

Upgrade Instructions

FLUKE®

Biomedical

INCU II Firmware version 1.09

Caution: This FW version should ONLY be installed on units with S/N greater than 3600000.

This firmware includes:

- Bug fix to address truncated data files >~4 hours

1. Install firmware update utility from Fluke Biomedical

1.1. Download the INCU II Firmware v1.09 package from Fluke Biomedical.

1.2. Download and install the latest Ansur Executive 3.0 software from

<http://www.flukebiomedical.com/Biomedical/user/Support/software/Ansur-Software.htm>

See Appendix A for assistance completing the Ansur install process. If Ansur 3.0 is already installed then skip to step 1.3 below.

1.3. Open Windows Explorer and navigate to the following folder:

64-bit machines:

[C:\Program Files \(x86\)\Fluke\AnsurMLC](C:\Program Files (x86)\Fluke\AnsurMLC)

32-bit machines:

<C:\Program Files\Fluke\AnsurMLC>

1.4. Rename the existing file **ansurfwu.dll** in the AnsurMLC folder to **ansurfwuold.dll**.

1.5. Copy the new file **ansurfwu.dll** from Fluke Biomedical into the AnsurMLC folder.

1.6. Go to Start > All Programs > Accessories.

1.7. Right-click on the Command Prompt and select “Run as administrator”.

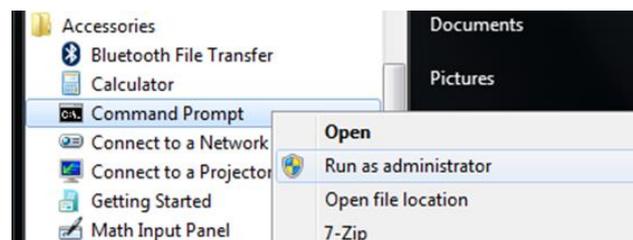


Figure 1 - Command Prompt selection

Upgrade Instructions

FLUKE®

Biomedical

- 1.8. Copy the appropriate regsvr32 line and paste into the Command Prompt window, then press enter (right-click inside the Command Prompt window to access the 'Paste' option):

64-bit machines:

[regsvr32 "C:\Program Files \(x86\)\Fluke\AnsurMLC\ansurFWU.dll"](#)

32-bit machines:

[regsvr32 "C:\Program Files\Fluke\AnsurMLC\ansurFWU.dll"](#)

Figure 2 below shows a successful registration of the DLL:

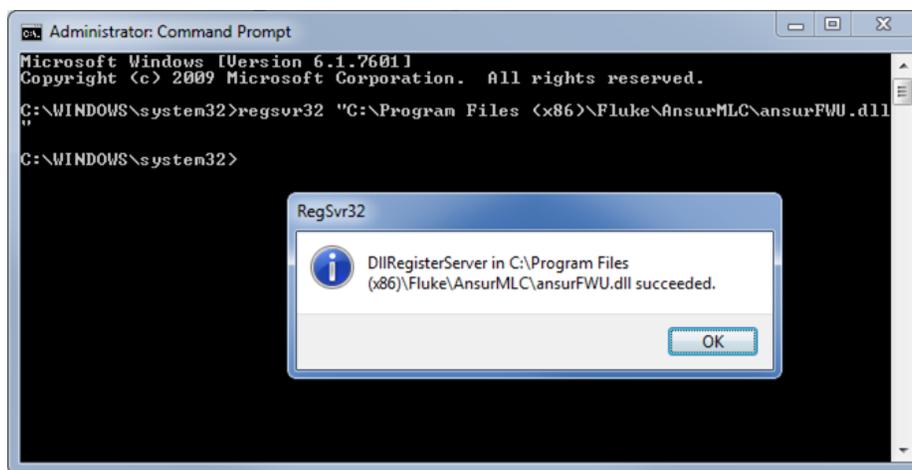


Figure 2 - DLL Registration

Upgrade Instructions

FLUKE®

Biomedical

2. Upload Firmware to INCU II

2.1. Connect INCU to AC adapter.

2.2. Power on the INCU II (leave at main menu) and connect to PC via USB.

2.3. Determine the COM port associated with INCU II via Windows Device Manager:

2.3.1. Open Windows Device Manager

- Click Start Menu.
- Type in 'Device Manager' in the run box.
- Select to open Device Manager from list of displayed options.

