



Updating NV8500 Firmware with Leitch Protocol

Introduction

This note tells you how to upload Leitch protocol to the control card of an NV8500 family router and to select the Leitch protocol.

There are 3 basic steps:

- Re-install MRC.
- Upload new firmware to the router's control card.
- Choose Leitch protocol.

You must do this for each control card that is to operate under Leitch protocol.

After the update, the Leitch pass-through protocol will be enabled on control port 1 (the CTRL1 connector at the rear of the router). Note that CTRL2 does not support any third-party protocol.

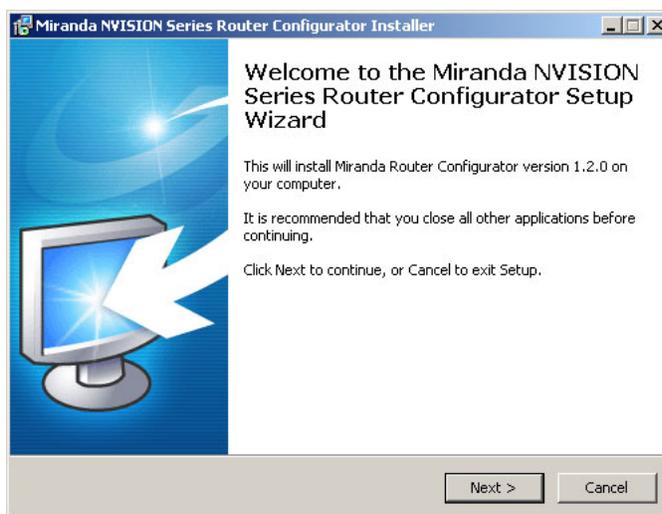
Procedure

Re-Install MRC

- 1 Obtain the MRC installer from Miranda. Copy it to a USB device (e.g., a memory stick). The installer's name is `MRC Install.exe`.

Also copy the NV8500 firmware file to the USB device. Its file name is `NV8500_HYB_FW_1.2.0.1684.RF`.

- 2 Place the USB device in a USB slot of your configuration PC. Run the installer from the device:



Click 'Next' to step through the brief installation process. Follow the instructions.

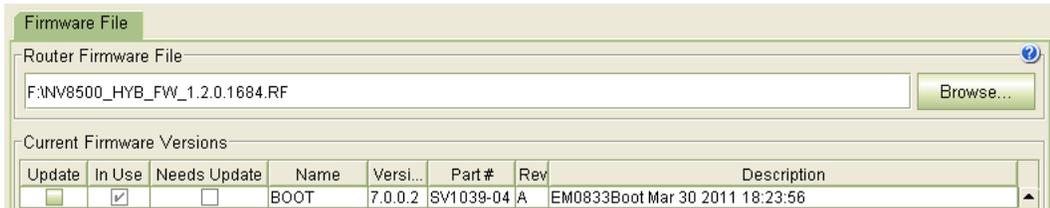
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Load the Firmware

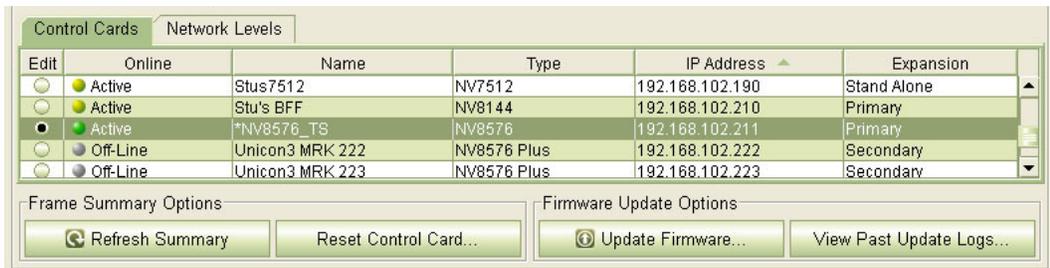
1 Launch MRC.

