



S-Series V3.0.9 Release Notes

June 2022

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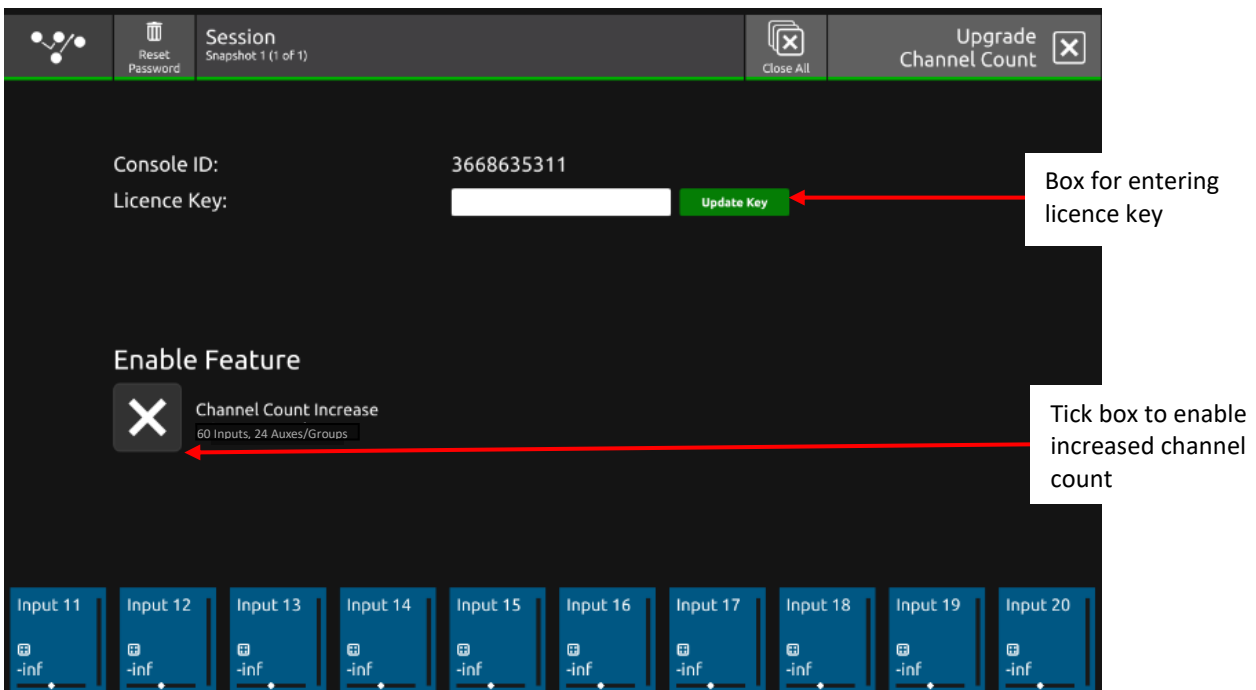
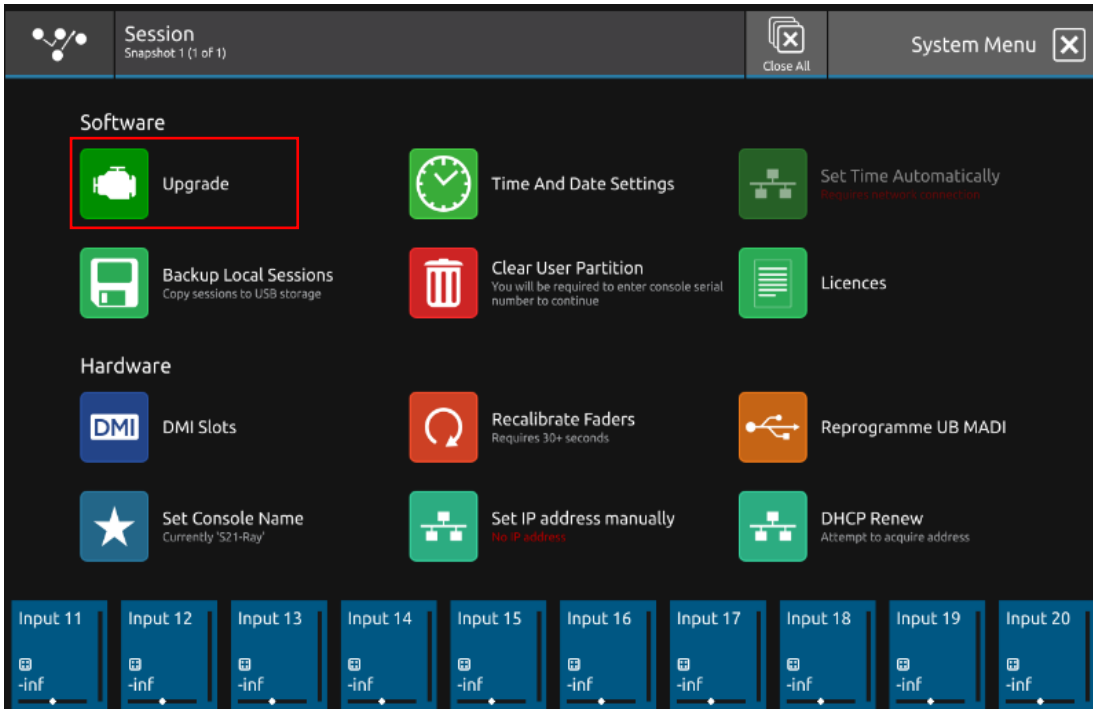
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Issues fixed since V2.6.1

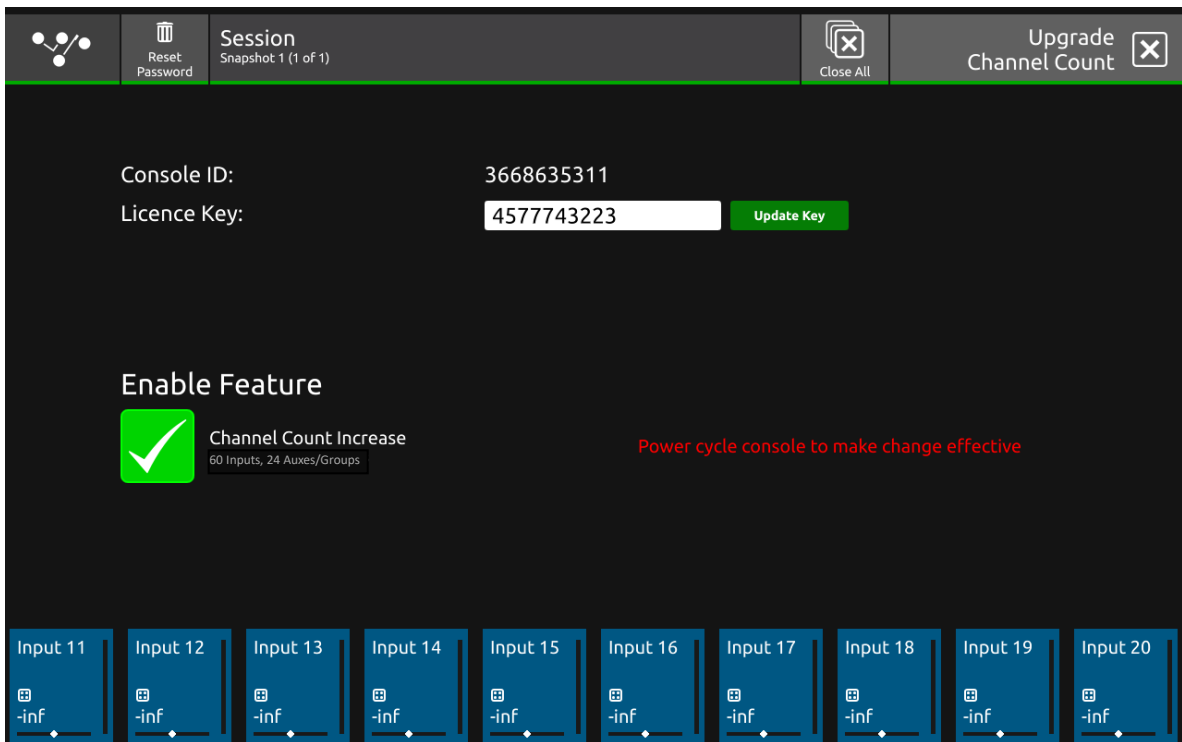
- Unassigning a channel from an active Spill Set no longer pulls down the fader belonging to the channel to the left of the channel being unassigned.
- DMI Mic card now recalls correct gain values after a power cycle.

1.1 Increased Channel Count

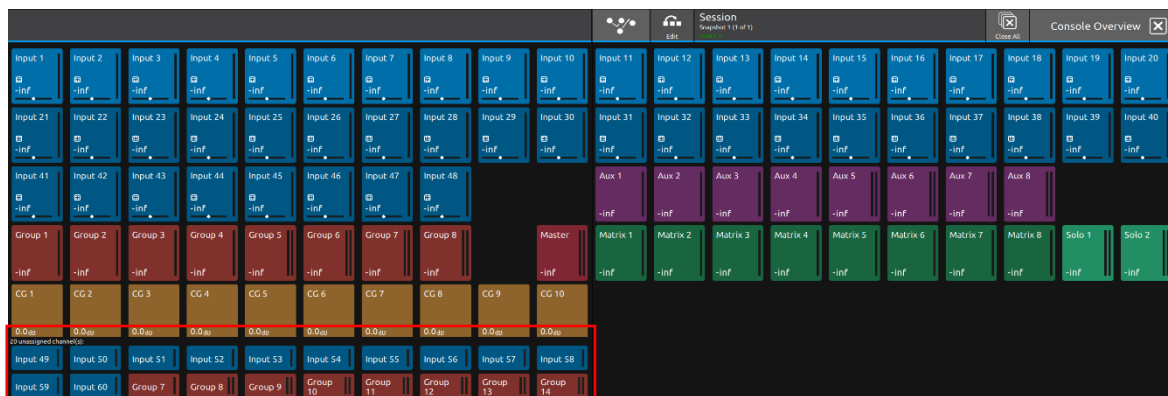
In V3.0.9 you can now purchase a Licence Key to optionally increase the maximum channel count of the console, including up to 60 input channels, and 24 aux/group busses. To gain access to this functionality navigate to the “Upgrade” section of the settings menu.



