

How To Update the DataStorm D3 Firmware

- You must perform this operation via a WIRED connection; a wireless connection has a tendency to drop packets thereby causing the firmware load to fail or become unpredictable. You also must disable your wireless connection in order to update the D3.
- You may connect from your computer to the D3 directly using a Cross-Over cable [a special Ethernet cable available at Radio Shack or the like by name]

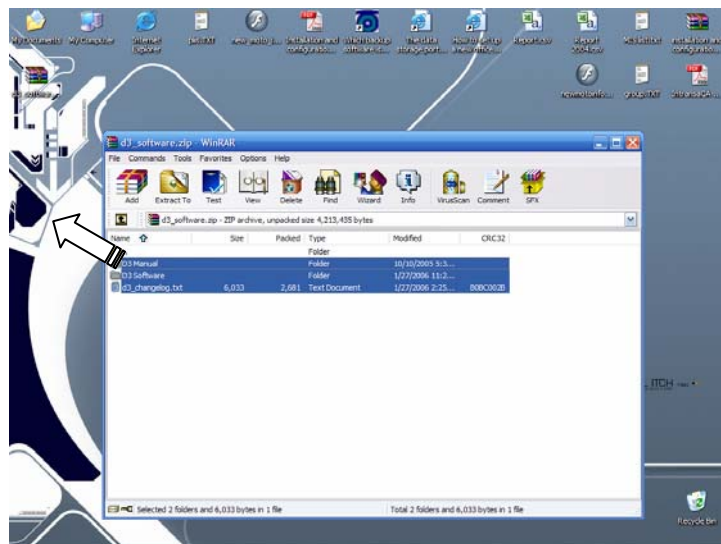
Step 1: You must download the new firmware for the DataStorm D3

a. - Go to MotoSAT's internet downloads page at, www.motosat.com/downloads/internet b. - D3 firmware builds will be the first items available for download at the top of the page. Note that there is a standard release available as well as a beta release. Click the version you wish to download and save it to your computer. Make sure you can remember where you downloaded this file to your computer [The Desktop is a great place].



Step 2: Extract the files in order to upload the new firmware to the D3

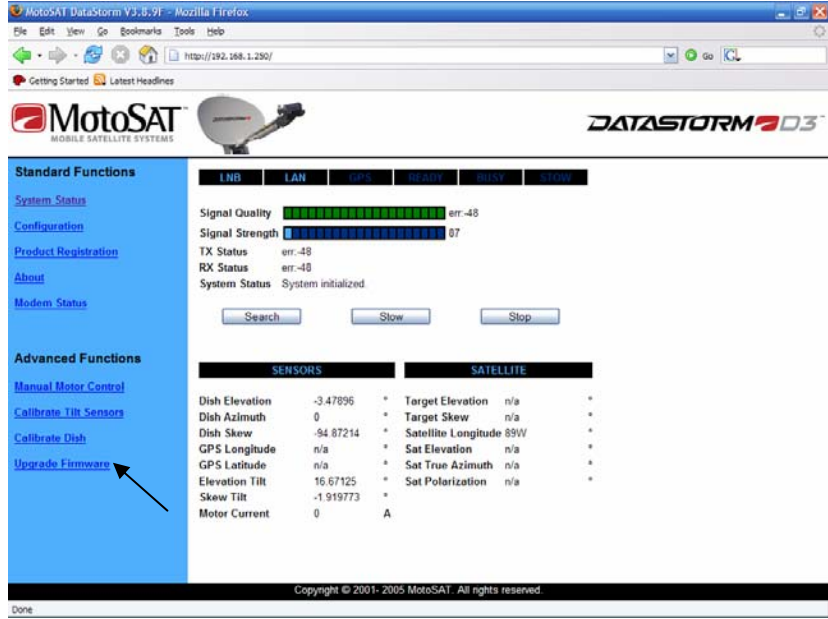
a. - After downloading the file, double click it, select all the files in the window, and copy them to a known location [The Desktop is a great place] by either dragging and dropping them or copying and pasting them.



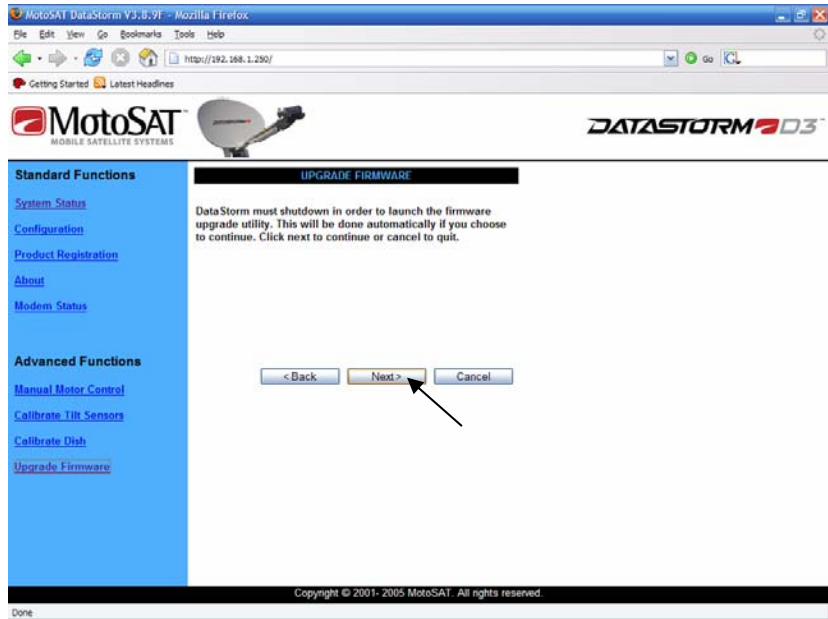
Step 3: Configure the D3 to Receive the Firmware Update

