



SD & Quantum V1619 Release Notes

October 2022

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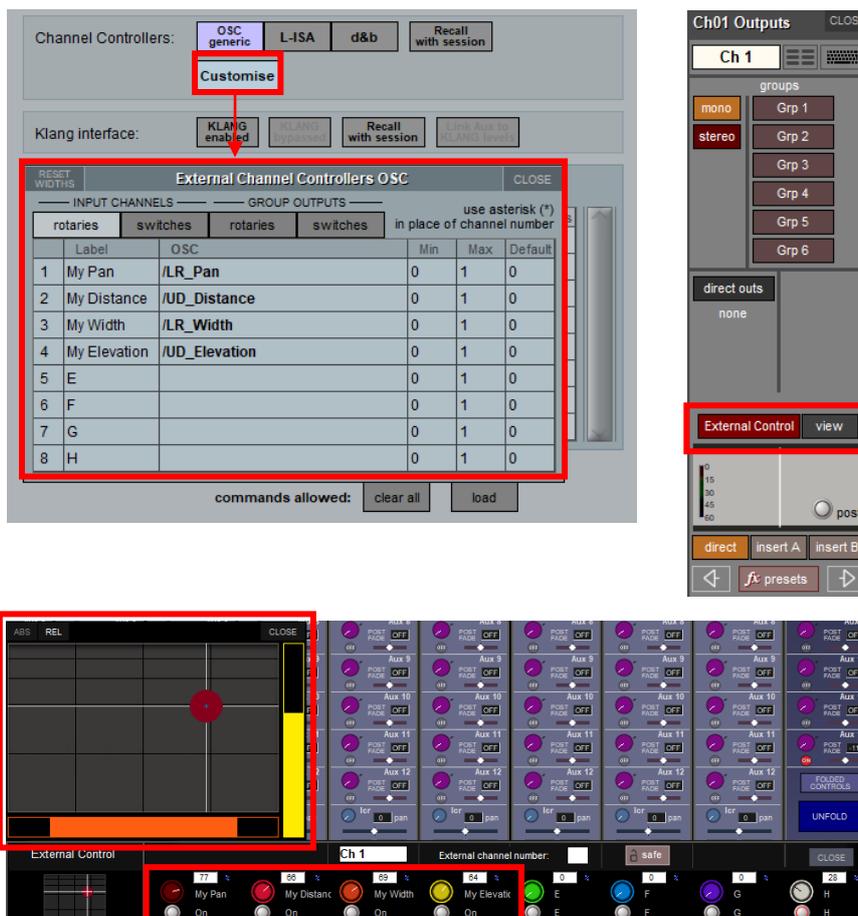
1.0 OSC Touch Panner Channel Control

In **Setup > External Control**, a new interface can be enabled for panning control relating to **generic OSC devices**. To view the **channel controller**, select the **External Control** button then press **View**.

Touching the small panning display on the left of the External Control panel will reveal the larger interactive version.

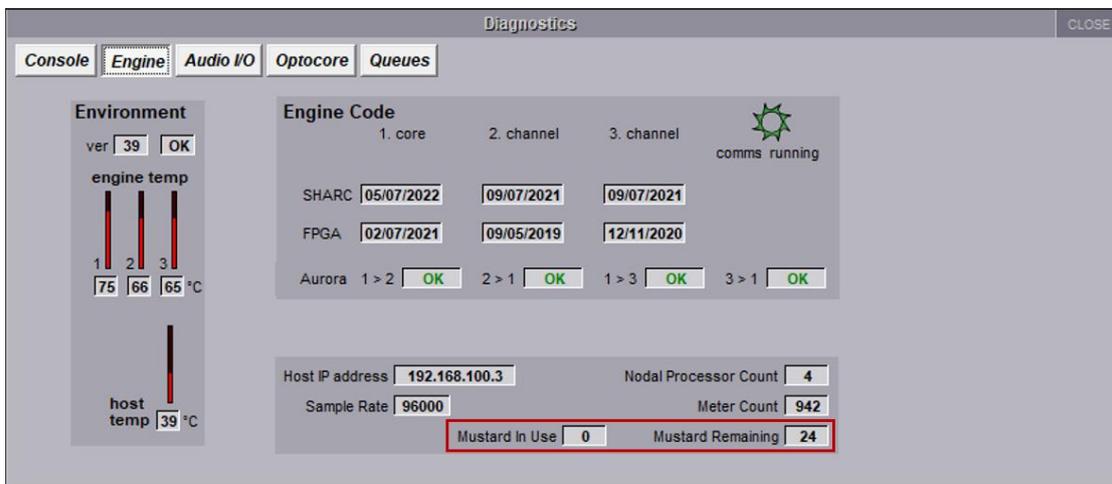
If you intend to use the Generic OSC controls for panning messages to external devices, the additional graphical touch controls in the new expanded panel duplicate the first four rotary controls in the standard External Control panel.

Adding customised messages for panning parameters to these four controls (see example in the image below) will provide an alternative method of interaction using the new expanded panel.



1.1 Mustard Processing Availability

In **System > Diagnostics > Engine**, new counters have been added to display the current **Mustard Processing** in use or available.



This indicator displays how many instances of **Mustard Channel Processing** are available for use in the current session.

1.2 Theatre Channel Scope Details Panel

In **Theatre Mode**, there is a new **Channel Scope Details Panel**.

From the **Master screen**, select the **Layout Menu > Channel Scope** button

Select a console channel from the main channel screens and then select a cue from the cuelist.

Note that this is a display only panel (settings cannot be adjusted from here) which provides a quick reference summary of all scope settings related to a specific channel in a specific cue.

The panel will remain open when different channels or cues are subsequently selected and the current selection details are always displayed in the title bar of the panel.