Upon entering the upgrade section the screen will look like the above with a box to type a valid licence key in and an “Enable Feature” tick box.



After a valid licence key has been input to the console, you can then upgrade to an increased channel count by pressing on the “Channel Count Increase” tick box. The console will then prompt you to shut down and power cycle, which will then give you the increased channel count.



Once the console has been upgraded the channel layout will look like the above with the additional channels and busses located in the unassigned channels section of the overview page.

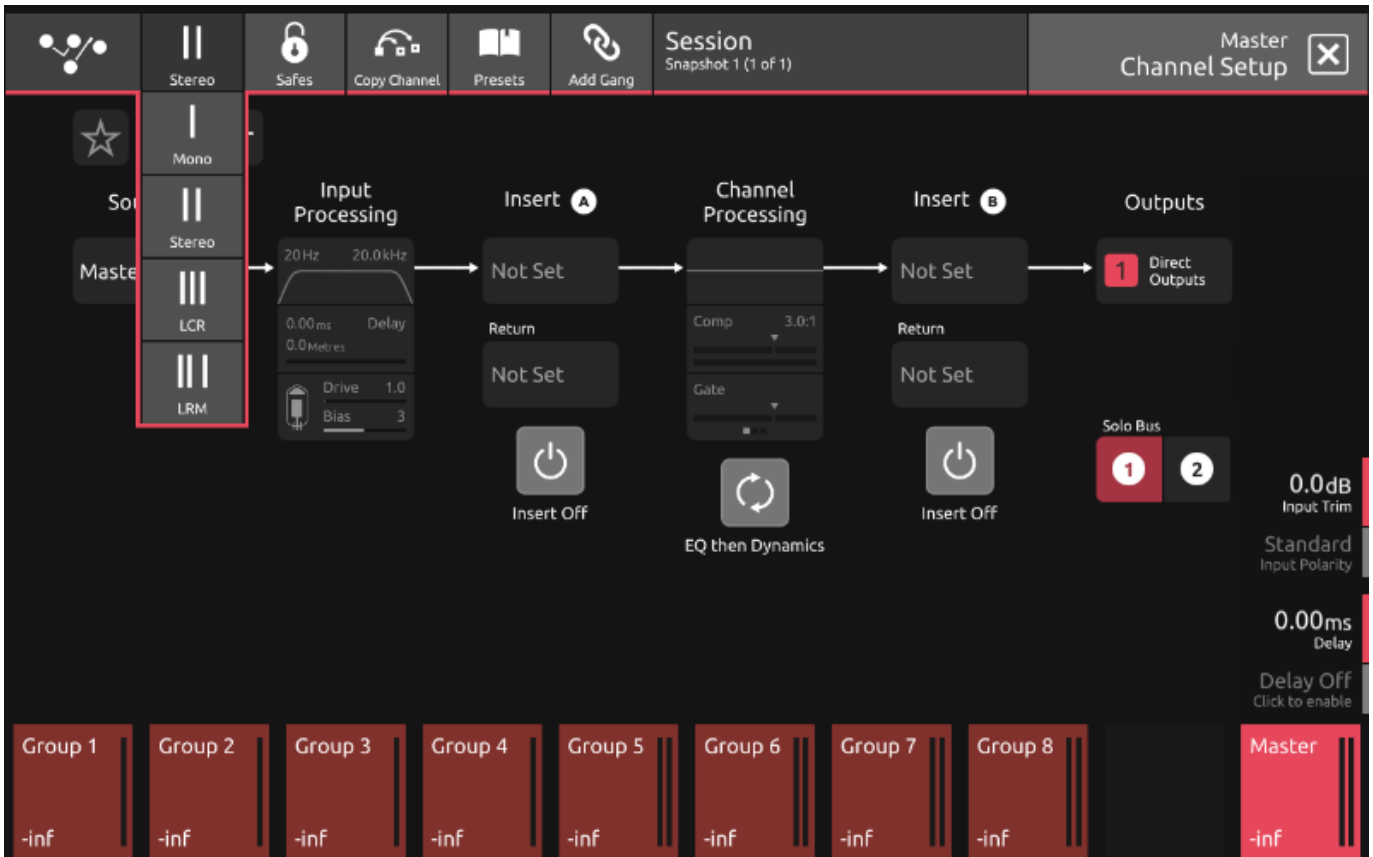
IMPORTANT NOTE: The 8 additional busses provided will have default names and these might have the same names as existing busses eg Groups 7 and 8 in the image above. These busses should be renamed to avoid potential confusion. Although the default set of additional busses consists of 1 Mono and 7 Stereo Groups, these can be changed in the standard way to be Mono or Stereo in Group or Aux Mode at any time.

If you have upgraded to 60/24 mode and subsequently revert the console to 48/16 mode, the highest numbered input channels and groups will no longer be available (Input Ch 49-60 and Busses 17 to 24).

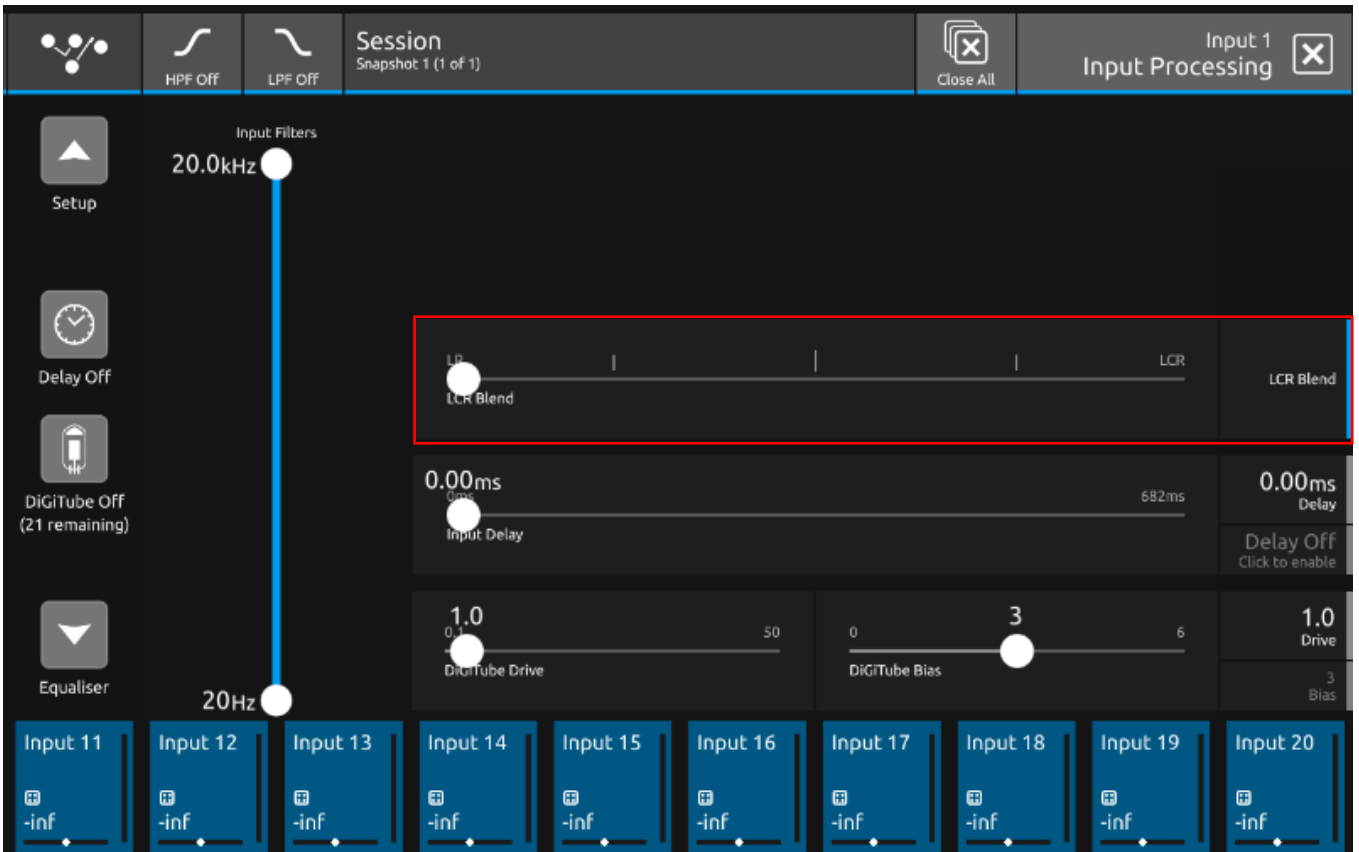
If you are using the S-Series iPad App you should close and restart it when the console channel/buss number mode is changed.

