



# MTU Operating Software Upgrade

## Requirements

To perform an MTU operating system upgrade, you will need the following:

- WinHost software loaded on a PC.
- Floppy drive for PC.
- MTU Upgrade floppy disk.
- MTU with installed CompactFlash memory card and battery.
- Parallel cable.

## Making the connections

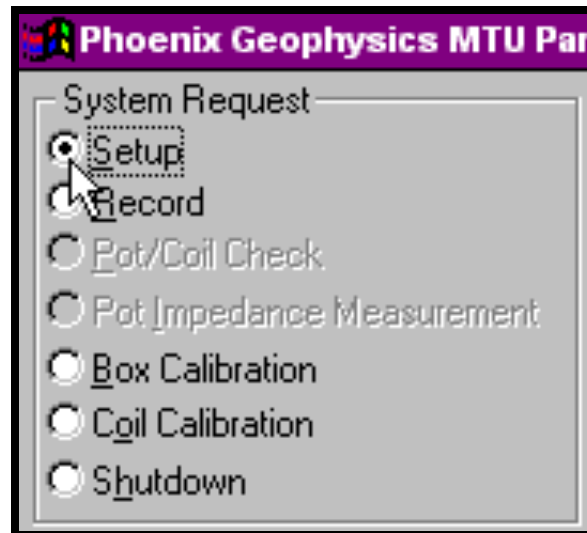
1. Ensure that a CompactFlash memory card is installed in the MTU.
2. Connect the battery to the MTU.
3. Connect the PC cable to the Parallel I/O port of the MTU and the parallel port of the PC.
4. Turn on the PC.
5. Toggle the MTU power switch on and wait for the steady LED, indicating start-up is complete.



## Preparing to upgrade

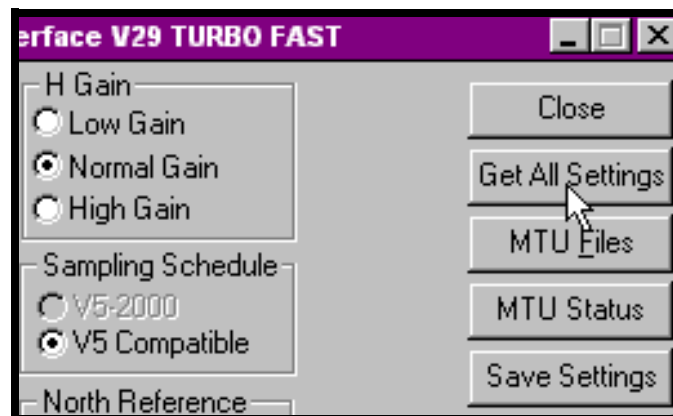
### Starting the software and uploading MTU settings

1. Start up WinHost online mode.
2. In the main window, under **System Request**, click **Setup**.



3. If asked to verify the change, click **OK**.
4. From the command buttons on the right of the main window, click **Get All Settings**.

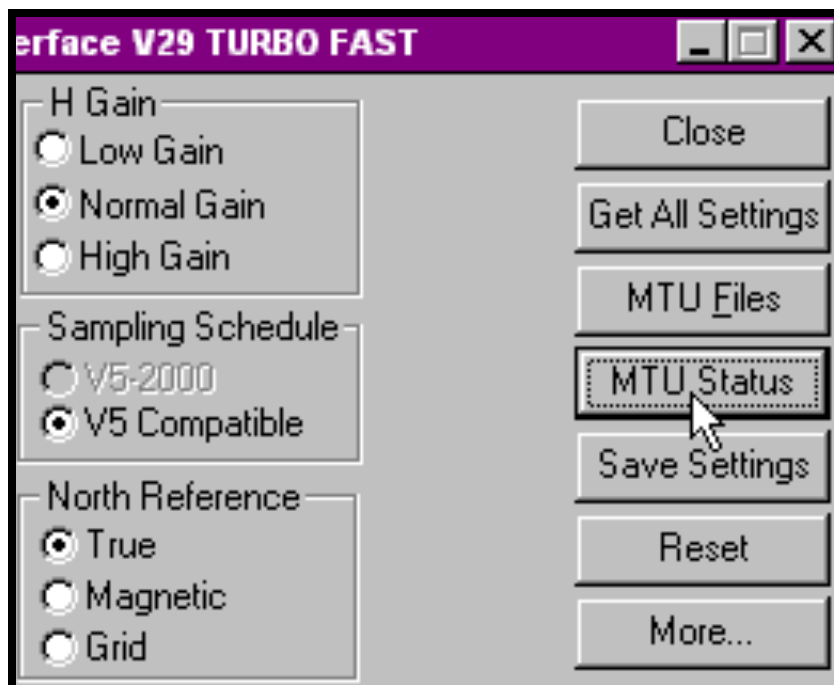
The fields of the main window are updated with the current MTU settings.