*****Note: There are two different ways to configure the D3 in order to input a new firmware file; one is a soft bootload, the other is a hard bootload; both ways will be shown here*****

- Via Soft Bootload
 - a. – Open the D3’s HTML interface and click the Update Firmware link



- b. – This page informs you that the D3 will be reset in order to load the firmware upgrade utility. Click Next to continue. This will take you directly into the firmware upgrade utility load screen.



- Via Hard Bootload

*****Note You must have Administrative rights on your computer in order to proceed using this method*****

a. – Power off the D3 by pressing the power button.

b.– Now hold both the search and stow buttons together then press power. **If the D3 has been turned on correctly ALL the lighted LED's will be illuminated as shown below:**



This method places the D3 into a hard bootload mode where firmware can be updated. **This mode also resets temporarily whatever IP address the D3 is set at and sets the IP to 192.168.0.250 .**

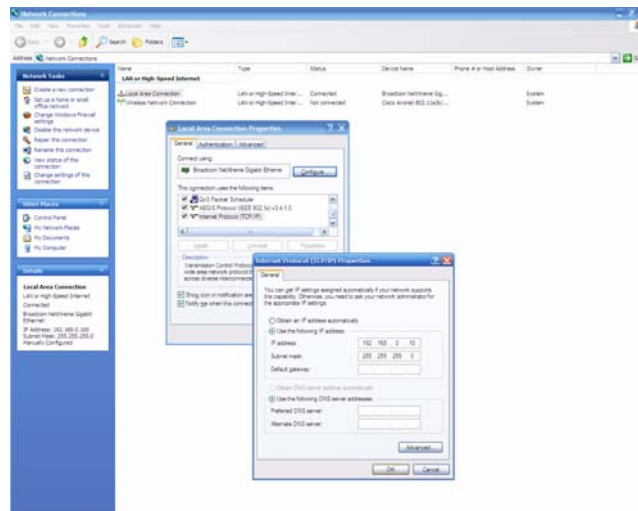
You must then configure the computer that will be uploading the file to the D3 to this temporary address scheme.

- To change your IP address in Windows XP, click the Start button, click Control Panel, click the Switch to Classic View link on the left hand column at the top of the Control Panel window, and double click Network Connections.
- Right click your active network connection and left click properties. On the window that appears under 'This connection uses the following properties', click and highlight the 'Internet Protocol (TCP/IP)' and then click the Properties button.

***** WRITE DOWN EXACTLY WHAT THE SETTINGS ARE IN THIS SCREEN FOR LATER REFERENCE*****

Click the radio button that says 'Use the Following IP Address' and type in 192.168.0.10 for your IP address and hit the tab key. This will automatically input a 255.255.255.0 subnet. These are the only two value you need. Click the OK button, then the OK button on the last open window.

*****Note YOU MUST REINPUT YOUR NETWORK SETTINGS BY WALKING BACK THROUGH THIS PROCESS AND PLACING YOUR ORIGINAL SETTINGS YOU WROTE DOWN. THIS MUST BE DONE IN ORDER TO COMMUNICATE WITH YOUR NETWORK AS BEFORE.*****

