

# HCS Software Download Tool Procedure

## Purpose

These instructions detail the process of upgrading the HCS Software using the HCS Software Download Tool. This procedure is relevant to the DocuColor 2045/2060 and DocuColor 6060 products using High Capacity Stackers.

## Prerequisites

- HCS SW Download Tool (V1.1 or greater) loaded on the PWS
- FFIU Software V1.010 for DocuColor 2045/2060
- FFIU Software V2.1 for DocuColor 6060
- Serial Cable Adapter Tool (600T02185)
- Serial Cable (600T02056)

## Procedure

**NOTE:** The PWS should be plugged into an AC power source to prevent loss of battery power during the software download.

1. Power off the IOT.
2. Disconnect the HCS Communications Cable(s) from the rear of the HCS.
3. Remove the HCS Rear Cover and insert the interlock tool in the Interlock Switch.
4. Check the HCS software version.
  1. Enter the HCS Diagnostics (press 6, 7, 8, 9, #).
  2. Enter 1, 3, 1, #, 3, #, to see the software version. If version 3.0.43 is displayed, exit this procedure.
5. Remove the interlock tool.
6. (Figure 1): Disconnect the harness from the XMON connector.
  1. Disconnect the connector.

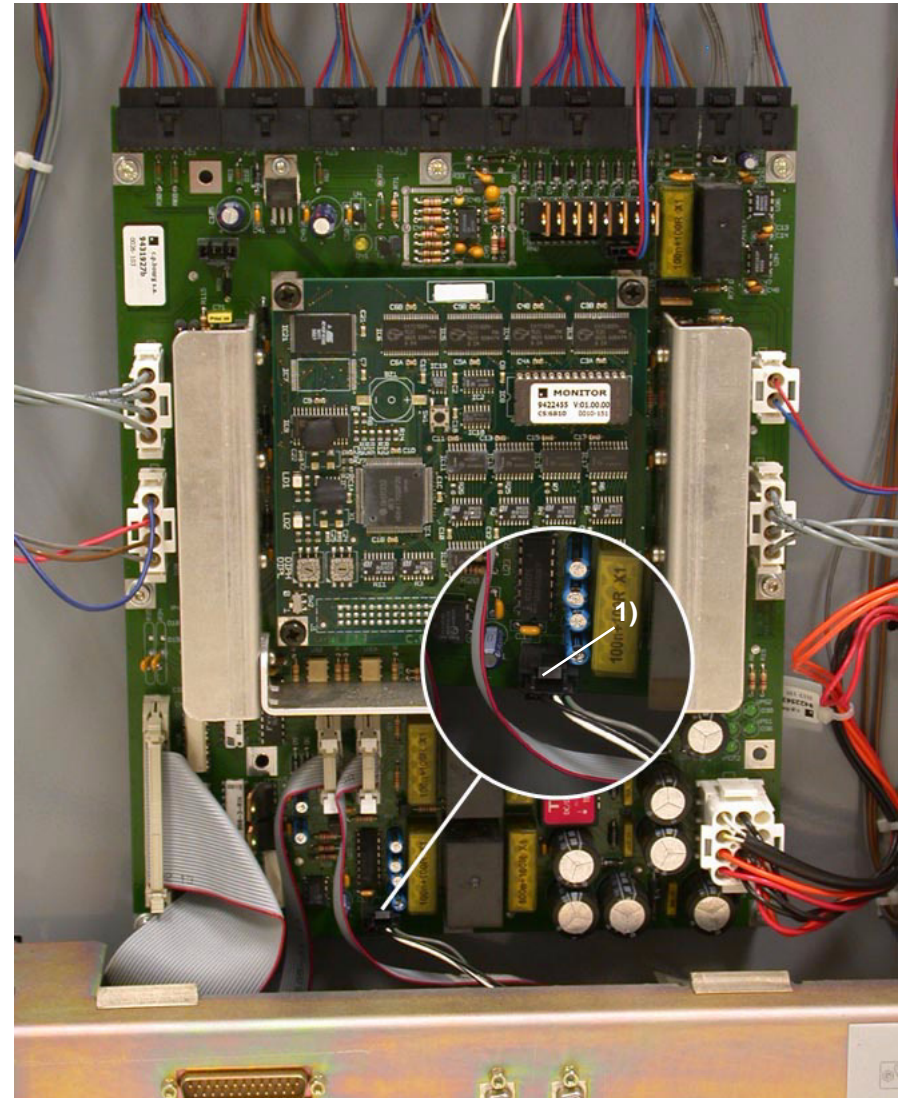


Figure 1 Disconnecting the XMON connector

7. (Figure 2): Connect the PWS to the HCS I/O PWB.
  1. Connect the Serial Cable to the Adapter Tool.
  2. Connect the Serial Cable Adapter Tool to the XMON connector on the I/O PWB.
  3. (No Figure): Connect the other end of the Serial Cable to the PWS serial port.