1.2 LCR/LRM Master Bus

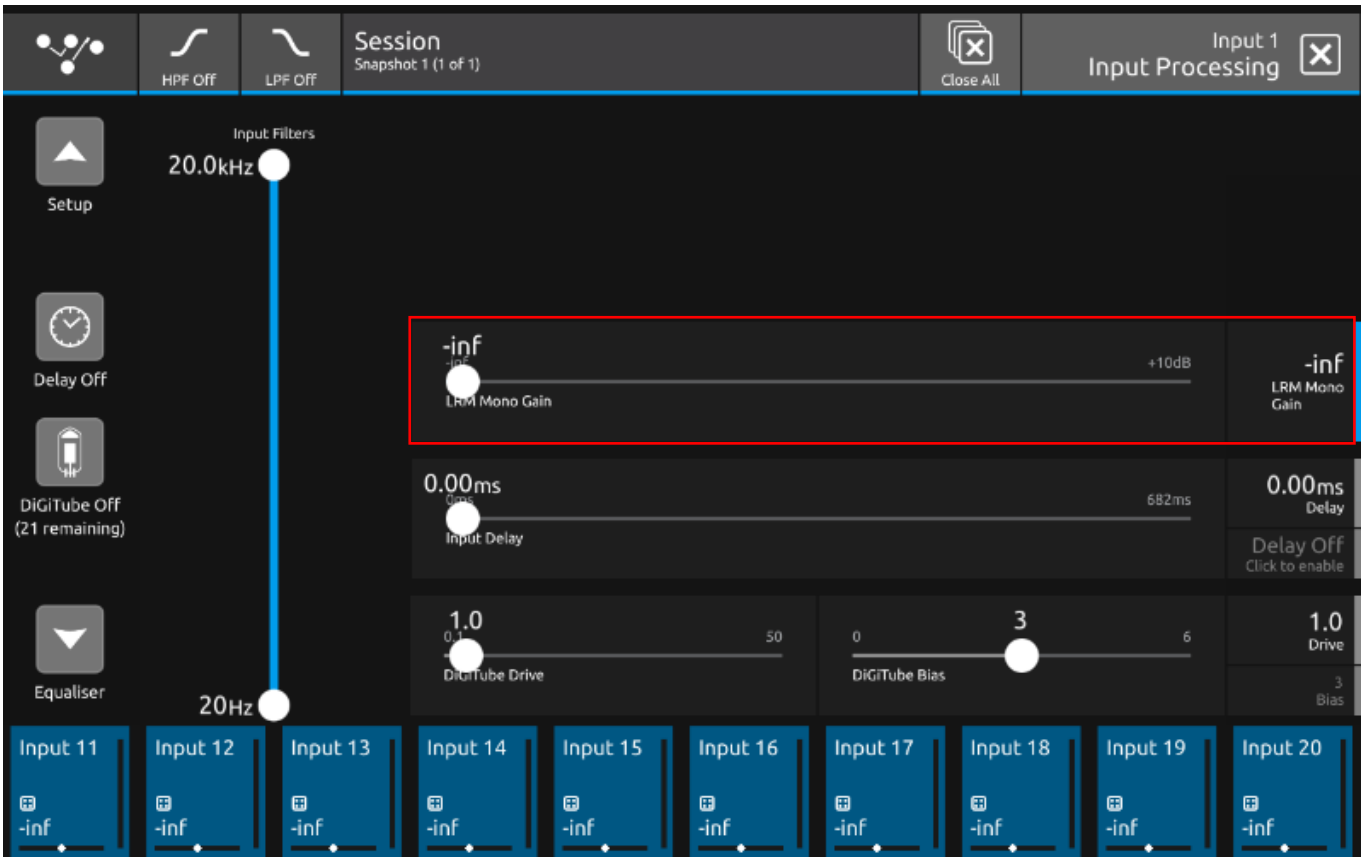
In V3.0.9 the Master bus can now be set to an LCR (Left Centre Right) or LRM (Left Right Mono) as well as the standard mono and stereo modes.



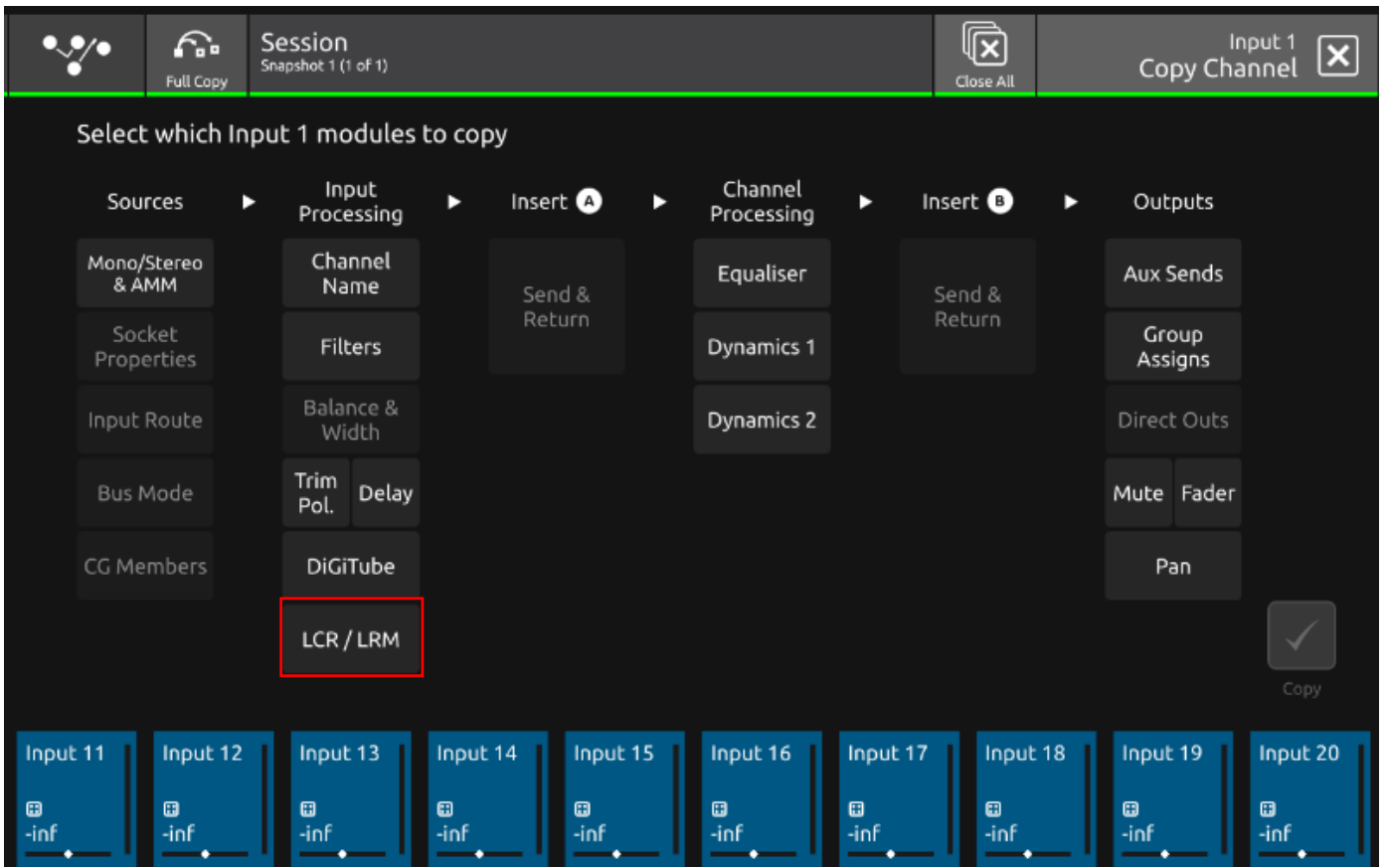
Having selected the master bus channel, the LCR and LRM can be accessed from the drop-down menu in the top left of the screen.



When the master bus is set to LCR mode each input channel will have a control in the “input processing page” called “LCR Blend”. This is used to send signal to the central leg of the LCR master bus.



When the master is set to LRM mode, each input channel will have a control in the “input processing page” called “LRM Mono Gain”. This is used to send signal to the mono leg of the LRM master bus.



To copy the “LCR Blend” or “LRM Mono Gain” control data from one channel to another, this can be accessed in the “Input Processing” column of the copy channel page.

1.3 MADI SRC

This release supports MADI SRC (Sample Rate Conversion), allowing the desk to run at a different sample rate to the connected MADI device.

Note: for the use of MADI SRC feature a DMI MADI firmware update (v167+) is required which is included in the update package.

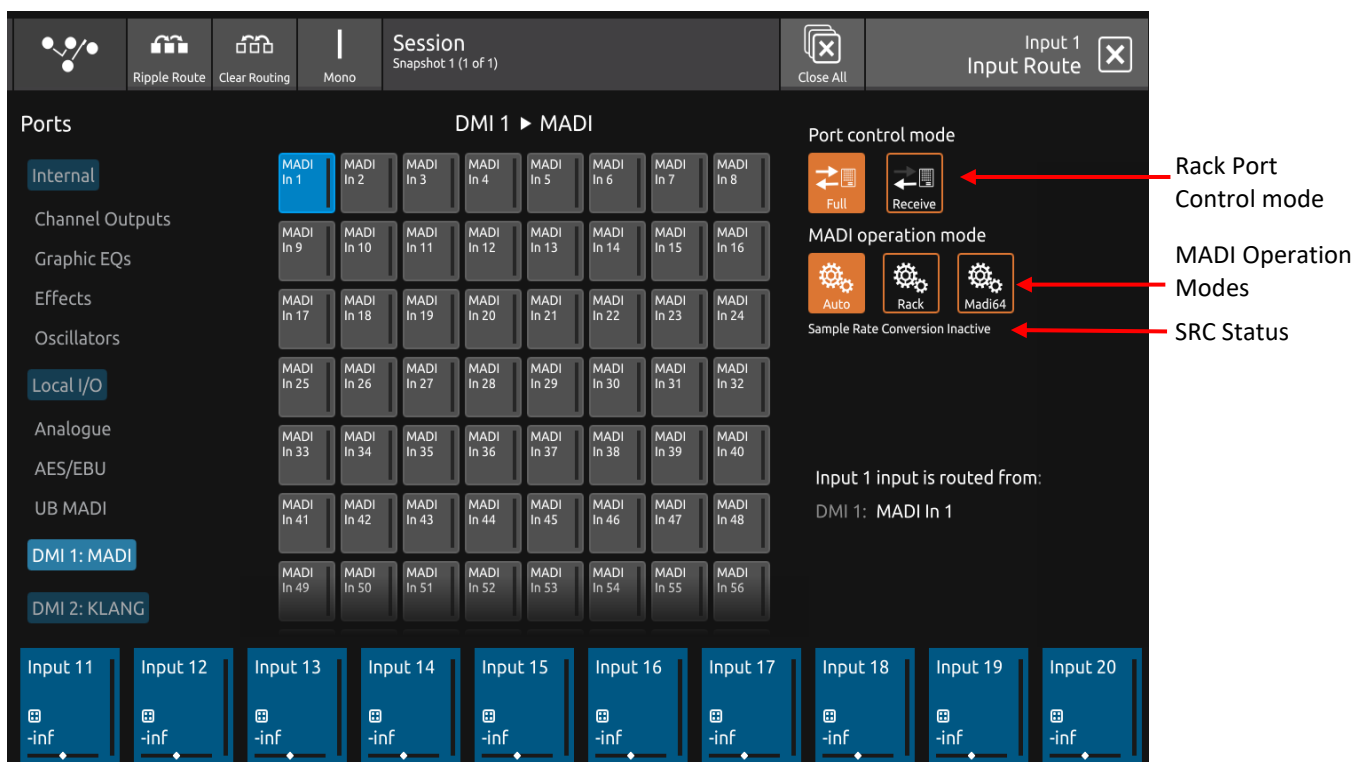
There are three MADI operation modes to choose from: Auto, Rack and MADI 64.