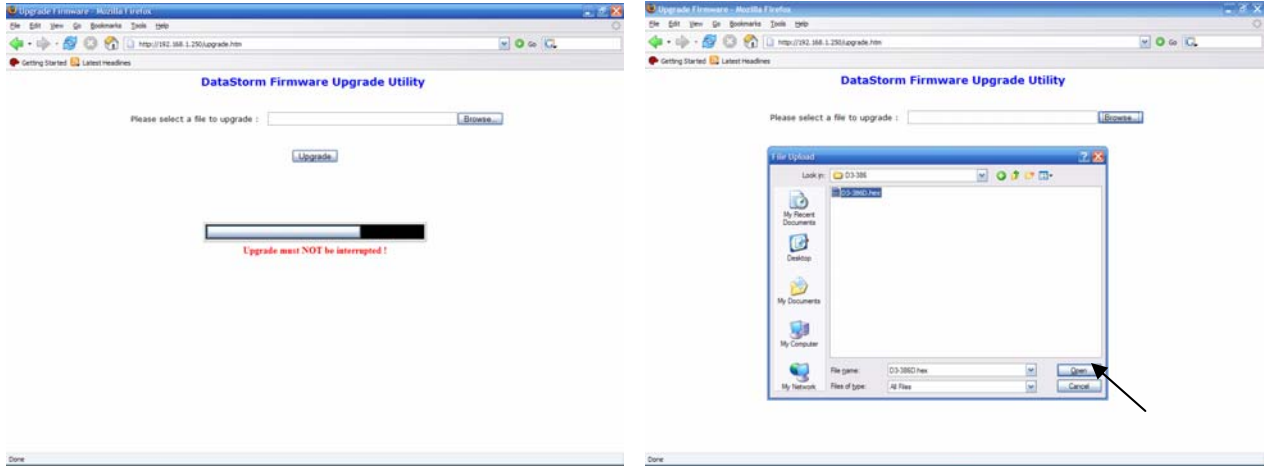


- c. – Now open your web browser and type in 192.168.0.250. This will open the D3 firmware update utility page.

Step 4: Browsing for and Updating the D3 Firmware

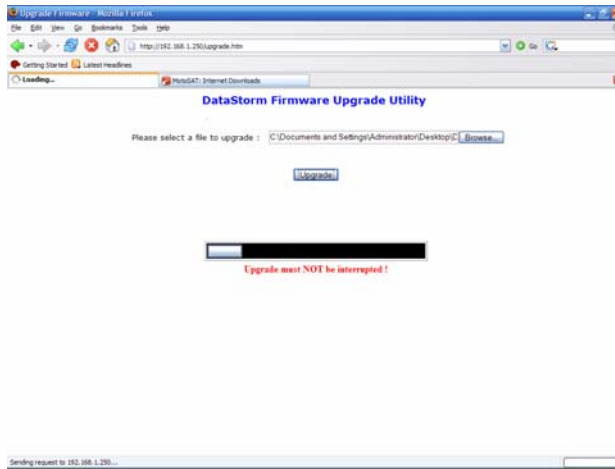
- a. – Click the ‘Browse’ button’ to locate the D3 firmware file to update. Remember where you extracted this file, browse to its location, [In the D3 Software or Beta Software Folder], and click and highlight the file then click the Open button.

Note the actual update file ALWAYS has .HEX file extension.



- b. – With the proper file selected click the Update button. The upgrade will begin and a bar will scroll across the screen showing progress.

Note this actual process can take anywhere from 5-8min.



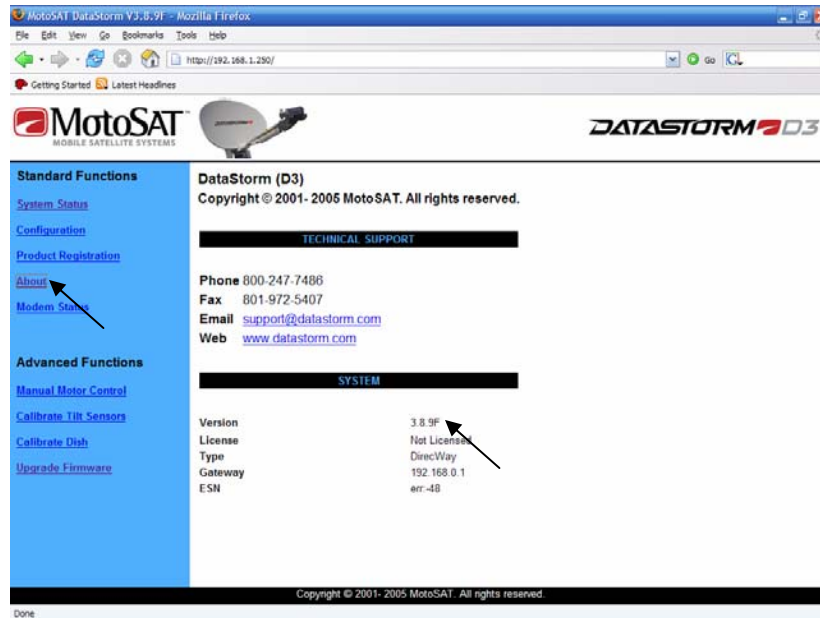
- c. – When completed the D3 will reboot automatically.

Note if the firmware update was done via the Hard Bootload you must revert to your network settings before performing the update in order to access the D3

Step 5: Verifying the new D3 Firmware version

a. – Open the D3 HTML page and click the About link. This will show the current D3 firmware revision under the Version item. If the version matches the firmware you loaded the upgrade is complete.

Note you may need to hard refresh the HTML page in order to see current information. This can be done by pressing the Ctrl key while pressing F5.



THE UPGRADE IS NOW COMPLETE

MotoSAT Technical Support
1-800-247-7486
support@motosat.com