Cue 5.00 - Channel Scope Details for Ch 14: Ch 14															CLOSE
	input/trim	delay	filters	eq	dynamics	inserts	sends	fader	mute	panner	to groups	outputs	external		
	recall	update	recall	update	recall	update	recall	update	recall	update	recall	update	recall	update	
global scope	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	
section scope	✗	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	
group section	✓	✓	✓	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	
cue scope	✗	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	
relative changes	✓			✓	✓		✓	✓							
crossfades	04:00		00:00	00:00	04:00		00:00	04:00		00:00				00:00	
auto-exclusions									✓						

1.3 New Log Messages

There are two changes to diagnostics reporting, relating to **worksurface activity** and **Optocore loop interruptions**.

1.3.1 Worksurface Section Status

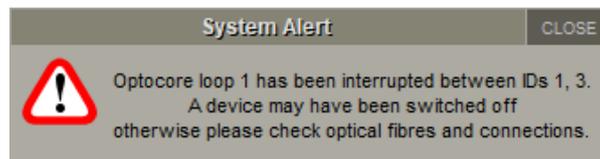
Worksurface related messages will now display which **surface** has stopped responding in the event of a worksurface issue.

```

Log.txt - Notepad
File Edit Format View Help
18/08/2022 09:14:56 0000000065 Primary audio sync 0.0kHz MASTER
18/08/2022 09:14:56 0000000073 Primary audio sync 0.0kHz MASTER
18/08/2022 09:14:57 0000000169 AudioMaster switched to MASTER
18/08/2022 09:15:02 0000000642 Engine SHARC dates: 05/07/2022 09/07/2021 09/07/2021
18/08/2022 09:15:02 0000000642 Engine FPGA dates: 02/07/2021 09/05/2019 12/11/2020
18/08/2022 09:15:03 0000000749 Primary audio sync 48.0kHz MASTER
18/08/2022 09:16:45 0000010966 ** System Alert: Work surface section 3 (on COM7) has stopped responding
18/08/2022 09:17:40 0000015115 ** System Alert: Work surface section 3 (on COM7) has stopped responding.
18/08/2022 09:23:39 0000050990 ** System Alert: Work surface section 3 (on COM7) has stopped responding.
18/08/2022 09:23:53 0000052362 closing session
18/08/2022 09:23:57 0000052764 DMI 1 Client disconnected
18/08/2022 09:23:57 0000052764 DMI 2 Client disconnected
18/08/2022 09:23:58 0000052764 normal shut down
18/08/2022 09:23:58 0000052764 Engine Client disconnected from engine
  
```

1.3.2 Optocore Loop Interruption

In the event of an Optocore loop interruption, the new system alert will display, and log the IDs.



```

06/10/2022 10:06:16 0000000000 Quantum2 Host version 39
06/10/2022 10:06:17 0000000018 Engine Client connected to engine
06/10/2022 10:06:17 0000000018 DMI 1 Connected to server
06/10/2022 10:06:17 0000000019 DMI 2 Connected to server
06/10/2022 10:06:17 0000000046 loading session d:\quantum2\startup.ses
06/10/2022 10:06:17 0000000055 starting session
06/10/2022 10:06:17 0000000055 Primary audio sync 0.0kHz MASTER
06/10/2022 10:06:17 0000000062 Primary audio sync 0.0kHz MASTER
06/10/2022 10:06:18 0000000156 AudioMaster switched to MASTER
06/10/2022 10:06:21 0000000483 Engine SHARC dates: 05/07/2022 09/07/2021 09/07/2021
06/10/2022 10:06:21 0000000483 Engine FPGA dates: 02/07/2021 09/05/2019 12/11/2020
06/10/2022 10:06:23 0000000603 Primary audio sync 48.0kHz MASTER
06/10/2022 10:07:13 0000005637 ** System Alert: Optocore loop 1 has been interrupted between IDs 1, 3.
06/10/2022 10:07:41 0000008472 closing session
06/10/2022 10:07:43 0000008667 DMI 1 Client disconnected
06/10/2022 10:07:43 0000008667 DMI 2 Client disconnected
06/10/2022 10:07:50 0000008667 quitting to Windows
06/10/2022 10:07:50 0000008667 Engine Client disconnected from engine
  
```

Previously, the Interruption was reported, but the IDs were not logged, this allows for greater accuracy in diagnosing issues within an Optocore loop.

1.4 Other New Features

- Theatre Software is now available for Quantum 3

2.1 Errors Fixed

Recall and rename Copy Audio Preset Macros were not working correctly.

Busses that had Mustard Processing Active were not audible in the solo buss if True Solo was Active.

An on-screen System Message would appear when opening the Spice Rack with a NAGA 6 if you had restructured a session with the Spice Rack out of recall scope.

When a DMI MADI card in an Orange Box was set to Dual Mode, it was possible for some of the Audio channels on port B to be offset.

With some 96kHz sessions, distortion would be audible in the solo buss after session load.

Quantum 7 Engines would not transmit video over the Optocore Network.

Creating a Macro to spill a CG and the fire next snapshot would lead to faders becoming linked.

An Access Violation could occur when selecting an Aux output after in input channel in the same bank if the expanded aux panel was open.

HDSDI card control information was not reported on Quantum Consoles.

Swapping a channel location while the Nodal processing control panel was open could cause an Access Violation.

Enabling Nodal Processing and KLANG control on the same Aux node could cause an Application Error.

On Quantum 225 & 338, encoder timeouts were too short causing EQ and dynamics panels to randomly open.

Quantum Aux node pick up points could be selected in the aux nodes panel on non-Quantum consoles.

Restructuring a theatre session would cause all section assignments to be removed from the right legs of stereo busses.

Improved worksurface reset performance following an F12.