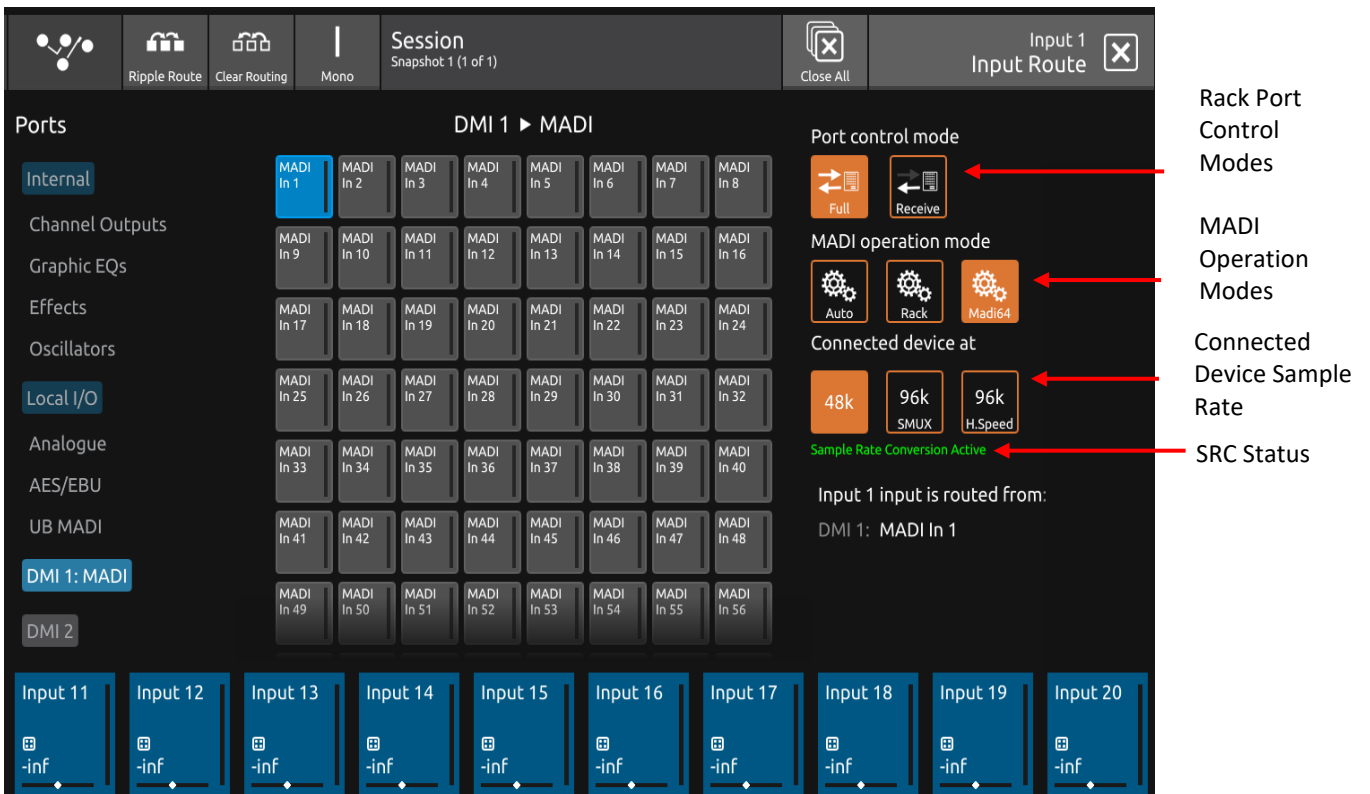
MADI SRC is only available in MADI 64 mode.

MADI operation mode can be changed in the Input Route view of a DMI MADI card.

The SRC status (active or inactive) is displayed underneath the MADI operation mode buttons when using Auto or Rack Mode.

When using MADI 64 mode the SRC status is displayed underneath the connected device sample rate.





Auto mode supports MADI and rack connections to the console. In auto mode the DMI card is responsible for the discovery of MADI devices and racks in the same manner the DMI card has worked in V2.6.1. Auto mode does not support SRC.

Rack mode supports rack connections to console. Rack mode does not support SRC.

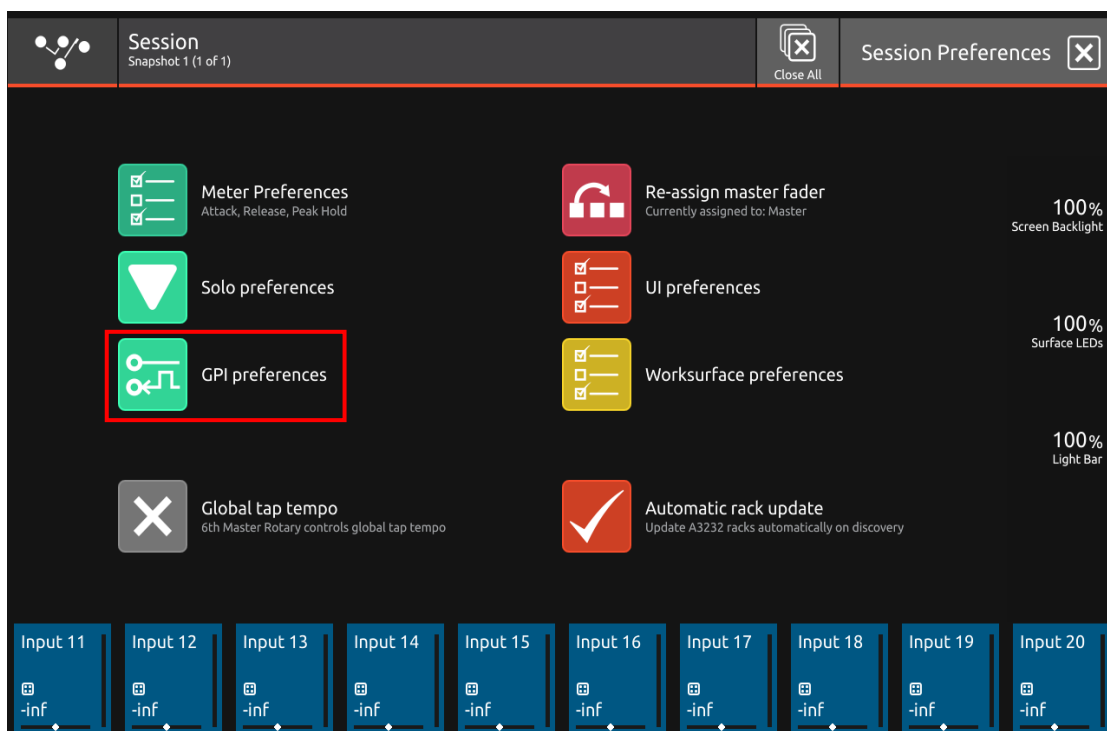
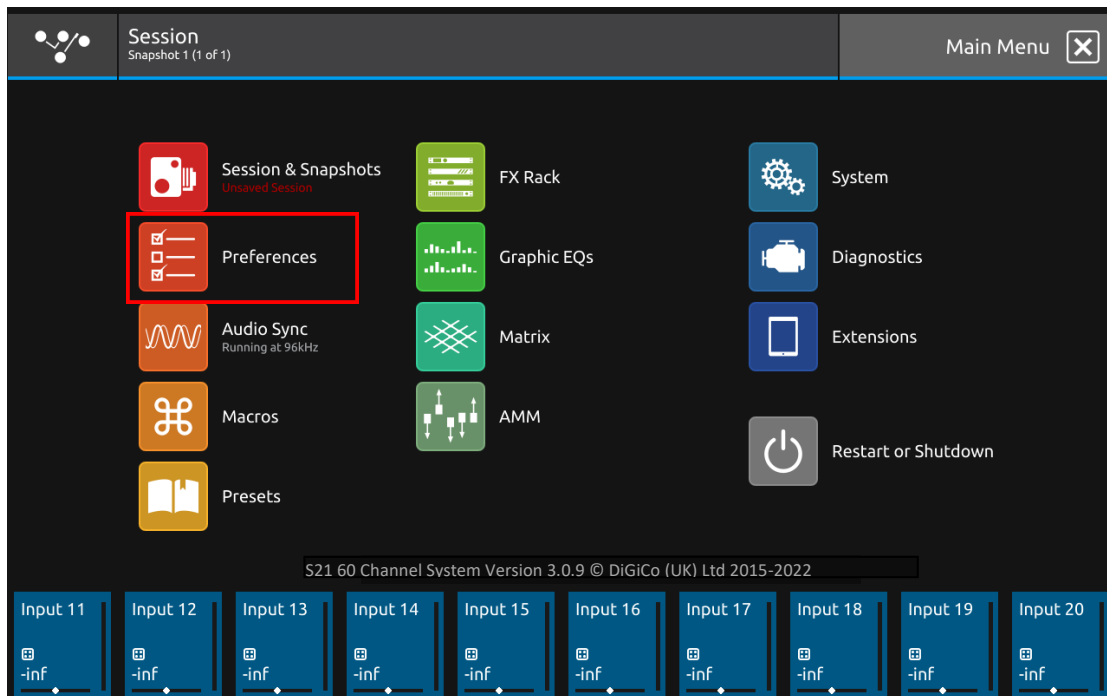
MADI 64 mode supports MADI connections to the console. MADI 64 supports SRC, the connected device sample rate can be manually selected on the right-hand side of the Input Route view below the MADI operation mode buttons. The three available formats are: 48K, 96K SMUX and 96K High Speed.

