

DIGICHEM Plus Gen II Firmware Upgrade via USB Drive

rev 1.4

There are 3 steps to upgrade the firmware on a DIGICHEM Plus+ Gen II:

1. Obtain Firmware files from CWC
2. Prepare the USB drive
3. Upgrade DIGICHEM Plus+ GEN II Controller Firmware with USB drive

Step 1: Obtain Firmware files from CWC

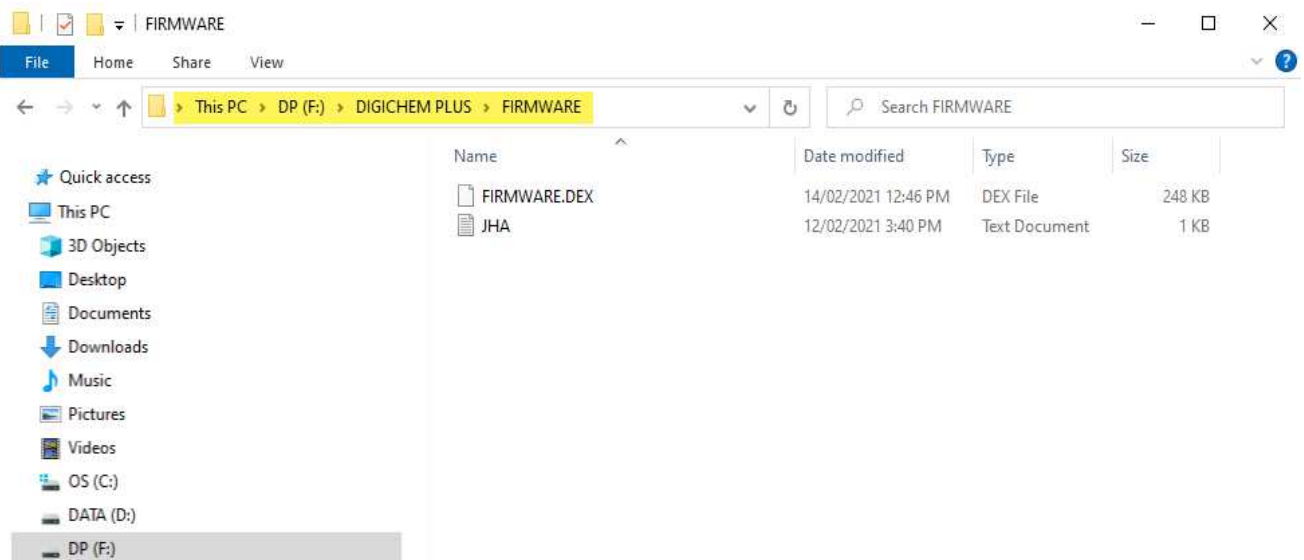
Download the following files from <https://cwc.com.au/downloads/software/>

