

# TECHNICAL NOTE

Date: May 2019

Ref: TN455

Raised by: DB/RW

Distributed to : As Required



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## Upgrading SD7Q to V1090

These instructions will guide you through updating your SD7Q Console from V1069 to the latest release. V1090 replaces V1069 as the latest release.

This upgrade will involve updating all or some of the following: Console Software, FPGA1, SHARC1 & Switcher code.

**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 1069	Version 1090
Software	10.2.1069	10.5.1090
Worksurfaces	58	58
Local I/O	115	115
Timecode	48	48
Switcher	41	45
Engine: HOST	34	34
Engine: SHARC 1	24/01/2019	15/05/2019
Engine: SHARC 2	15/11/2018	15/11/2018
Engine: SHARC 3	15/11/2018	15/11/2018
Engine: FPGA 1	21/01/2019	24/03/2019
Engine: FPGA 2	14/11/2018	14/11/2018
Engine: FPGA 3	14/11/2018	14/11/2018
SD-Rack: Rack8b.bin	21/09/2016	21/09/2016
SD-Rack : Rack8b.bit	05/07/2012	05/07/2012
D-Rack : Drack8b.bin	10/12/2014	10/12/2014
D-Rack : Drack.bit	13/03/2014	13/03/2014
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.  
Quit Both Engines to Windows**

**ON ENGINE A ...**

1. Copy the Software Updater **SD7Q\_V1090z\_Updater.exe** onto a suitable USB Key and insert into a free USB Socket on the SD7Q.

2. Click on the **Start Menu** and choose **Computer**.

Navigate to your USB Key, and run **SD7Q\_V1090z\_Updater.exe** from your USB Key. This updater will install the required updates, application software, and backup your current SD7Q application folder.

3. The **UpdateQuantum** application will now automatically run.

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:\SD7Q directory.

Now proceed with the console firmware updates by pressing the corresponding **update** buttons in the order specified below. If you are upgrading from V1069, you will to update the following codes:-

**SHARC 1  
FPGA 1  
Switcher**

If you are upgrading from a version earlier than V1069, there may be additional upgrades to perform. Please contact DiGiCo support if you require further information or assistance.

4. If it has not already happened, from the Start Menu, shut down Engine A. Do not power the console off.

**Switch to the B Engine and perform the same procedure from Point (1) to upgrade Engine B.**

***Please note the switcher board will not need to be upgraded as part of the Engine B Upgrade Process***

5. Once Engine B has been updated, shut down Engine B and turn the console power off

6. Power the console on. Both engines will launch straight into the SD7Q application.

You should 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 Point 3) using the UpgradeQuantum application in the Start Menu.

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 SD7Q, please contact  
DiGiCo Technical Support.**

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