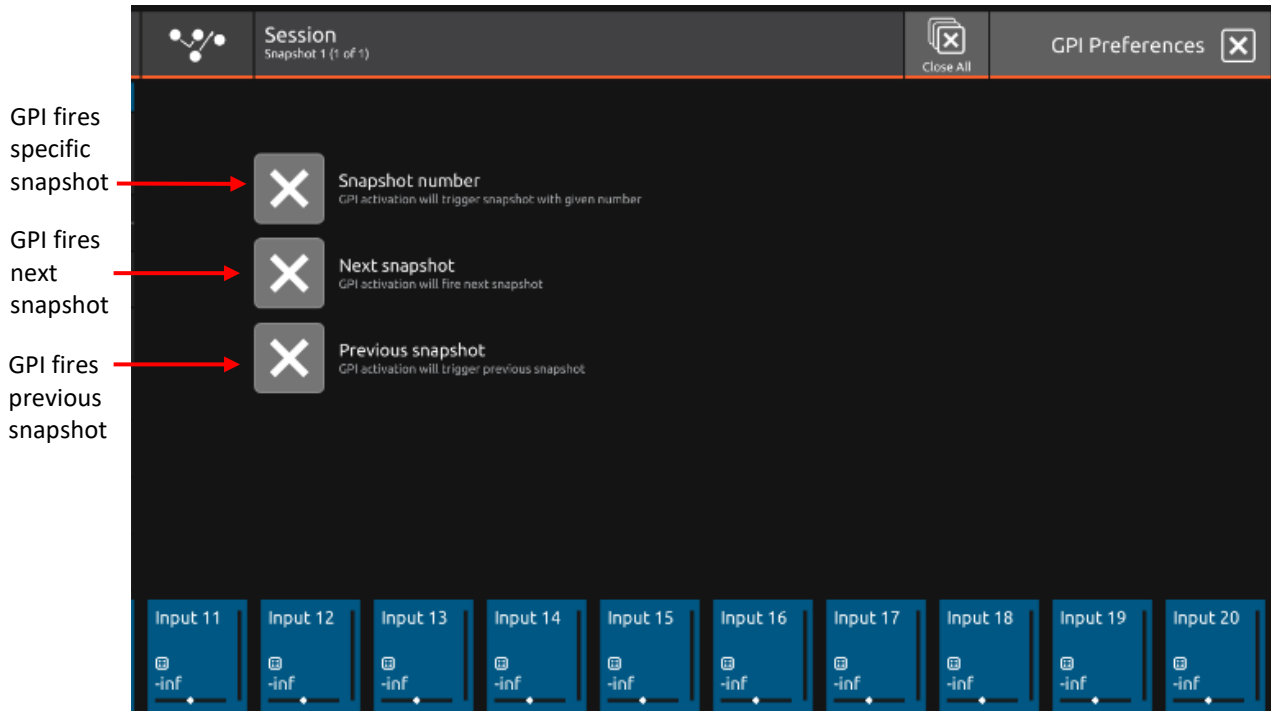
1.4 GPIO

In the latest release, new features have been added to expand the use of the GPIO within the S-Series consoles.

GPIO now features a GPIO Preferences view which can be found in **Preferences > GPIO Preferences**.

Within the GPIO preferences it is now possible to assign a GPIO input to trigger either the previous snapshot, the next snapshot or to fire a specific snapshot number defined when the option is selected. GPIO preferences are saved in the session.

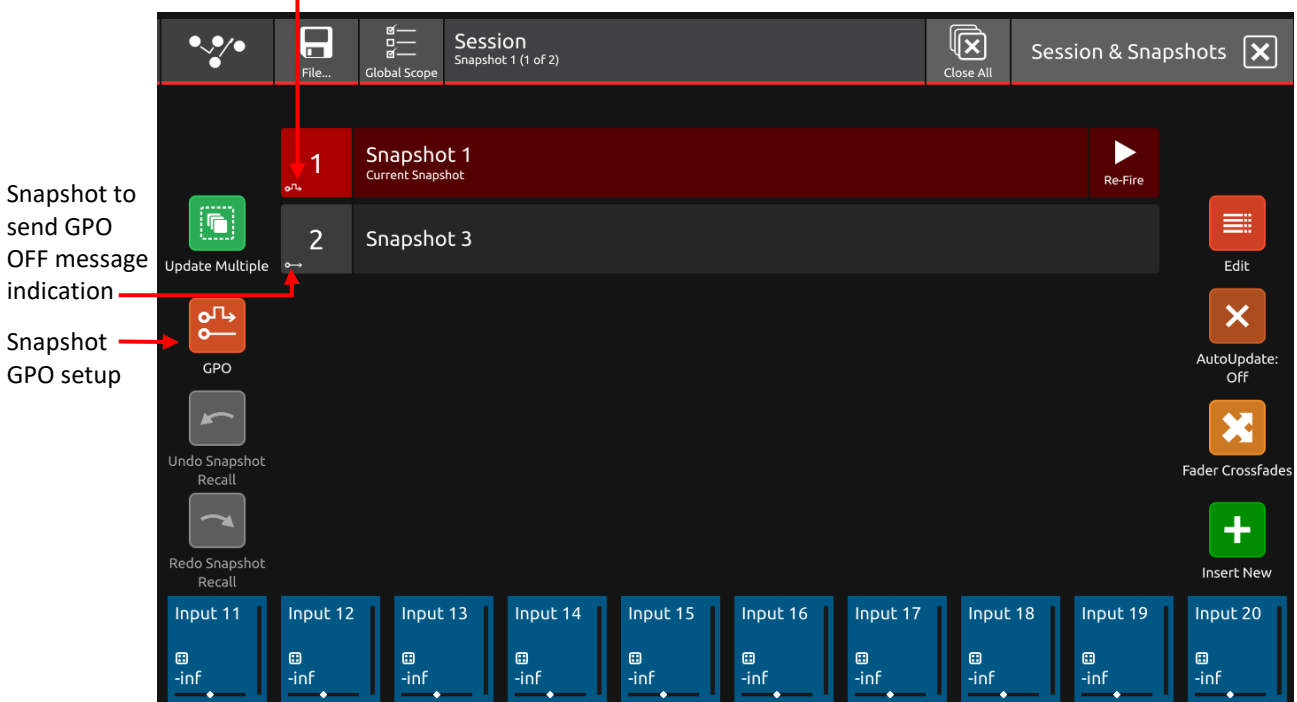


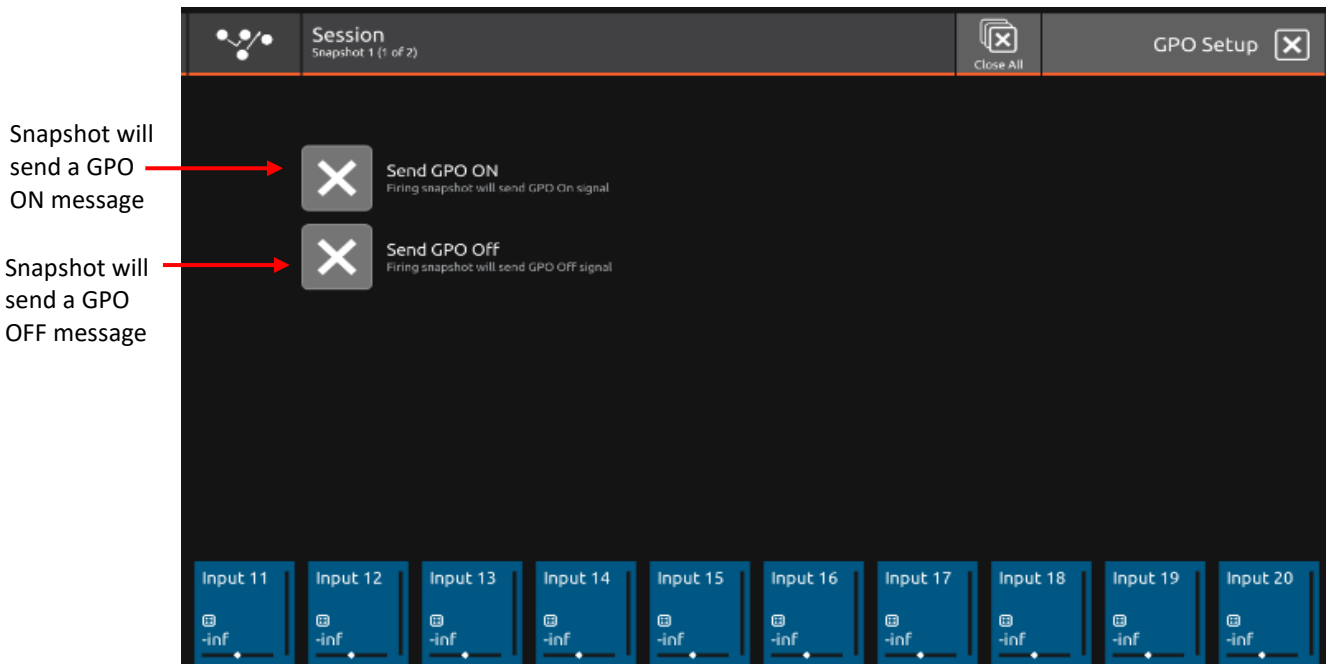


In the Session & Snapshots view it is now possible to assign a GPO ON or OFF message to a snapshot, this can be done in the GPO Setup view, found on the left-hand side of the Session & Snapshots view. A GPO message sent by a snapshot is indicated in the bottom left corner of the relevant snapshot with a rectangular arrow to indicate a GPO ON message and a straight-line arrow to indicate a GPO OFF message. There will be no indicator if the snapshot is not set to send a GPO message.

Note: if a snapshot is fired without either a GPO ON or OFF assignment the GPO state will be retained from the previously fired snapshot.