2.3.2. Inside the Device Manager application, expand the section labeled 'Ports (COM & LPT)'.

2.3.3. Locate the sub-item labeled 'USB Serial Port' and note the text immediately to the right (e.g. COM1, COM2, etc.) as shown in **Error! Reference source not found.**

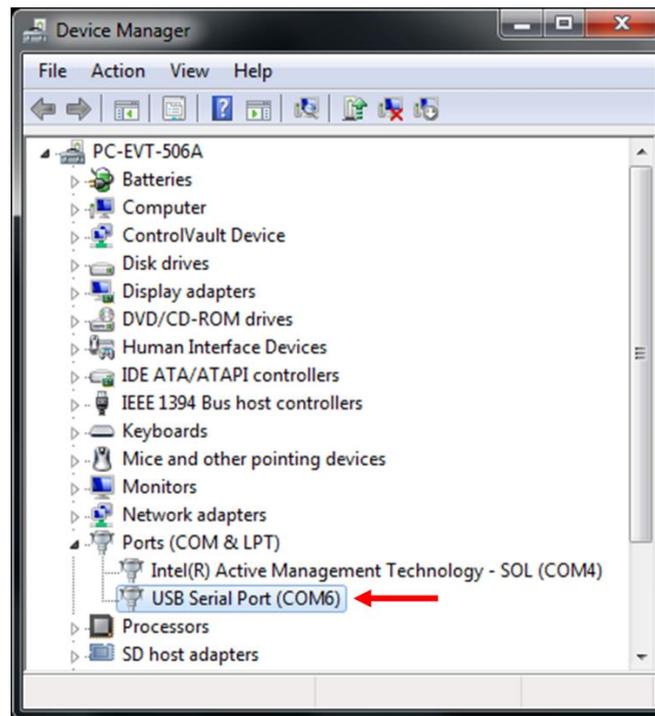


Figure 3 - Device Manager

Upgrade Instructions

FLUKE®

Biomedical

2.4. Click the Start button and navigate to the Fluke program group. Open the 'Update Firmware' program as shown in **Error! Reference source not found.** below:

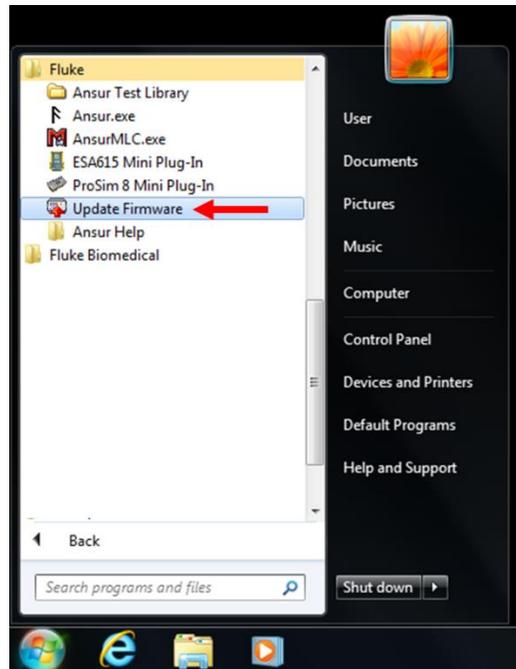


Figure 4 - Update Firmware application on Start Menu

Upgrade Instructions

FLUKE®

Biomedical

- 2.5. Scroll to and select 'INCUII' from the list of devices as shown in **Error! Reference source not found.** Select the COM port associated with INCUII (as noted from Device Manager) in the COM port dropdown menu. Click the 'Next >' button.

