1.13   Software and Firmware Upgrades

1.13.1   Viewing Software Revision

The software revisions running on the Druck DPI 620 Genii can be viewed by selecting:

DASHBOARD >>   (i) STATUS >> SOFTWARE BUILD

Note: If the software revision number is highlighted red then an upgrade is available.

1.13.2   Upgrading the Software

Follow the website instructions to download the files onto a USB flash memory device.

www.ge-mcs.com

1. Select:

    DASHBOARD >>   Å   ADVANCED

2. Enter the calibration PIN: 5487

3. Select the ✔ button.

4. Select:

    UPGRADE

5. Continue with one of these operations:

- **Upgrade the Application software and SDC625 Application.**

    1. Copy the 'AMC' application folder into the root of a USB flash memory device.

    2. Put the USB flash memory device in the USB type A connector.

    3. Select:

        APPLICATION

    4. Follow the on-screen instructions.

    Note: The SDC625 HART® Application can only be upgraded as part of an application upgrade.

- **Upgrade the Operating System and Bootloader software.**

    1. Create a folder named 'OS' in the root of a USB flash memory device.

    2. Copy the files 'DK418.nb0' and 'DK419.nb0' into the 'OS' folder.

    3. Put the USB flash memory device in the USB type A connector.

    4. Select:

        OPERATING SYSTEM

    5. Follow the on-screen instructions.

    Note: The bootloader can only be upgraded as part of an operating system upgrade.

- **Upgrade the HART processor Application and Boot Loader**

    1. Create a folder named 'HART' in the root of a USB flash memory device.

    2. Copy the files 'DK416.s19' and 'DK417.s19' into the 'HART' folder.

    3. Put the USB flash memory device in the USB type A connector.

    4. Select:

        HART APPLICATION

    5. Follow the on-screen instructions.

    Note: The HART bootloader can only be upgraded as part of an HART application upgrade.

- **Upgrade the CH1 FPGA**

    1. Create a folder named 'FPGA' in the root of a USB flash memory device.

    2. Copy the files 'DK413.bin'' into the 'FPGA' folder.

    3. Put the USB flash memory device in the USB type A connector.

    4. Select:

        CH1 FPGA

    5. Follow the on-screen instructions.

    Note: The CH2 cannot be remotely upgraded .

- **Upgrade the HART Device Library**

  By default the HART device library is stored on the micro SD Card.

  1. Set the DPI620 Genii USB client port to Storage Device mode by selecting:

  DASHBOARD >>   DEVICES >> USB CLIENT PORT

  2. Locate the self-extracting file 'DPI620_DD_library_20**_*.exe'

  3. Connect DPI620 Genii Client USB port to PC USB port. Device will connect to PC as a Removable Disk.

  4. Run 'DPI620_DD_library_20**_*.exe' and extract files to the Removable Disk (this will take several minutes due to the large file size).

  **_* indicates the DD release version from the HART foundation.

  The required directory structure on the micro SD card is shown in Figure 1-7 Hart DD Directory Structure.
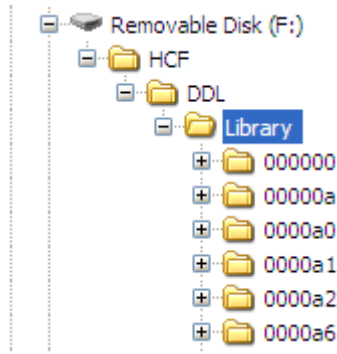
Figure 1-7 Hart DD Directory Structure

Note:

- *If a mistake is made during upgrade and there are no files to upload, follow the on-screen instructions and complete the procedure.*

- *When an upgrade completes normally, the initial operation of the touch screen may be slower (a period of approximately 30 seconds).*

- *To make sure the upgrade completed correctly, use the Status menu.*