Snapshot to send a GPO ON message indication





1.5 OSC control

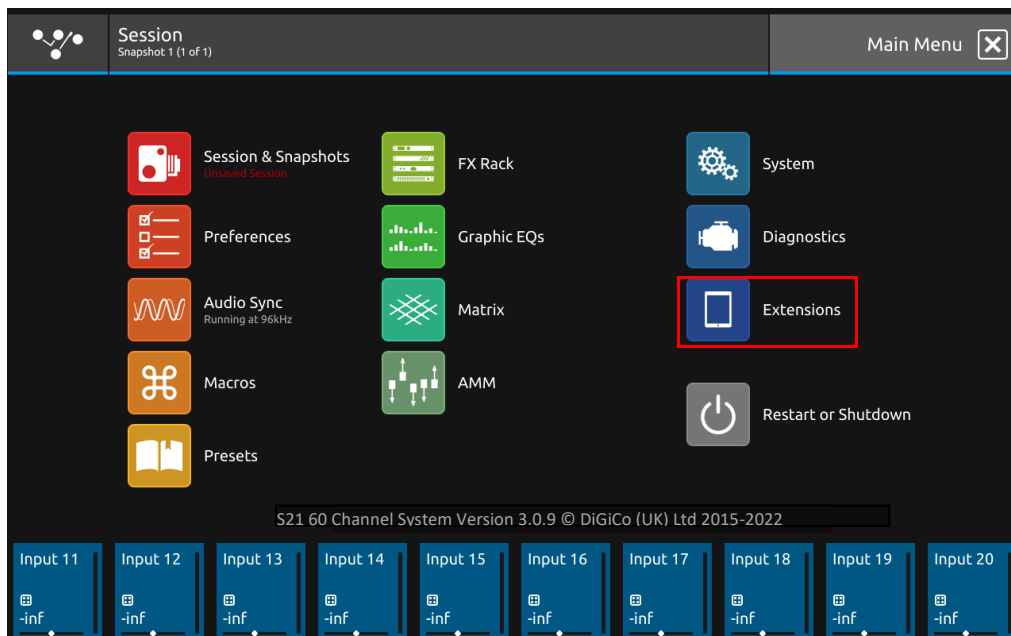
OSC (Open Sound Control) control has been extended to include a wider selection of console control over parameters. These now include snapshot changes, channel input processing, EQ, dynamics 1 & 2 and aux sends.

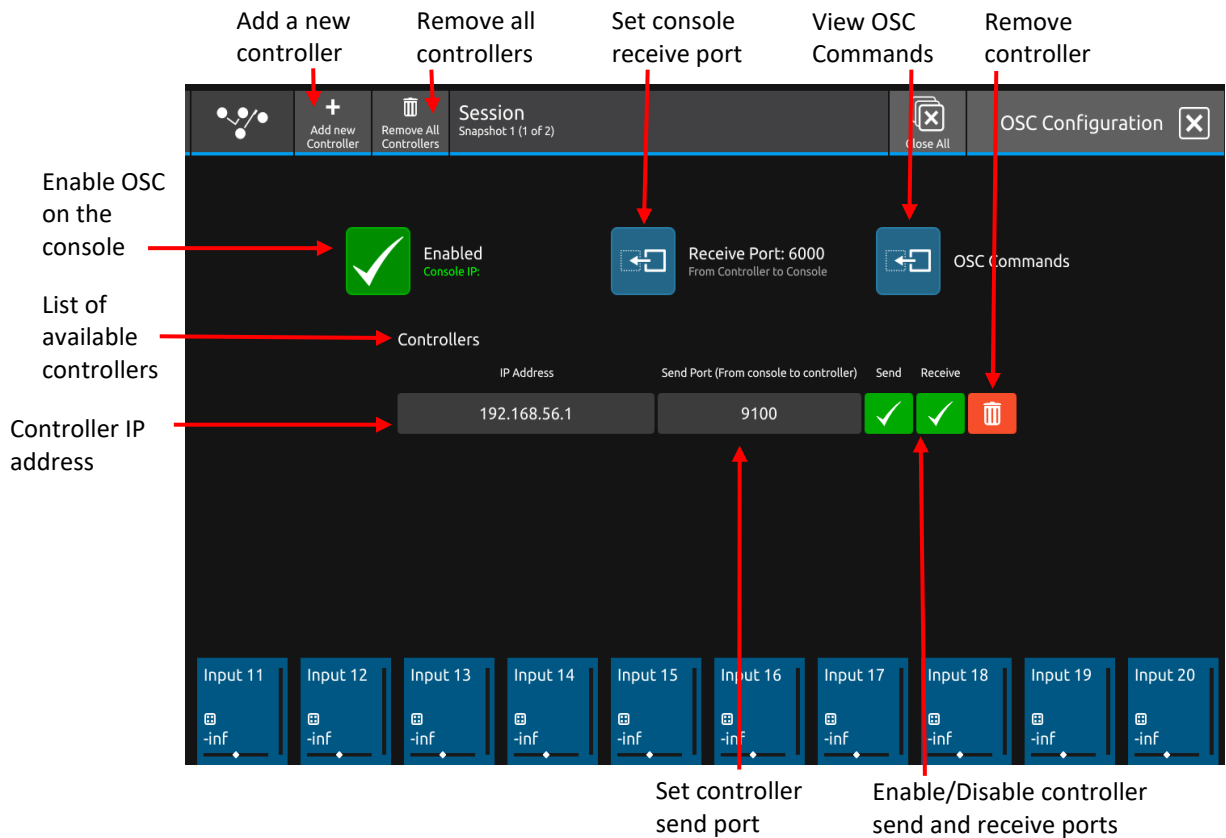
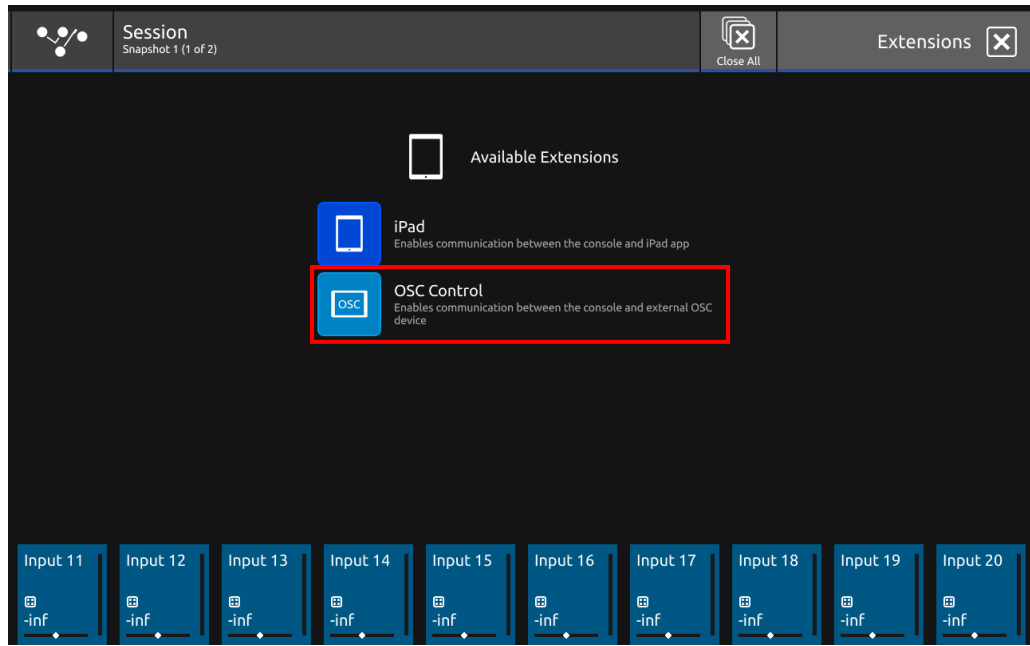
OSC control can be accessed in **Extensions > OSC Control**.

OSC can be enabled and have the console receive port set in OSC Configuration view.

New controllers can be added, and all controllers can be removed using buttons located at the top of the OSC configuration view, a list of available controllers will appear underneath the 'Controllers' heading.

New controllers can have their send port defined by touching the send port field, send and receive ports can be enabled and disabled for each individual controller using the send and receive buttons. It is possible to have multiple controllers in the list however, only one controller can be active at one time





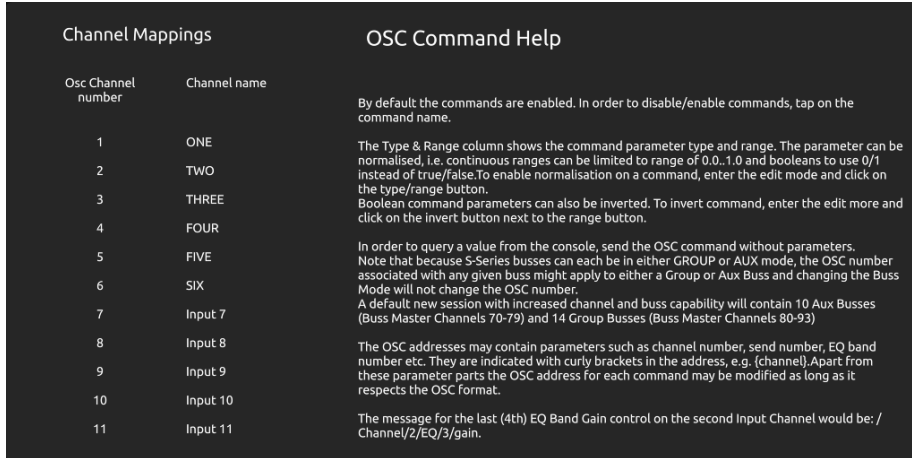
The list of available OSC commands can be viewed in OSC Commands view.

The available OSC commands can be saved to the console or an external USB stick and then imported in another session using the File button located in top left corner of the OSC Commands view.

OSC commands can be edited after touching the Edit Commands button. In edit mode, individual commands can be disabled and re-enabled by touching the command name. Selecting an OSC address brings up an on-screen keyboard and allows the user to alter the OSC address. Value types and range can be changed for individual commands in the Types & Range column by touching individual values. Boolean values and continuous values can be normalised and restored to default for all commands using the buttons located top centre of the OSC Commands edit view.

