

TECHNICAL NOTE

Date: April 2024



Ref: TN607

Raised by: DB/RW

Distributed to : As Required

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Upgrading Quantum8 to V1879

These instructions will guide you through updating your QUANTUM8 Console to the latest release.

V1879 is the latest release.

Please read and follow the instructions carefully and do the upgrades in the order shown.

Allow yourself plenty of time to perform these upgrades.

The following table lists the versions and codes you will end up with after performing this update.

Description	Version 1861	Version 1879
Software	18.0.1861	18.0.1879
Engine: SHARC 1	07/12/2023	07/12/2023
Engine: SHARC 2	07/12/2023	07/12/2023
Engine: SHARC 3	07/12/2023	07/12/2023
Engine: SHARC 4	08/01/2024	27/02/2024
Engine: SHARC 5	08/01/2024	27/02/2024
Engine: FPGA 1	01/11/2023	01/11/2023
Engine: FPGA 2	20/09/2023	28/02/2024
Engine: FPGA 3	20/09/2023	28/02/2024
Engine: FPGA 4	25/08/2023	25/08/2023
Engine: FPGA 5	25/08/2023	25/08/2023
Engine: Host	V105	V106
Q8 Upper Worksurface	0.27	0.30
Q8 Lower Worksurfaces	0.27	0.30
Local IO	0.20	0.26
Q8 Switcher	0.21	0.22
Q8 CPU Switcher	10.2	10.3

Disconnect All Optocore, MADI, Local I/O Audio and Headphone Connections before proceeding with this upgrade.

On both the A & B Engines

1. Go to **System>Quit to Windows**. Both engines should enter **Quantum Home**
2. Unzip and copy the Software Updater **Quantum8_V1879z_Updater.exe** onto a suitable USB Key and insert into the upper master worksurface USB Socket on the QUANTUM8.

On Engine A

3. Click Settings (bottom left corner) and then File Browser. On recent consoles, File Browser will be on visible on Quantum Home. Navigate to your USB Key and run **Quantum8_V1879z_Updater.exe** from your USB Key.
4. Click **Install** and follow any on screen instructions. The updater will install the required updates, application software, and backup your current QUANTUM8 application folder.



5. Once the installer has finish, Quantum Upgrade should run. If it does not, click on **Quantum Upgrade** to start the program.



6. In Quantum Upgrade, for each device, you will see the current running version in the “running” column, with the new version in the “available” column. The available version is based on the corresponding file in D:\QUANTUM8 directory.

Please update any item that has a **Green Tick** in the **Required** column in the order shown below. From V1861 to V1879 the following require upgrading.

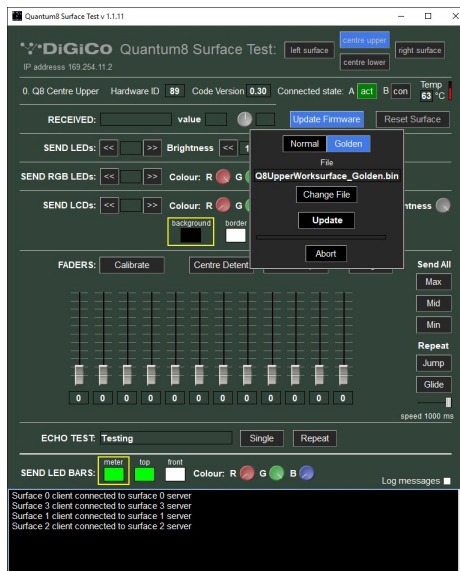
SHARC 4 & 5
FPGA 2 & 3
Upper Worksurface
Lower Worksurfaces (x3)
Local IO
Switcher
CPU Switcher
Host

The Green ticks in the required column may still be visible for a short time after the upgrade is complete while the worksurface reset is completed.

If a **host update** is required, please **power cycle** the console once the update is complete as instructed.

If a **Host Upgrade** is not required, once all upgrades are complete, please close **Quantum Upgrade** and go to **Step 8**

7. Once the console restarts, on both Engines go to **System>Quit to Home**. Both engines should enter **Quantum Home**
8. Using the Worksurface A/B button, ensure you are on the A Engine.
9. In Quantum Home, click on **Settings>File Browser** and navigate to **D:\Quantum8**.
10. In D:\Quantum8, locate **Surface_CPU_Updater.exe** and double click the file to run this program.
11. Click the **“Update all”** button located in the top right corner. The upgrade will begin.
12. Once all the lines are green, the upgrade is complete. Please close the program.
13. In D:\Quantum8, locate and run **Quantum8_SurfaceTest.exe**. The Program will open and the **centre upper** surface will be selected.
14. Click **Update Firmware**, Click **Golden**. The File name should show **Q8UpperWorksurface_Golden.bin**.



15. Click **Update**. The file transfer will begin.
16. Once the file transfer has finished, the Update panel will close and Upper Worksurface will reset once the update is complete.
17. Select **Left Surface**.
18. Click **Update Firmware**, Click **Golden**. The file name should show **Q8LowerWorksurface_Golden.bin**.
19. Click **Update**. The file Transfer will begin.
20. Once the file transfer has finished, the Update panel will close and Upper Worksurface will reset once the update is complete.
21. Repeat Steps 17-20 for the **Right** and **Centre Lower** Worksurfaces.
22. Once the Golden Update has been completed on all 4 worksurfaces, close **Quantum8_SurfaceTest.exe**.
23. **Now Switch to Engine B**
24. Repeat steps 3-6 on Engine B.

Please note that only **SHARC 4, 5 FPGA 2 & 3** and the **Engine Host** require upgrading.
 No other devices will require upgrading from the B engine.
 The Worksurfaces, Switchers and local IO may not be visible in Upgrade Quantum on Engine B. This is expected.
25. Once all upgrades are complete, In Quantum Home, go to **Settings>Power>Power Off** and power off both Engines.
26. Power on the console.

You should now check that all the components have updated correctly in the Diagnostics Panel.

Open this from the System Menu > Diagnostics.

The First Tab (Console) will show the version for any serial devices you have updated.

The right-hand section of this window lists the Serial devices, and in the code column, you can see the version running. These should match the new release versions listed at the start of this document. If they do not, it is likely that the upgrades have failed, and you should repeat the upgrade process (from step 5) using the Upgrade Quantum application in Quantum Home.

The second Tab (Engine) will show the Engine Codes you have updated. Confirm that the Host, SHARC & FPGA Codes Downloaded Dates match the date listed on the first page of this document.

If, after following all the instructions, you cannot upgrade your QUANTUM8, please contact DiGiCo Technical Support.