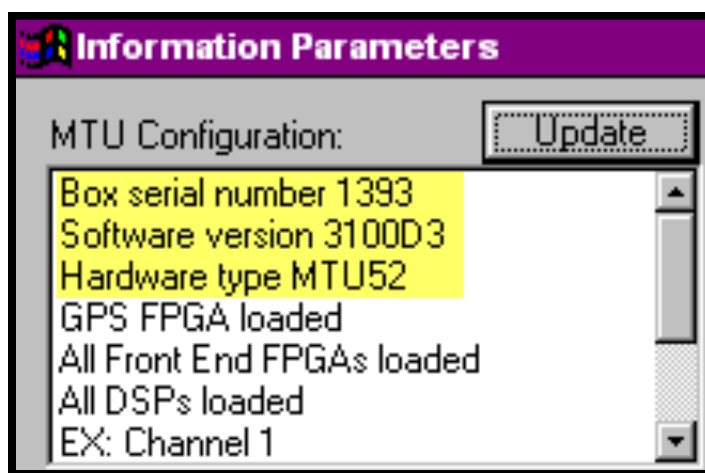
## Recording current status

Before upgrading the MTU operating software, make a note of some current information:

1. From the command buttons on the right of the main window, click **MTU Status**.



2. From the **Information Parameters** window, under **MTU Configuration**, read the Box serial number from the first line, the Software version from the second line, and the Hardware type from the third line. **Make a written record of these three pieces of information.**



**Note:** If the Software version is already 3100D4, you have the most current version and the upgrade is not necessary. Any other



***Software version D should be upgraded by completing these instructions. Software versions A–C should be upgraded by following the instructions in MTU Upgrade from ver A–C.pdf.***

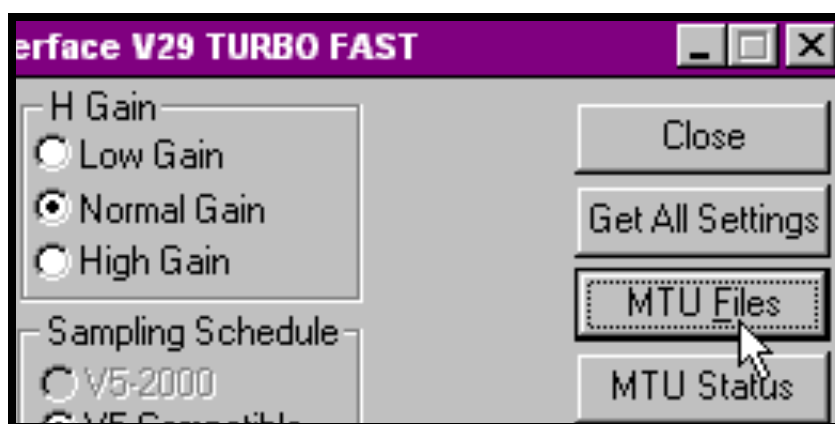
3. Close the **Information Parameters** dialog box.

## **Preserving your data**

The upgrade process will delete any data files on the CompactFlash memory card. Before proceeding further, download any needed files to the PC hard drive.

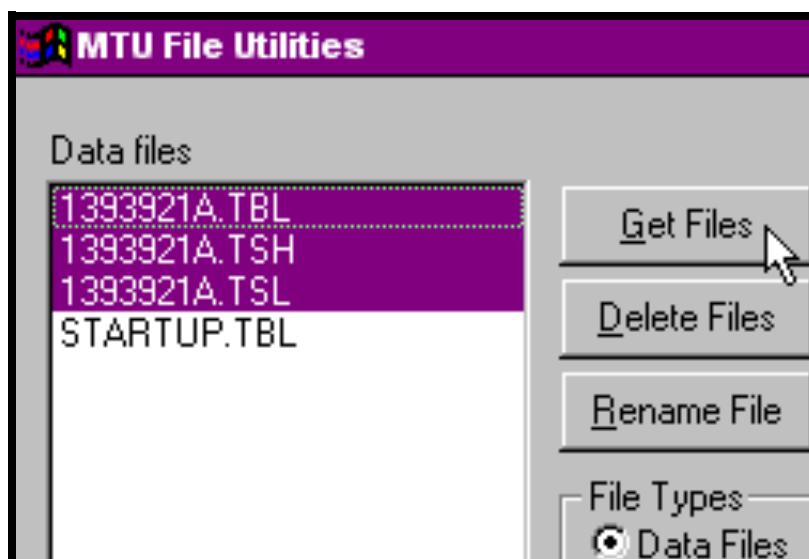
To download data files:

1. From the command buttons on the right of the main window, click **MTU Files**.



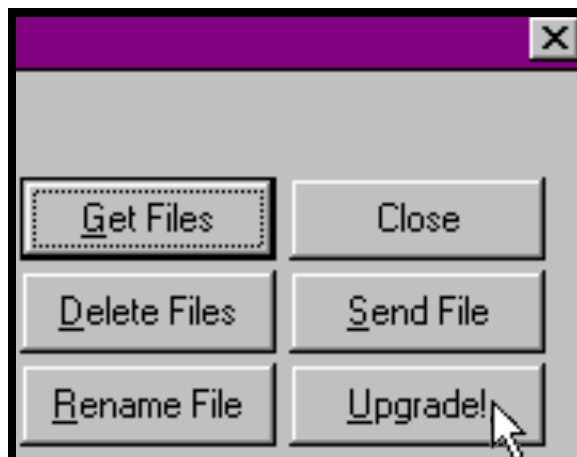
2. In the **MTU File Utilities** dialog box under **Data files**, Shift-click on each of the files you wish to download to the PC.
3. Click **Get Files**.

The progress of the data transfer is shown in the status bar.



## Performing the upgrade

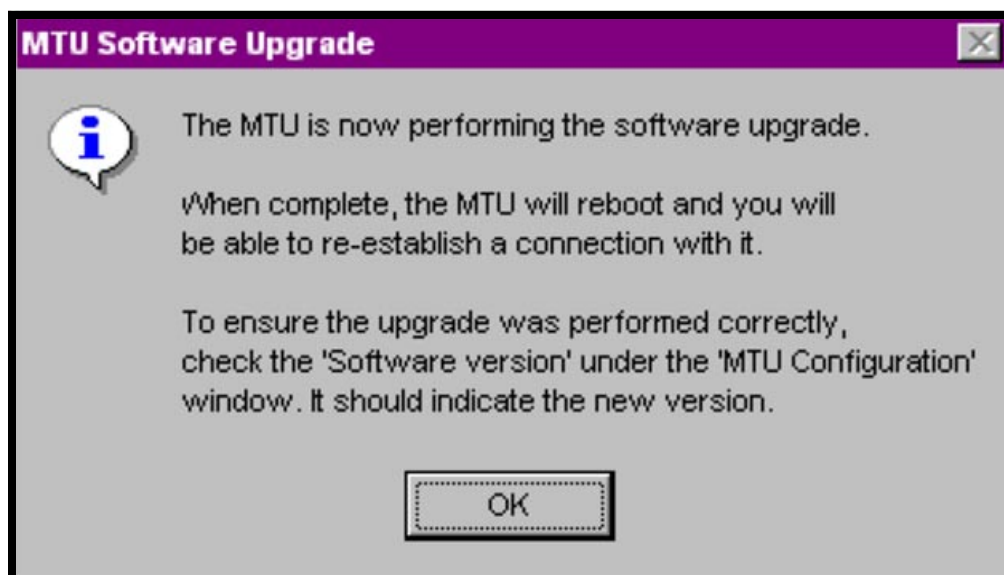
1. From the command buttons on the right of the **MTU File Utilities** dialog box, click **Upgrade!**



2. Click **Browse** and find the .upg file that corresponds to the Hardware type that you wrote down in step 2 of "Recording current status" on page 3.

For example, if your Hardware type is MTU52, find the MTU52.upg file.

3. Double click the .upg file to upload the new operating system to the MTU. WinHost displays the **MTU Software Upgrade** dialog box.

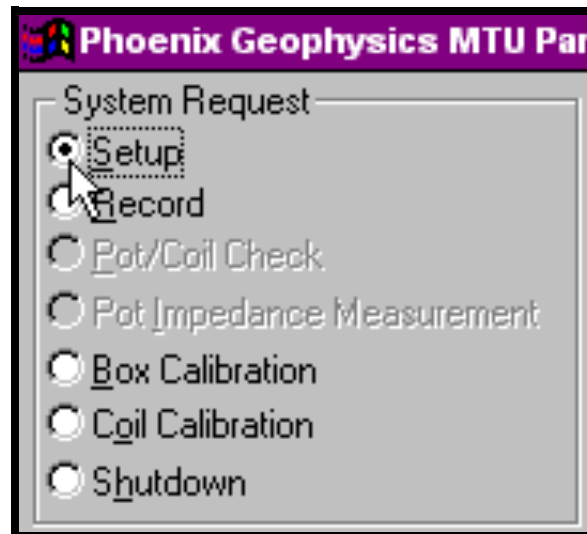


4. Click OK, and watch the LED on the MTU, which will perform two reboots. Wait for the steady LED, indicating that the upgrade is complete.
5. Close the **MTU File Utilities** dialog box.