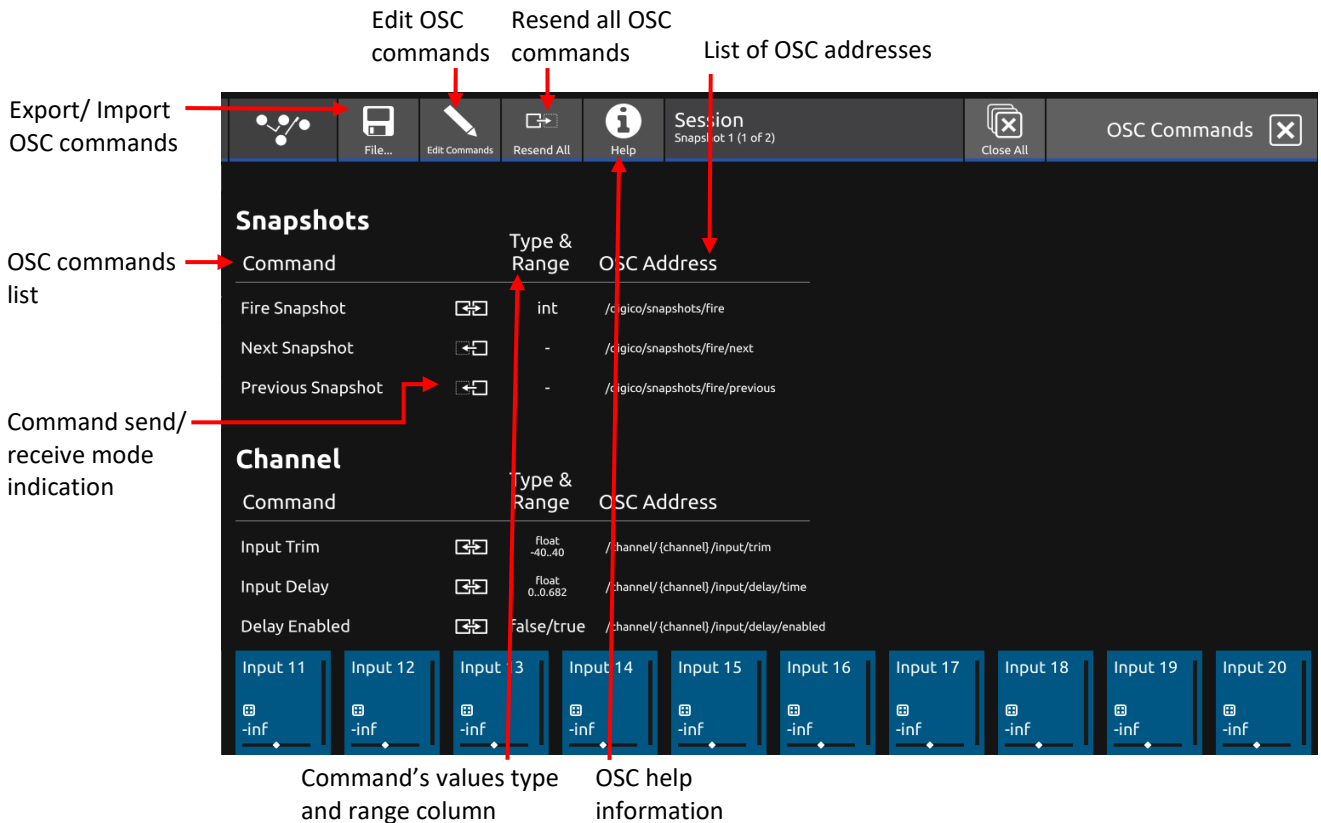
The commands can operate in three different modes: send and receive, send only and receive only. The pre-set mode for each command cannot be changed and is indicate in the OSC commands list to the right of the OSC command name with an arrow to represent the possible data flow. All OSC commands can be resent from the console to receiving devices using the Resend All button.

A Help button is located in the top bar of the OSC Commands view with more information about OSC commands. This includes a list of all current channel and buss names and their associated OSC channel number.



Note: all channels are be referenced by OSC numbers; Input Channels: 1-60, Aux: 70-79, Groups: 80-93, Matrix: 100-107, CGs: 110-119 and Master Buss: 120. Solo 1 and 2 cannot be controlled through OSC.

The numbers listed above are from a default session. If, for example, an Aux is changed to a group, the OSC number will remain the same.



Reset, load, or save OSC command changes

Normalise/default boolean values

Normalise/default continuous values

Editable fields are highlighted

Command	Type & Range	OSC Address
Fire Snapshot	int	/digico/snapshots/fire
Next Snapshot	-	/digico/snapshots/fire/next
Previous Snapshot	-	/digico/snapshots/fire/previous

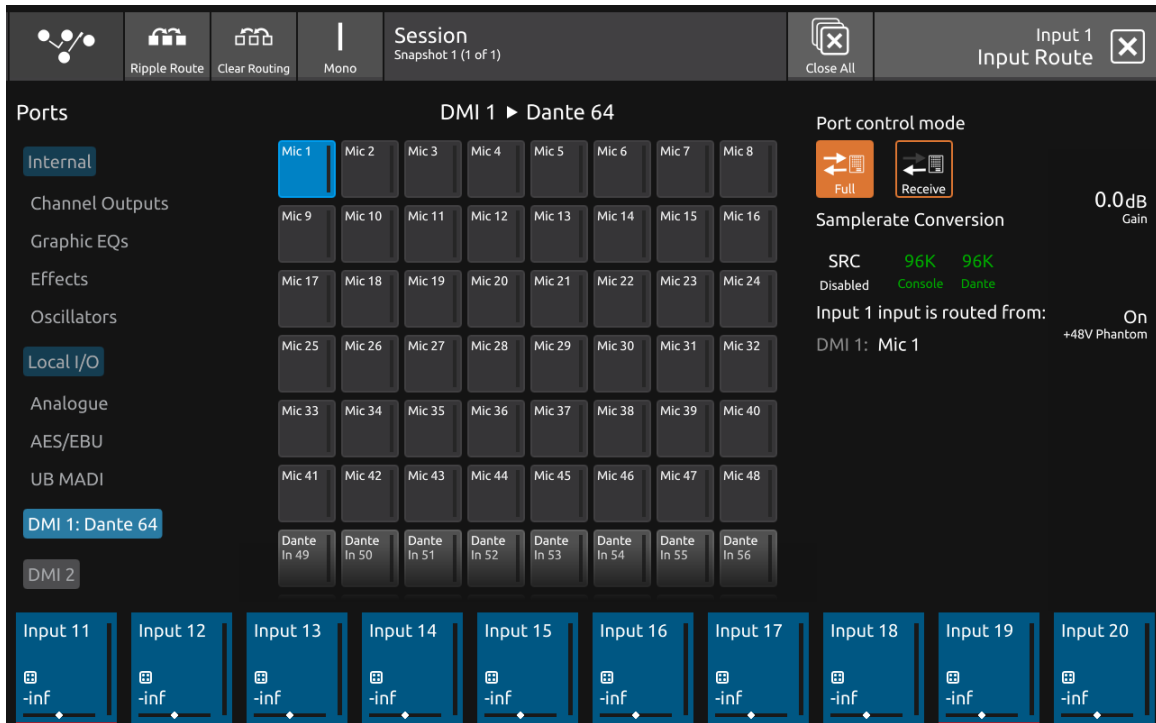
Command	Type & Range	OSC Address
Input Trim	float -40..40	/channel/ (channel) /input/trim
Input Delay	float 0..0.682	/channel/ (channel) /input/delay/time
Delay Enabled	Inverted false/true	/channel/ (channel) /input/delay/enabled

Input	Value
Input 11	-inf
Input 12	-inf
Input 13	-inf
Input 14	-inf
Input 15	-inf
Input 16	-inf
Input 17	-inf
Input 18	-inf
Input 19	-inf
Input 20	-inf

1.6 DQ Rack Compatibility

The DQ rack is now compatible with S-Series via a DANTE 64@96 DMI card. There are dedicated gain control and phantom power control for the 48 input channels of the DQ rack found in the Input routing page.

Note: The line/AES output switches can only be controlled from the rack itself.



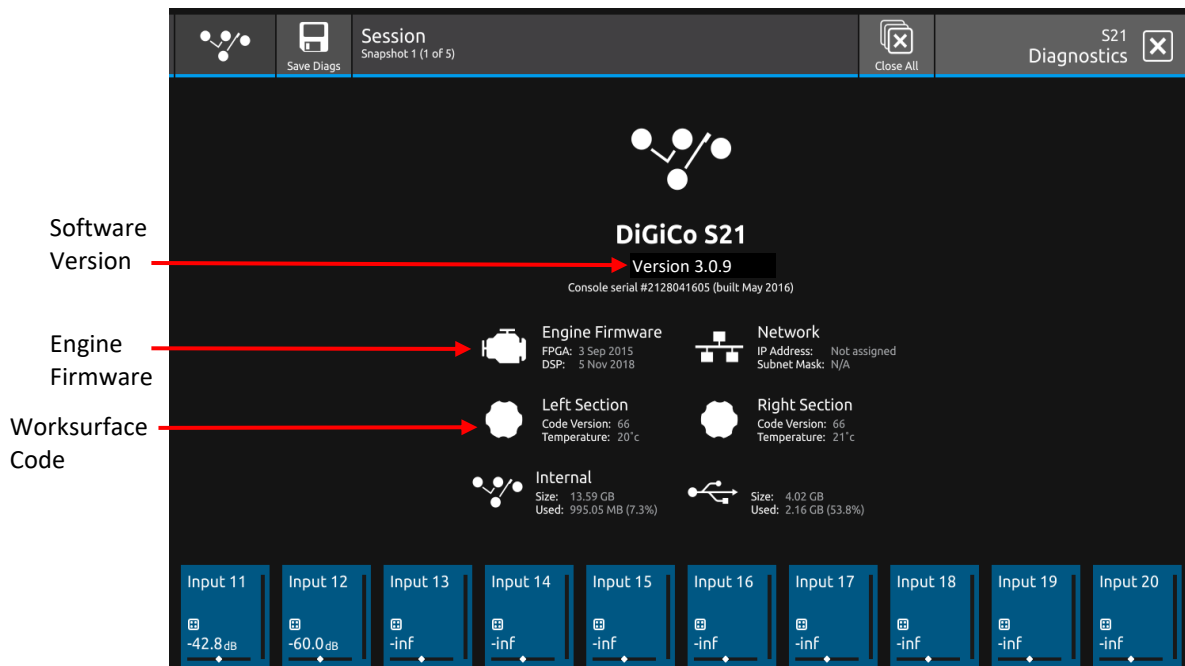
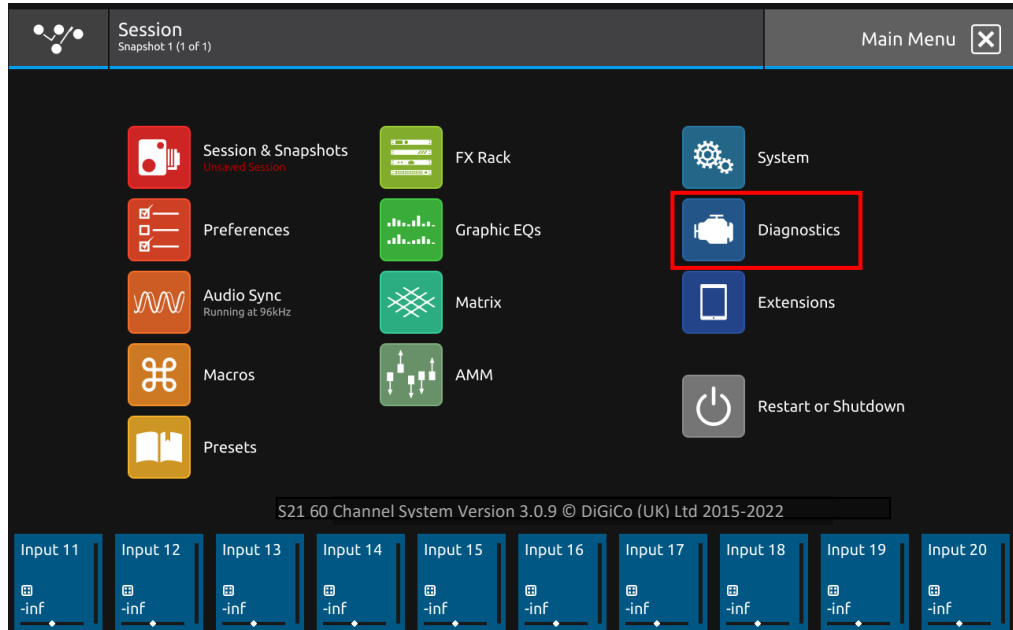
1.7 Other New Features

