

TECHNICAL NOTE

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Upgrading Quantum 2 to V21xx

These instructions will guide you through updating your QUANTUM 2 Console from V2025 to the latest release.

V21xx replaces V2025 as the latest release.

The required Firmware upgrades are shown in the table below.

Please note, as of V1742, there are now four FPGA code variants on the Quantum 225 Local IO. UpgradeQuantum will only display the correct one for the console. All four dates are listed in the table.

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 2025	Version 21xx
Software	20.0.2025	21.0.21xx
Quantum Home	1.2.1	1.2.1
Worksurfaces	1.5	1.26
Local I/O DFU	143	143
Local I/O FPGA	07/12/2020	07/12/2020
	31/08/2021	31/08/2021
	30/07/2021	30/07/2021
	04/08/2021	04/08/2021
Engine: HOST	39	39
Engine: SHARC 1	28/01/2025	15/04/2025
Engine: SHARC 2	08/03/2024	08/03/2024
Engine: SHARC 3	06/02/2025	06/05/2025
Engine: FPGA 1	02/07/2021	02/07/2021
Engine: FPGA 2	09/05/2019	09/05/2019
Engine: FPGA 3	12/11/2020	12/11/2020
SD-Rack: Rack8b.bin	21/09/2016	21/09/2016
SD-Rack : Rack8b.bit	05/07/2012	05/07/2012
D2-Rack: D2rack.bin	03/11/2017	03/11/2017
D2-Rack:D2rack.bit	28/08/2023	28/08/2023
Optocore V221 Firmware	V5R3	V5R3

Disconnect All Optocore, MADI, Local I/O Audio and Headphone Connections before proceeding with this upgrade. Using the Master Screen System Menu, select Quit to Windows – this will open Quantum Home.

1. Unzip and copy the Software Updater **Quantum2_V21xxz_Updater.exe** onto a suitable USB Key and insert into a free USB Socket on the QUANTUM 2.
2. Click Settings (bottom left corner) and then File Browser. Navigate to your USB Key and run **Quantum2_V21xxz_Updater.exe** from your USB Key. This updater will install the required updates, application software and backup your current QUANTUM 2 application folder.



3. Once the installer is complete, In Quantum Home, click on **"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:\QUANTUM 2 directory. Now proceed with the console firmware updates by pressing the corresponding **update** button in the order specified below. If you are upgrading from V2025, you will need to update the following codes:

Engine Codes for Sharc 1 & 3 Worksurfaces (x2)

If you are upgrading from a version earlier than V2025, they may be additional updates to perform.

V21xx contains firmware updates for the following DMI Cards.

None

4. Once all upgrades are complete, please close **Quantum Upgrade**. Check the locked status in the bottom right corner of the home screen. If your console is unlocked, click Settings (bottom left corner) and then Advanced Settings and lock the console. If your console is locked the process is complete.

If, after following all the instructions, you cannot upgrade your QUANTUM 2, please contact DiGiCo Support.