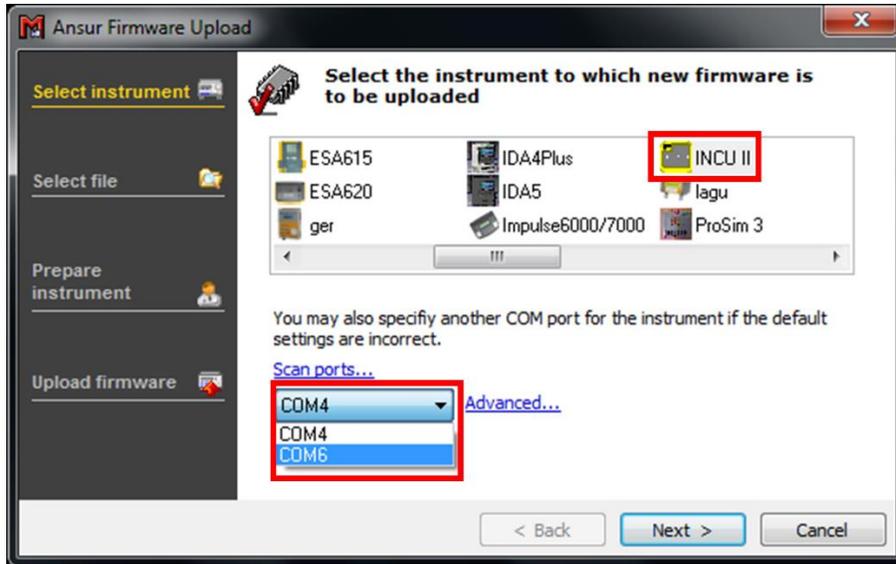


Figure 5 - Instrument selection and configuration

- 2.6. Select the INCUII_v1.09 **firmware** .bin file received from Fluke Biomedical and press the 'Next >' button as shown in Figure 66 below.

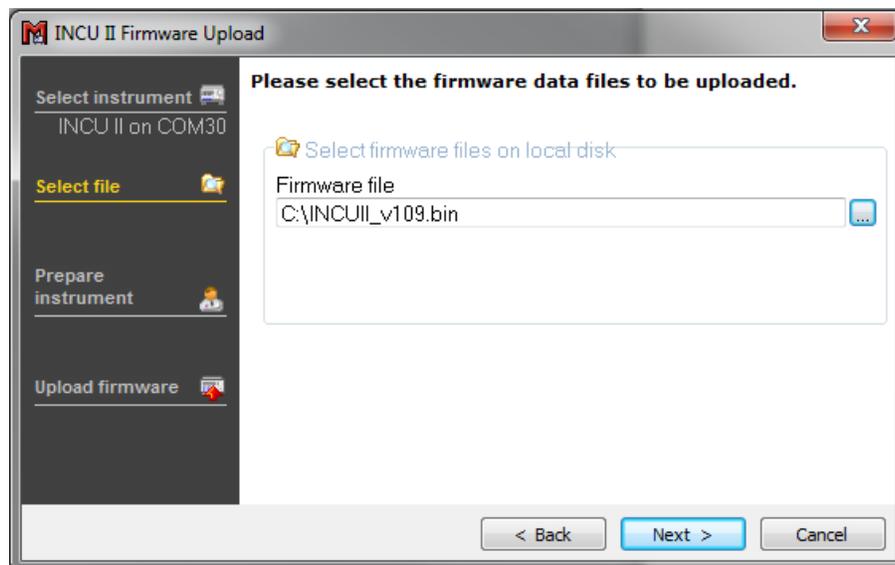


Figure 6 - Firmware file selection



Upgrade Instructions

FLUKE®

Biomedical

- 2.7. If the power button is not illuminated Green on INCU, press the power button to turn on the Analyzer. Verify INCU II is on the main menu.
- 2.8. Click the 'Upload >' button to begin the firmware upload. The update process will complete in approximately 35 minutes.

Warning: Do not disconnect USB, power off the INCU II, or close the application program while the update is in progress or INCU may become unbootable.

User interface will indicate successful completion as shown in 7below.