- FIRMWARE.DEX
- JHA.txt

Step 2: Prepare the USB drive

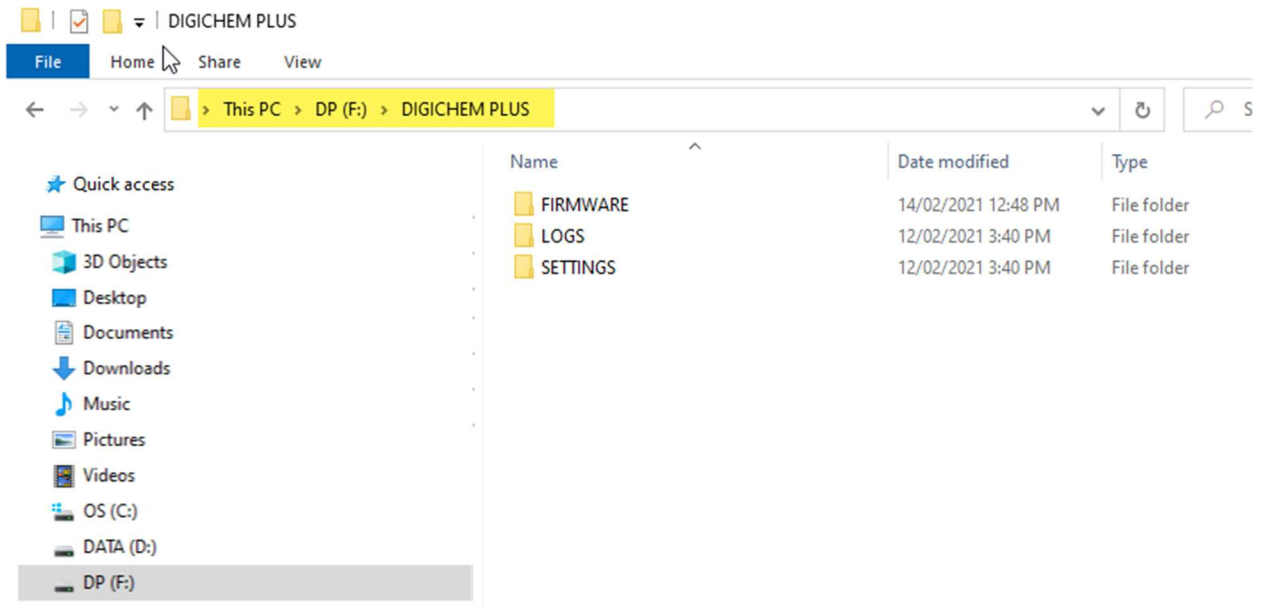
Option 1: Required Folder structure has already been created on USB drive
(i.e. either Option 2 or Option 3 have previously been performed)

1. Insert USB drive into any computer's USB port.
2. View contents of USB drive in File Explorer
3. Navigate to \DIGICHEM PLUS\FIRMWARE folder (see image below)
4. Copy both FIRMWARE.DEX and JHA.txt files into this folder (replace files if prompted to do so)
5. Proceed to **Step 3**

