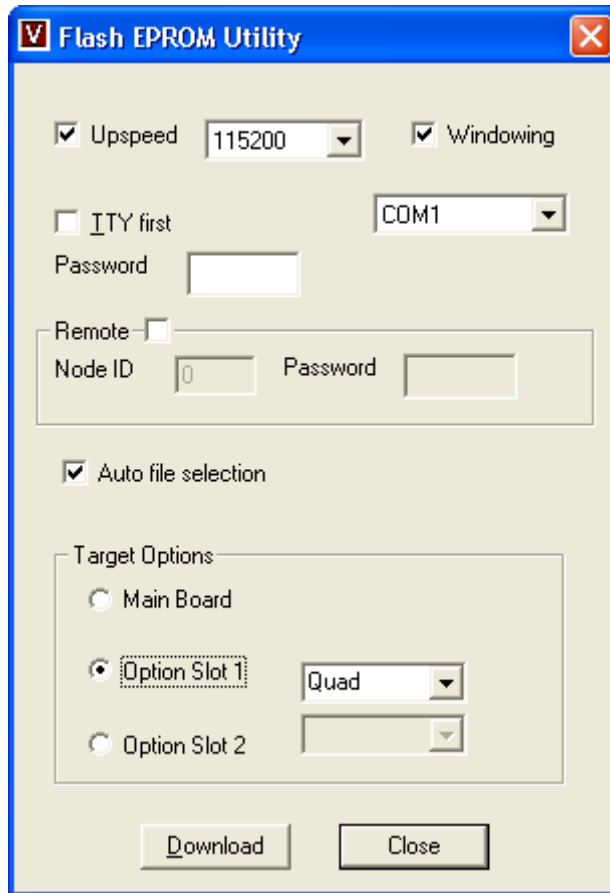
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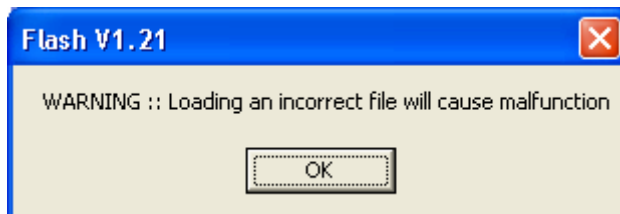
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Allow the Flash program to automatically select the correct firmware.

If the correct firmware cannot be found then uncheck the “Auto File Selection” box and select “Download”. The following screen will appear:



Select “OK” and the following screen will appear:

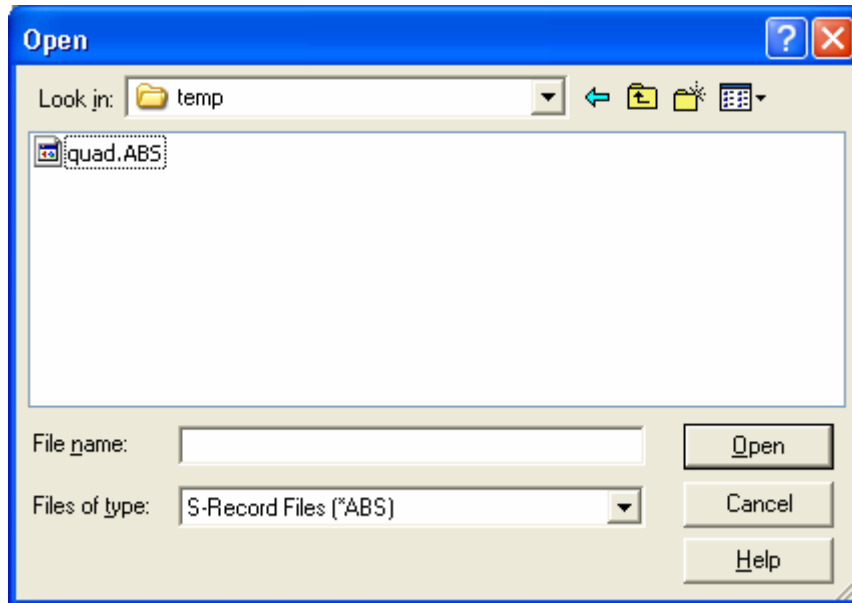
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Check that the location specified in “Look in:” is the same location as where the upgrade was extracted.

If it is the same location, the upgrade file is not the correct version. Press “Cancel” and “Close” and contact your supplier.

If it is not the correct location then use the Drop Down Menu to select the correct location and the correct file.

**Warning: Selecting the wrong type of card and then upgrading the firmware on it could damage the card in that slot.**

**If you are unsure at any point please press “Cancel” and “Close” and contact your supplier.**

The unit will reboot once the Upgrade has been completed.

Repeat the “Present Version of Hardware and Firmware” section above to confirm the upgrade.