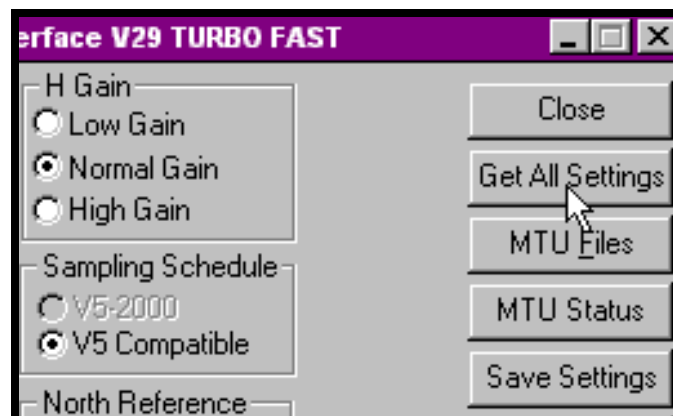
## Verifying the Upgrade

1. In the main window, under **System Request**, click **Setup**.

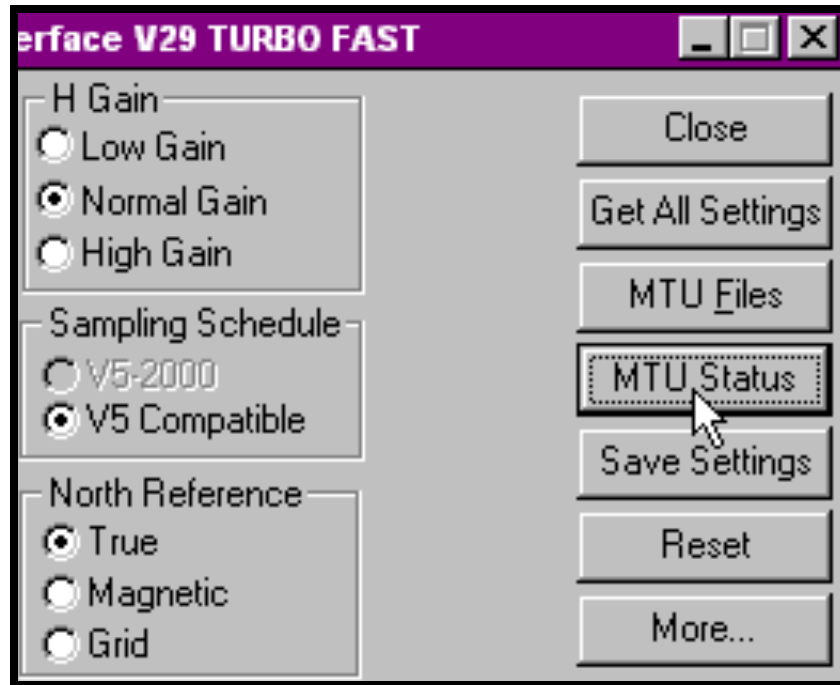


2. If asked to verify the change, click **OK**.
3. From the command buttons on the right of the main window, click **Get All Settings**.

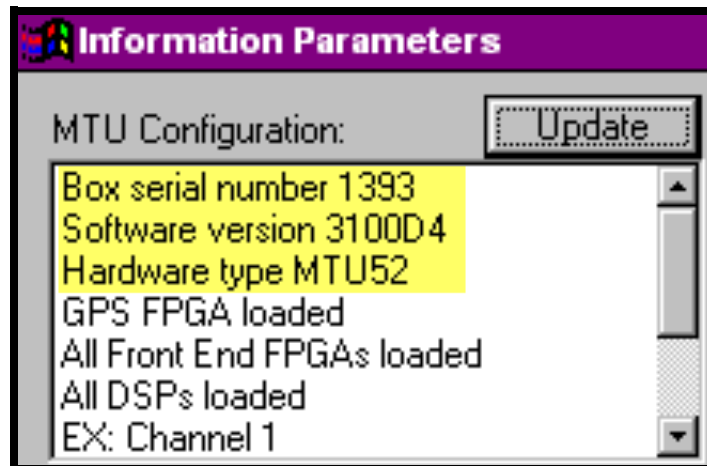
The fields of the main window are updated with the current MTU settings.



4. From the command buttons on the right of the main window, click **MTU Status**.



5. From the **Information Parameters** window, under **MTU Configuration**, verify that the Box serial number and the Hardware type are correct and that the Software version is now 3100D4.



6. Close the Information Parameters window.

## Testing the MTU

Now that the software is current, recalibrate the box and test the MTU for normal operation.