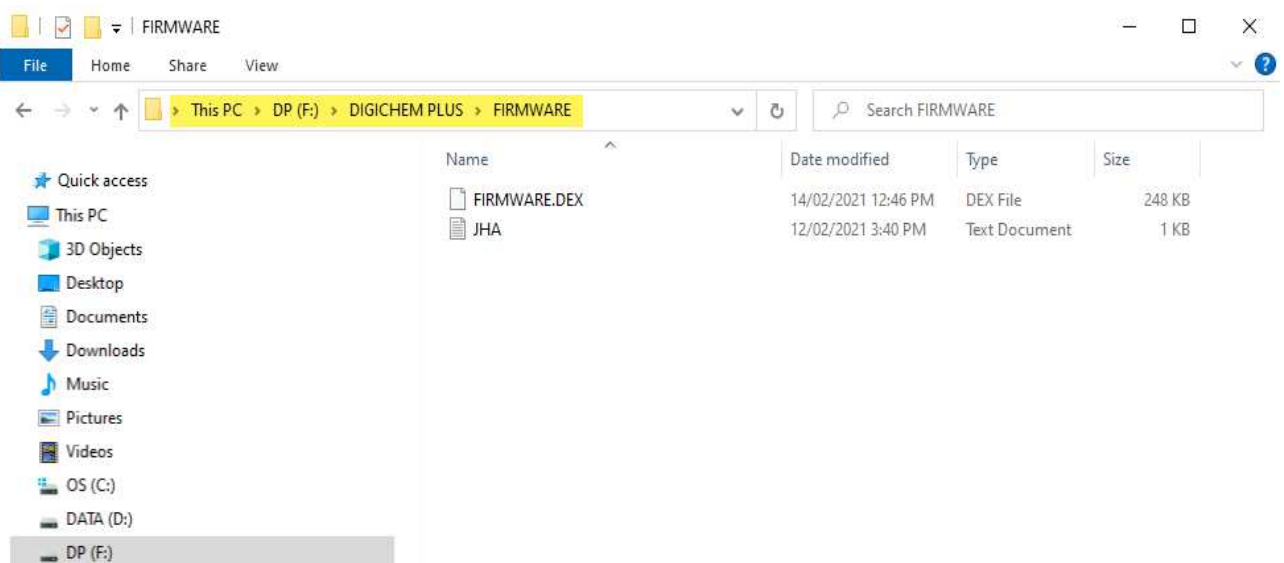


Option 2: Creating Required Folder Structure on USB drive manually

1. It is recommended to use a blank USB drive
2. Insert USB drive into any USB port on computer
3. In File Explorer create a New Folder called "DIGICHEM PLUS" on the USB drive.
4. Open the "DIGICHEM PLUS" folder and create three new folders: "FIRMWARE", "LOGS" and "SETTINGS" (see image below).

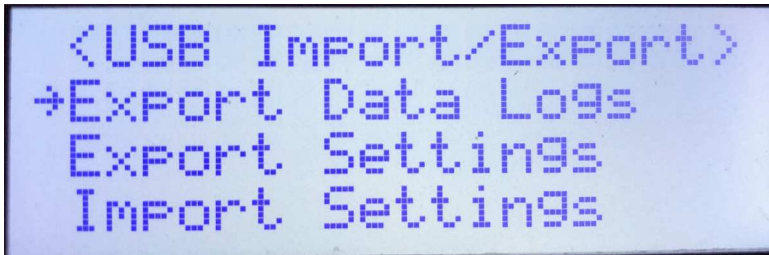


5. Navigate to \DIGICHEM PLUS\FIRMWARE folder (see image below)
6. Copy both FIRMWARE.DEX and JHA.txt files into this folder (see image below).
7. Proceed to **Step 3**

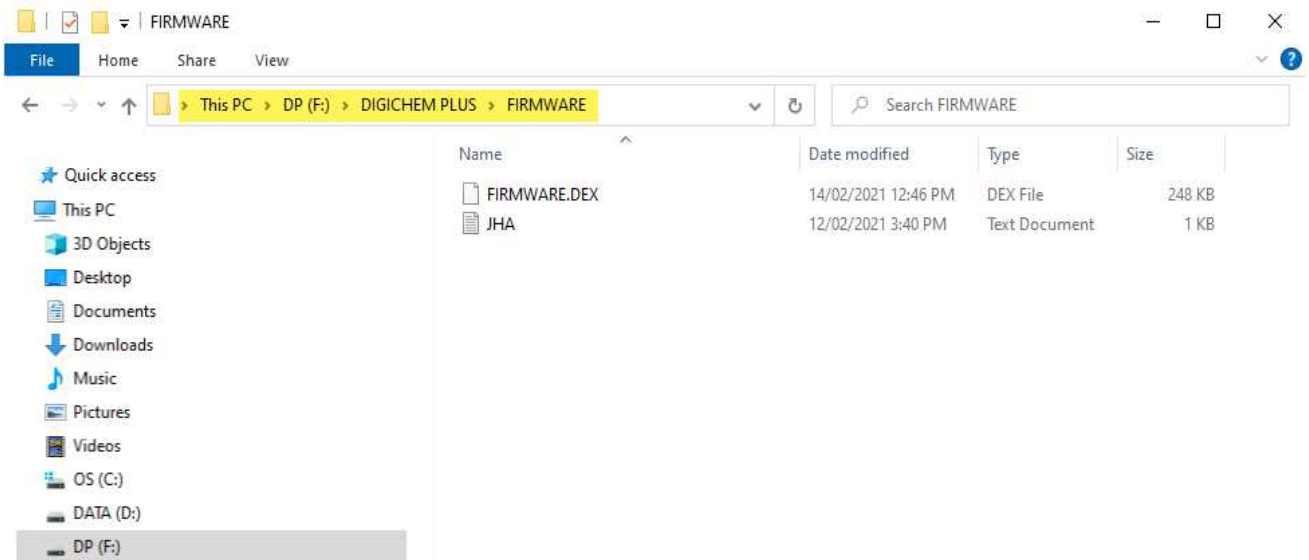


Option 3: Create Required Folder Structure on USB drive using a DIGICHEM Plus+ GEN II controller