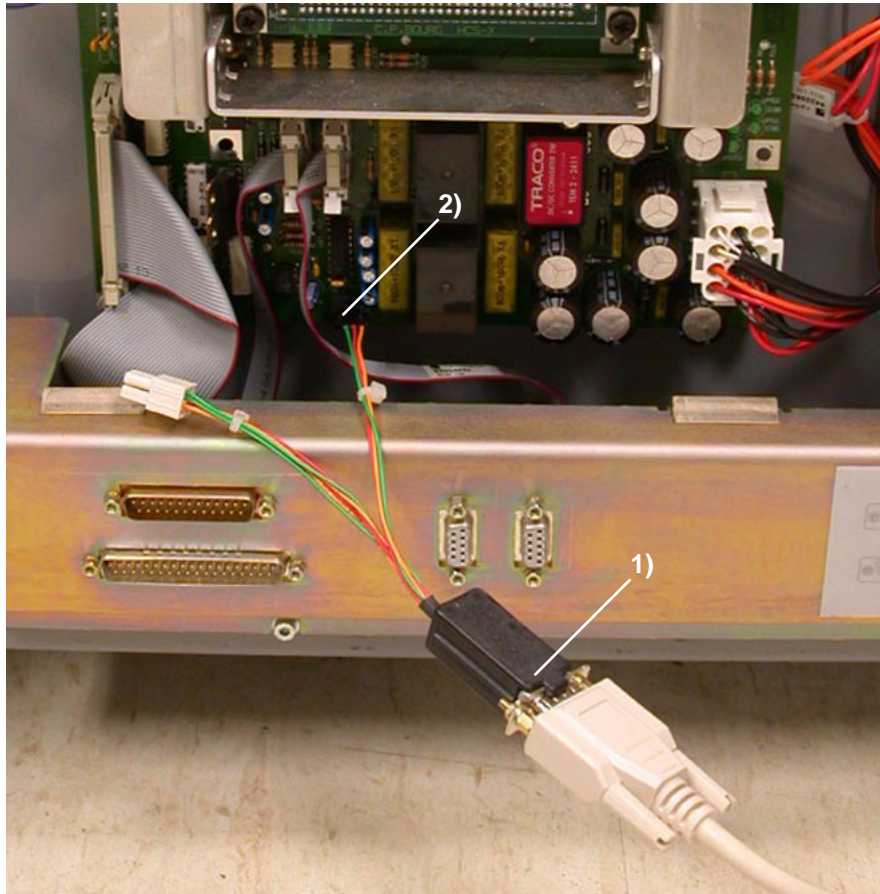


Figure 2 Connecting the PWS

8. Start the DCxxx HCS Software Download Tool on the PWS, where "xxx" is the product number of the IOT.
9. Select the **"Select File"** button, and browse to the file to be downloaded. The file should be located on the System Software CD in the HCS folder. Choose (double click) on the SF3043.m16 file to download.
10. Select the **"Connect"** button.
11. Insert the interlock tool in the Interlock Switch.
12. (Figure 3) and (Figure 4): Prepare the CPU PWB for download.
  1. Set switch SW2 to "0".
  2. Press the Reset button (SW1).
  3. The terminal window displays the text as shown in Figure 4.