2 Go to the 'Update Firmware' page.

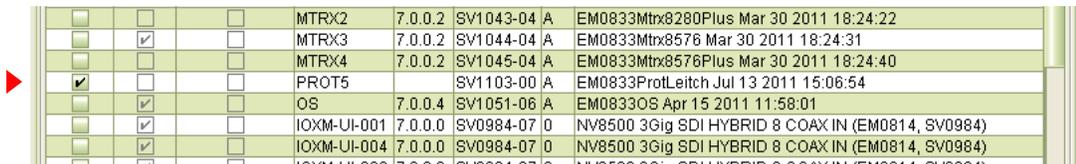
Browse to select your new firmware file (from your USB device):



3 On the same page, choose the router control card you wish to update:



4 You will see a line containing "PROT5" in the firmware list:

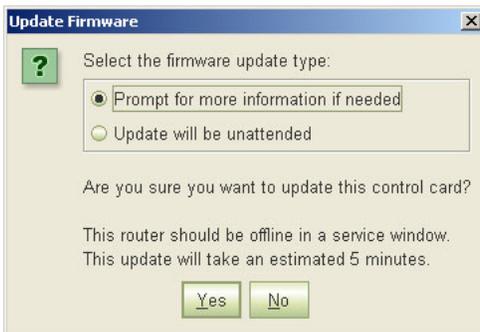


This line becomes present in the firmware list because the protocol firmware it represents is present in your new firmware file. Ensure that this line has a check mark in the 'Update' column.

5 Click 'Update Firmware' at the bottom of the page:



6 Confirm that you really want to update the firmware:



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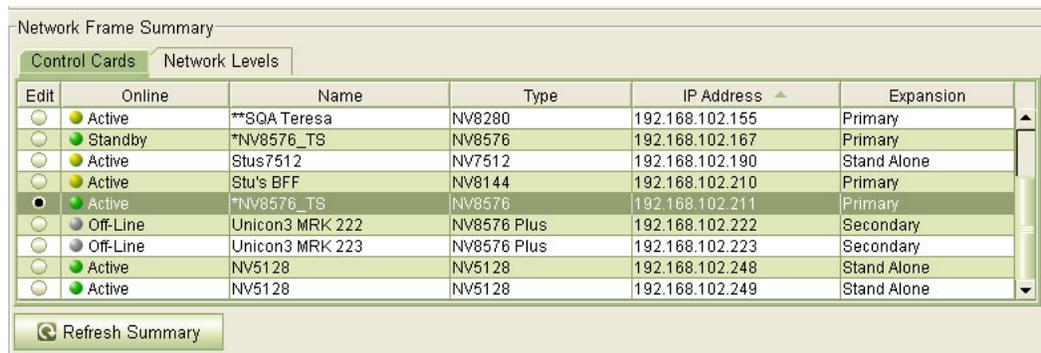
- 7 After a few seconds, the update will complete. If it was successful, you will see a completion message asking you whether you want to reset the control card:



Click 'Yes'. The reset takes about a minute. You will see a progress bar. Wait until the window with the progress bar disappears.

Choose Leitch Protocol

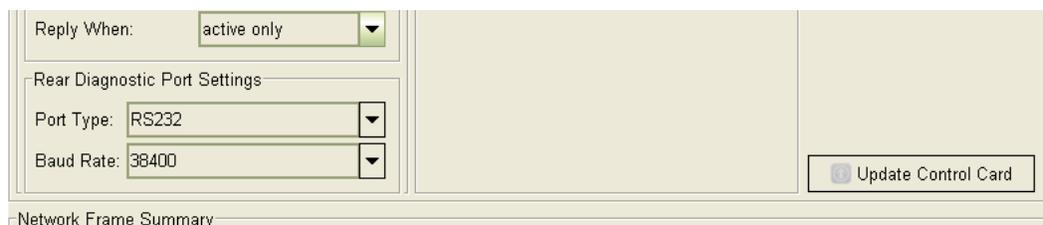
- 1 Go to the 'Miscellaneous' page of MRC.
- 2 Choose the router's control card at the bottom of the page.



- 3 Choose 'Leitch Pass-Through' for the protocol under 'Control 1 Settings':



- 4 Click 'Update Control Card':



After the update, the Leitch pass-through protocol will be enabled on control port 1 (the CTRL1 connector at the rear of the router). CTRL2 does not support Leitch or any other third-party protocol.

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