1. It is recommended to use a blank USB drive
2. Insert USB drive into DIGICHEM Plus+ controller USB socket
3. Remove USB drive when the following menu appears

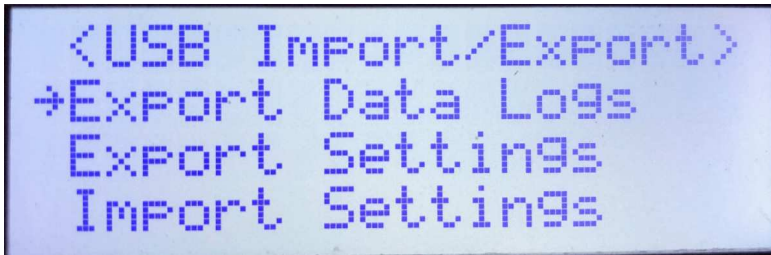


6. Insert USB drive into any USB port on computer
7. View contents of USB drive in File Explorer
8. Navigate to \DIGICHEM PLUS\FIRMWARE folder (see image below)
9. Copy both FIRMWARE.DEX and JHA.txt files into this folder (replace files if prompted to do so)
10. Proceed to **Step 3**



Step 3: Upgrade DIGICHEM Plus+ GEN II Controller Firmware with USB Drive

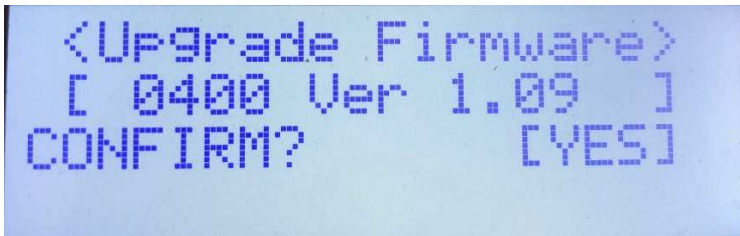
1. Insert USB drive to the DIGICHEM Plus+ controller's USB socket.
2. The following Menu will appear



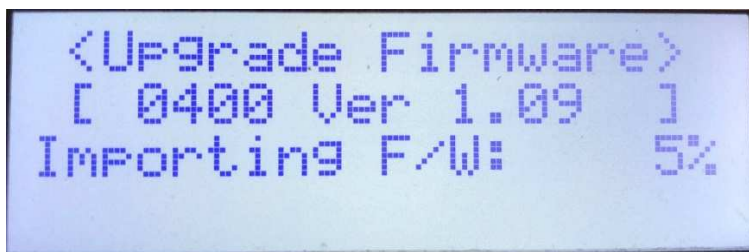
3. Navigate to "Upgrade Firmware" using the down or up buttons, as displayed below.



4. Press ENTER and following will be displayed



5. Check if the Firmware version displayed is the desired one. (In the example above 0400 is the firmware type and 1.09 is the revision/version number.
6. Choose YES and press ENTER
7. The Firmware upgrade progress is displayed



8. When the firmware upgrade is complete, the controller will automatically reboot itself.
9. Remove USB Drive from DIGICHEM Plus+ USB socket.

Appendix A

DIGICHEM Plus+ (DP+) Gen II USB Supported Formats

	Windows	
Format	Creating folder using DP+	Creating Folders manually
FAT-32	✓	✓
ExFAT	-	-
MS-DOS FAT	-	-
Mac OS Extended	-	-
NTFS	-	-
FAT	✓	✓

	Mac	
Format	Creating folder using DP+	Creating Folders manually
FAT-32	✓	✓
ExFAT	-	-
MS-DOS FAT	✓	✓
Mac OS Extended	-	-
NTFS	-	-
FAT	✓	✓

NOTES:

The DIGICHEM Plus will show USB Menu on display when USB drive in socket, however, firmware update, data download, export/import settings will not work if USB drive has unsupported format as above

If upgrading from S0400 ver 1.11 to later version, the update procedure might seem to fail, but when it “hangs” if you unplug USB and reboot controller, it should have completed the updated successfully. You can confirm the version by holding down the RED button on the controller.