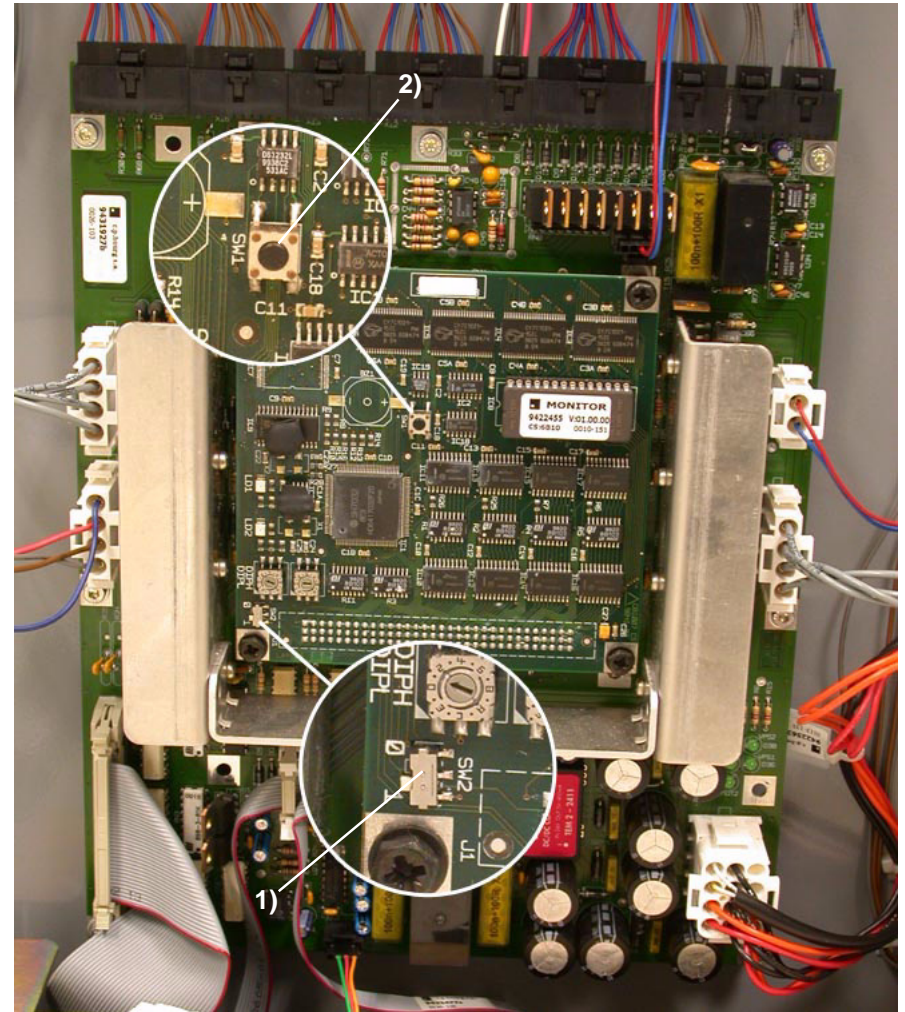


Figure 3 Preparing the CPU PWB

```
Board Identifier: FF
Dip value: 1
Press any key to continue
```

Figure 4 CPU PWB startup

13. Press the space bar on the PWS keyboard. The Download Tool terminal window should display a text-based menu.



14. (Figure 5): Press **D** ("Download motorola") to begin the download. The Download Tool terminal window should display the following:

```
SH7032>  
Erasing...  
Ready for download
```

Figure 5 Erasing the Flash ROM

15. Once the text "Ready for download" appears in the terminal window, select the **Download** button.
16. (Figure 6): The following screen will appear showing the progress of the download.

**NOTE:** It takes approximately 3-5 minutes for the SF3043.m16 file to download.

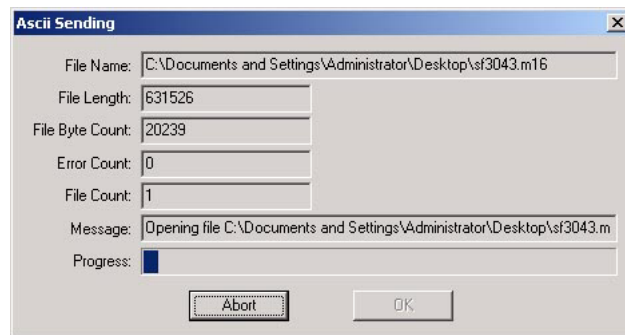


Figure 6 Download window

17. When the download is completed, click **OK**. The terminal window should display that the download completed successfully.
18. Set the switch SW2 on the CPU PWB to "1".
19. Press the RESET button (SW1) on the CPU PWB.
20. Click the **Disconnect** button.
21. Click the **Close** button to shutdown the HCS Software Download Tool.
22. Disconnect the HCS Software Download Cable and reconnect the XMON Connector.
23. Verify the software version.
1. Enter the HCS diagnostics (press 6, 7, 8, 9, #).
  2. Enter 1, 3, 1, #, 3, #, to read the software version number.
  3. Ensure that the version displayed is 3.0.43.
24. Remove the interlock theater and replace the HCS Rear Cover.
25. Connect the Communications Cable(s) to the rear of the HCS.
26. Power On the IOT.