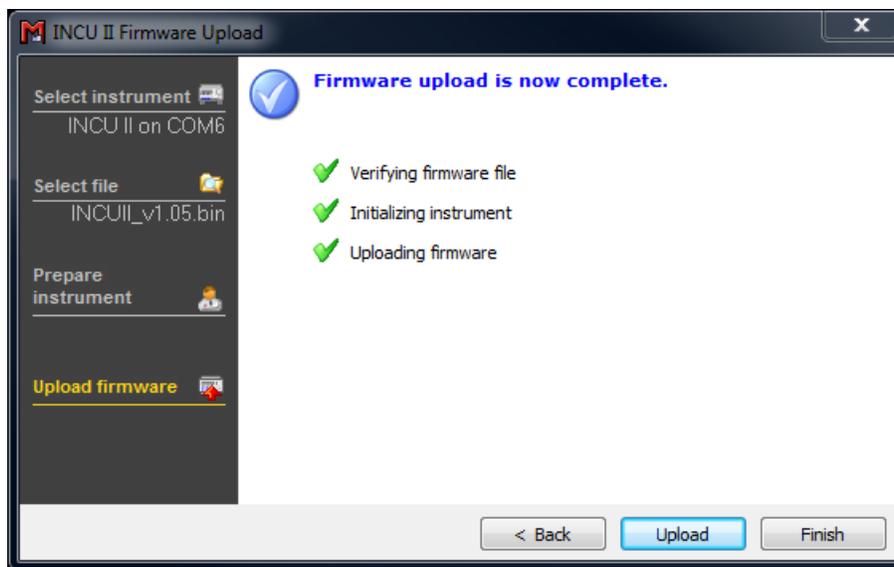


Figure 76 - Firmware upload complete

At this time the Analyzer is ready for use.

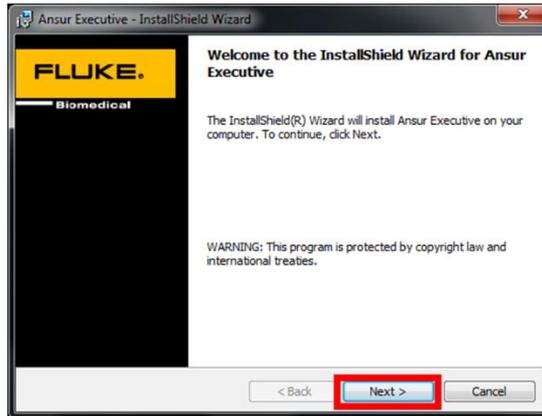
In case of an error on the 'Initializing Instrument' or 'Uploading firmware' steps, check USB connection to PC, ensure power button is illuminated Green, and then press the 'Upload' button to re-attempt firmware upload.

Upgrade Instructions

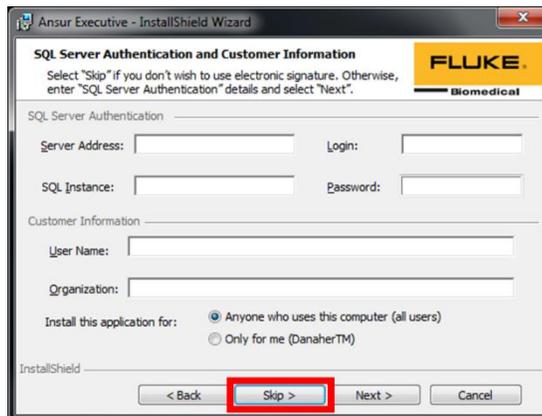


Appendix A – Ansur Executive Installation

1. Run the setup program **Ansur Executive v3.0.0.exe** located inside the Ansur Zip file.
2. Click the 'Next >' button to progress through the introduction and license agreement screens as shown:



3. Click 'Skip >' on the SQL Server Authentication and Customer Information page and click 'Install' on the screen following:

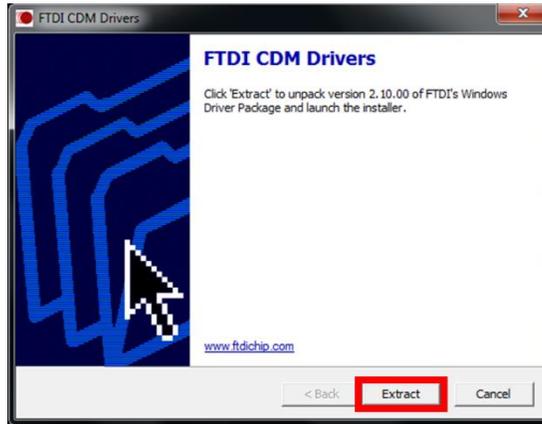


Upgrade Instructions

FLUKE®

Biomedical

4. Click 'Extract' when prompted in the FTDI CDM Drivers screen as shown:



5. Click 'Next >' and 'Finish' buttons when prompted in the two Device Driver Installation Wizard screens as shown:

