TECHNICAL NOTE

Date: October 2022

Ref: TN574
Raised by: RW
Distributed to : As Required

Upgrading Quantum 2 to V1619

These instructions will guide you through updating your QUANTUM 2 Console from V1528 to the latest release.

V1619 replaces V1528 as the latest release.

The required Firmware upgrades are shown in the table below.

Please note, as of V1619, 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 1528	Version 1619
Software	15.0.1528	**16.0.1619**
Quantum Home	1.2.0	**1.2.1**
Worksurfaces	1.4 (1.4 G)	**1.5** (1.4 G)
Local I/O DFU	135	**143**
Local I/O FPGA	07/12/2020 31/08/2021 30/07/2021 04/08/2021	07/12/2020 31/08/2021 30/07/2021 04/08/2021
Engine: HOST	39	39
Engine: SHARC 1	17/11/2021	**05/07/2022**
Engine: SHARC 2	09/07/2021	09/07/2021
Engine: SHARC 3	09/07/2021	09/07/2021
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	01/04/2014	01/04/2014
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_V1619z_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_V1619z_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 V1528, you will need to update the following codes:

<div align="center">

SHARC 1
WORKSURFACES
LOC IO DFU

</div>

If you are upgrading from a version earlier than V1528, they may be additional updates to perform.

V1619 contains firmware updates for the following DMI Cards.

<div align="center">

None

</div>

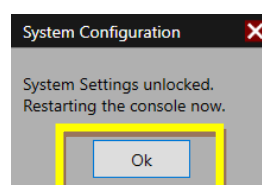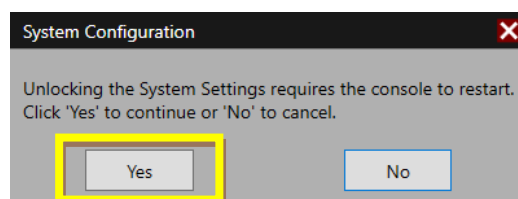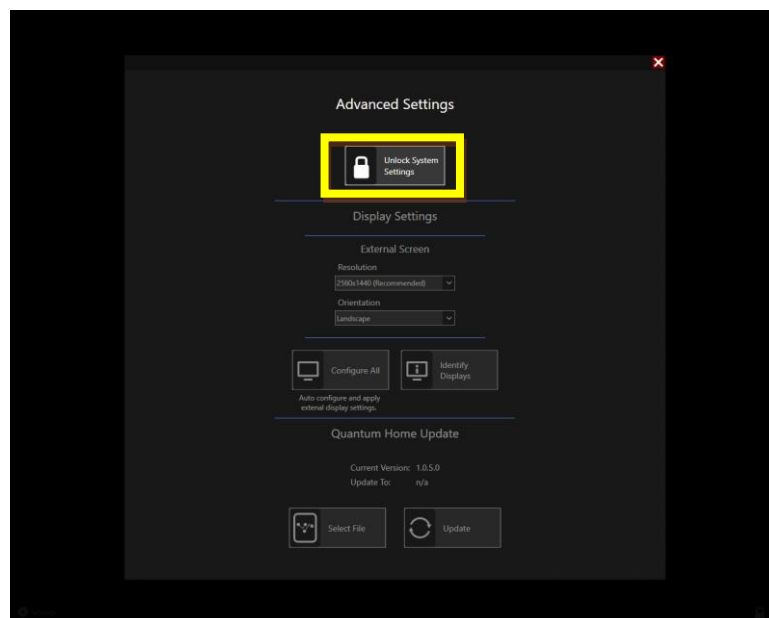Once all upgrades are complete, please close **Quantum Upgrade.**

Updating Quantum Home

Copy the Software Updater **QuantumHome.exe** onto a suitable USB Key.
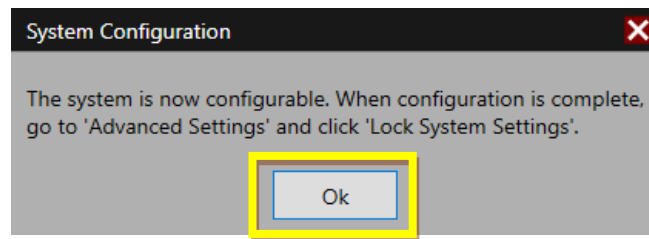
Using the Master Screen System Menu, select Quit to Windows – this will open Quantum Home.
Click Settings (bottom left corner) and then Advanced Settings

