



# Updating and Backing Up the Nova5000 Operating System

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Using the Fourier Systems-developed OS Update application, update or back up the Nova5000 Windows CE operating system via USB connection between the Nova5000 and your PC.

**Note:** The OS Update process is not yet supported on the Vista OS. It is supported on Windows 2000 and XP platforms.

OS Update allows you to:

- Update the OS following release of updated OS version from Fourier Systems.
- Update the OS following release of Windows CE 5.0 patch, including critical bug or security fixes, from Microsoft.
- Backup your current Windows CE image, including all programs and data files.

**Note:** Fourier Systems will provide you with any Windows CE 5.0 patch released by Microsoft. You will receive this patch from Fourier Systems together with the OS Update application.

Please monitor the Nova5000 Download page for software updates:

[http://www.fourier-sys.com/product\\_data\\_nova\\_download.html](http://www.fourier-sys.com/product_data_nova_download.html)

## OS Update Pre-setup

Before beginning update of the OS:

- Backup important data located on the Nova5000. This drive will be formatted during OS Update and all data will be deleted.
- If ActiveSync software is installed on your PC, disable connections by launching the ActiveSync software and going to **File > Connection Settings**, unselecting the **Allow USB connection** check box and clicking **OK**.
- Download the OS Update folder located on the Nova5000 Download Center. This folder includes the latest OS Image, the Nova5000 Update application and a utility named UsbMLink.



## OS Update Setup

1. Make sure the USB sync cable is disconnected and ActiveSync is disabled on your PC (see Pre-setup instructions).
2. Open the rear case of the Nova5000 unit. Press the **Hard Reset** button and release after one second. *Immediately* press the **OS Update** button and release after five seconds.
3. Following step 2, the Nova5000's LCD screen will appear black, with no graphics of any kind. If you see any other screen, such as the Nova5000 splash screen (the startup graphic) then there is a problem and you must repeat steps 1-2 above.
4. Reconnect the USB sync cable between the PC (USB host) and Nova5000 (USB slave). Wait at least five seconds, and then launch the file named **Nova Flash Utility.exe**, downloaded together with the OS image from the Fourier Systems website. This launches the OS Update application.

**Note:** Make sure the UsbMLink.exe file is located in the same folder as the Flash utility.

## Updating the OS Image

1. After launching the OS Update application in step 4 above, the OS Update main window will open.

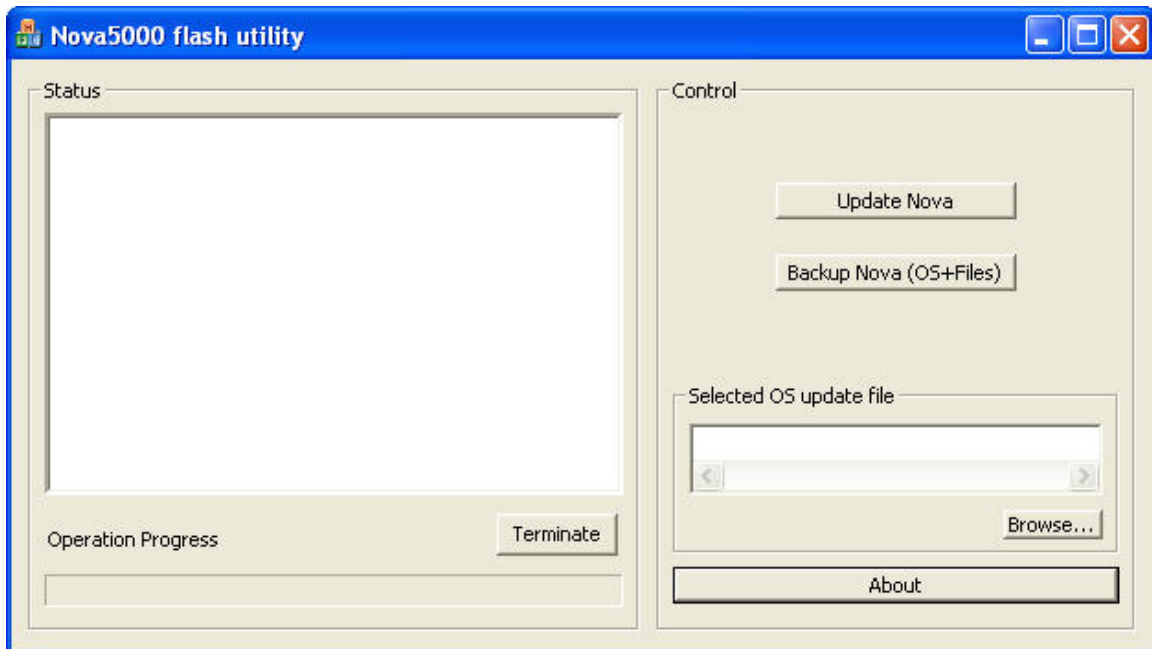


Figure 1: OS Update main window



2. Make sure the path in the **Selected OS update file** field points to the location of the OS Image file. The OS Image file must have the extension **.BIN**. The name of the file itself does not matter.
3. To update the OS Image, press the **Update OS Image** button. The application will first test the connection between the PC and the Nova5000. A progress bar will monitor this test and a message will appear in the Status pane confirming a successful test.

**Note:** If the test connection failed, this probably means that at least five seconds did not elapse between connecting the USB cable and launching the OS Update application.

4. When the update process itself begins, another progress bar will appear. A successful update will be confirmed by another message in the Status pane.
5. Once the OS Image update has finished, the OS Update procedure itself is complete.

**Note:** The OS Image update process can take several minutes.

## Backing Up the OS Image

1. To back up your current OS Image, first complete the **OS Update Setup** above and launch the Update application.
2. Click **Backup Nova**. In the **Save As** dialog box that opens up, enter the name you wish to call the backup file and browse to the save location.
3. Click **Save** and the backup process will begin.

## OS Update Post-setup

1. Close the **Nova5000 Update** application.
2. Press the **Hard Reset** button on the Nova5000. The unit will start up with the new OS image.
3. To continue using the previously disabled ActiveSync, launch the ActiveSync software on the PC and go to **File > Connection Settings** and select the **Allow USB connection** checkbox.