Click Unlock System Settings at the top of the screen – when the dialogue box is displayed click the Yes button to confirm console restart and then click OK in the next dialogue box as seen below.
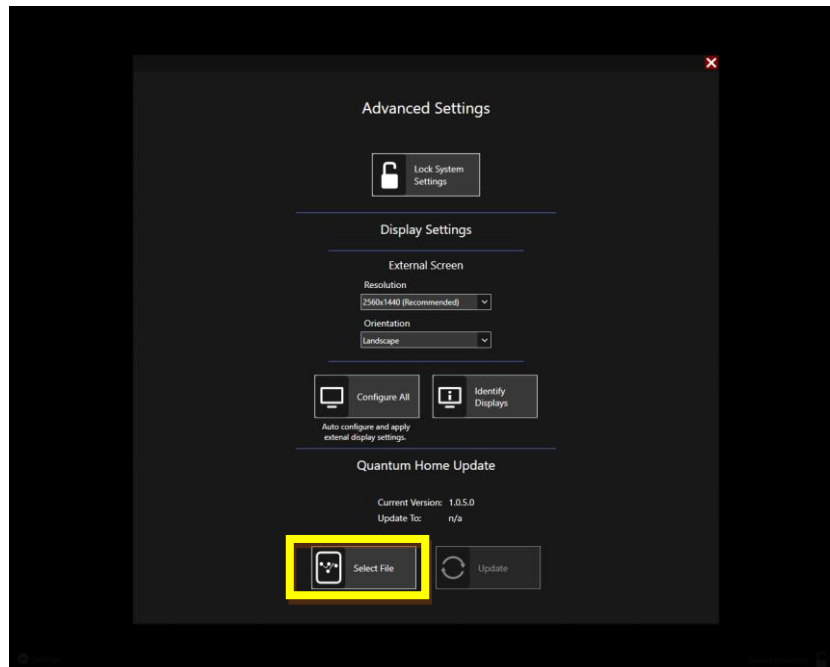
When the console has restarted the following dialogue will be displayed – click OK.
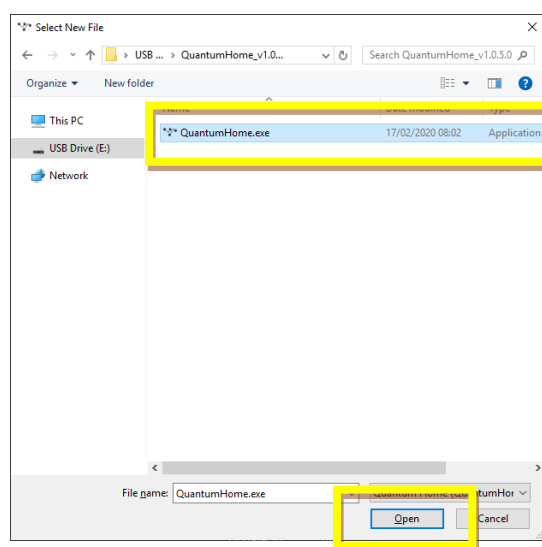

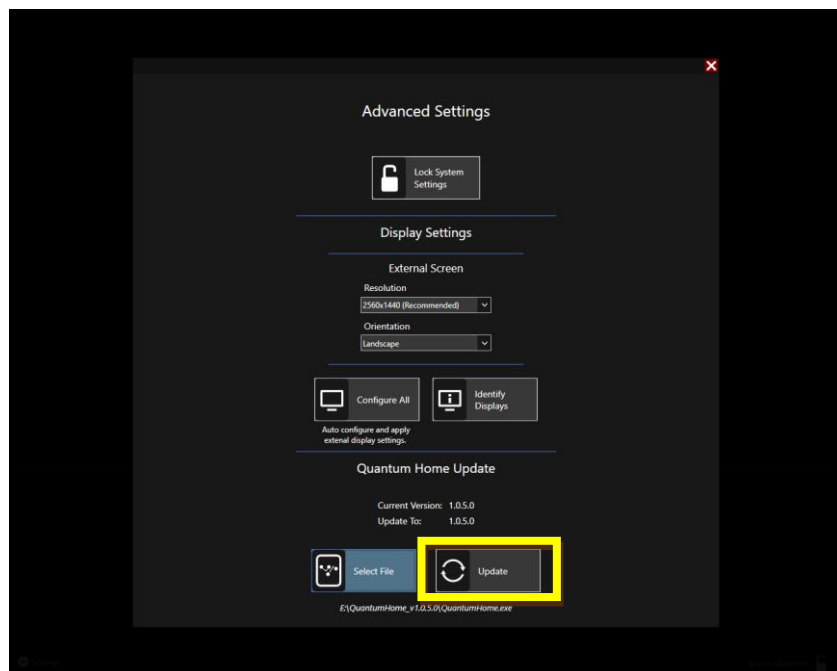Click Settings and then Advanced Settings again in Quantum Home.
Insert the USB key containing the new version of QuantumHome.exe from the downloaded ZIP file into the console USB port
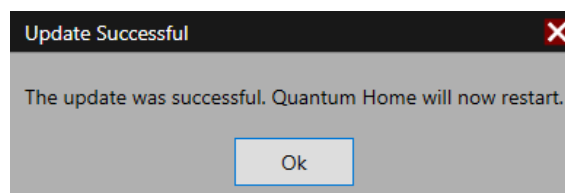Then click Select File at the bottom of the screen.

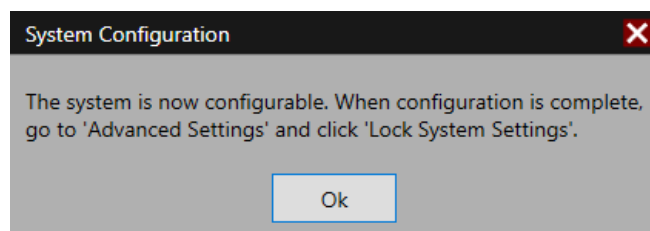Navigate to the USB key and select QuantumHome.exe – then click Open

Click the update button and click OK in the following dialogue.

Quantum Home has now restarted so follow the on-screen instructions – click Settings, Advanced Settings and then Lock System Settings

Click OK in the displayed dialogue to confirm that the console should now restart.

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