The delay time of TenTap Delay can now be set using Global Tap Tempo.

The dynamic EQ parameters have now been added to ganging.

1.8 S21/S31 Software and Firmware updates

The console's currently running software, engine firmware version, worksurface code and other console details can be checked in the Diagnostics view.

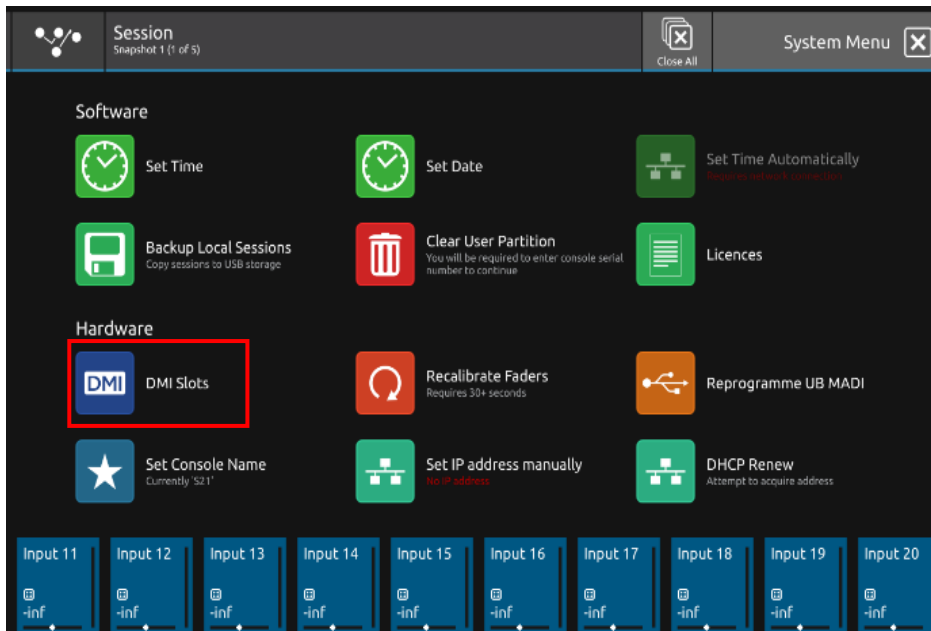
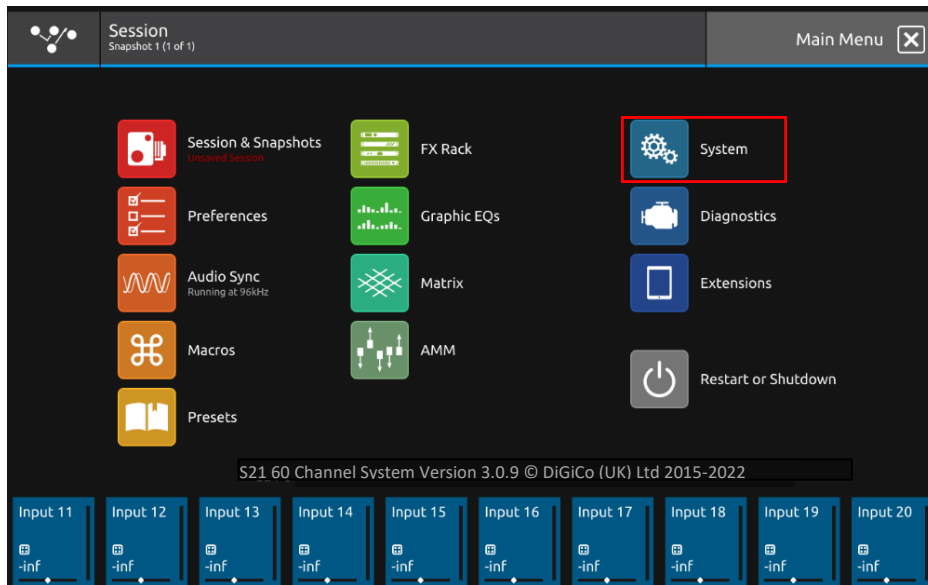


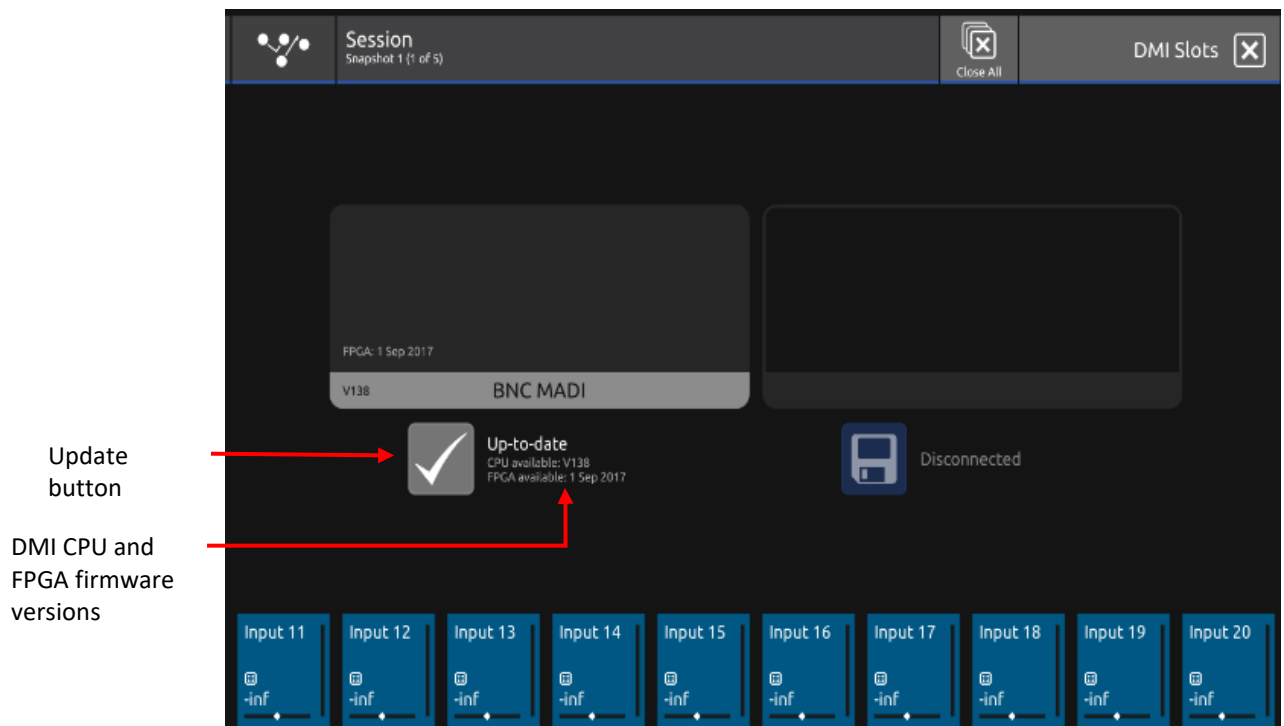
DMI card firmware can be checked and updated in DMI Slots view, which can be accessed in **System > DMI Slots**.

PLEASE NOTE: Ensure that all external devices are disconnected from the DMI card before proceeding with a DMI firmware update.

When updating both the CPU and FPGA firmware versions, two updates are necessary. The CPU update will come first, then there will be a brief pause and the FPGA update should then proceed automatically. Please ensure that both CPU and FPGA are up to date and, if they are not, press the "Update DMI Card" button again.

When there are no firmware updates available for a DMI card the update button will display 'Up-to-date'.





The current release code and its bundled firmware versions are as follows – red entries indicate changes for v3.0.9:

Description	Version 2.6.1	Version 3.0.9
Software	2.6.1	3.0.9
Worksurfaces	66	66
Engine : FPGA	03/09/2015	26/03/2021
Engine : DSP	05/11/2015	08/11/2021
DMI A3232 : FPGA	24/01/2019	24/01/2019
DMI A3232 : CPU	239	239
DMI ADC : FPGA	08/12/2015	08/12/2015
DMI AES : FPGA	08/12/2015	08/12/2015
DMI AMM : FPGA	29/01/2019	29/01/2019
DMI AMM : CPU	207	207
DMI Aviom : FPGA	08/12/2015	08/12/2015
DMI DAC : FPGA	08/12/2015	08/12/2015
DMI Dante : FPGA	02/03/2016	02/03/2016
DMI Dante 64 : FPGA	06/08/2019	27/10/2021
DMI Dante 64 : CPU	102	104
DMI Hydra : FPGA	08/12/2015	08/12/2015
DMI Hydra : CPU	222	222
DMI MADI : FPGA	01/09/2017	28/02/2019
DMI MADI : CPU	138	167
DMI-ME : FPGA	04/02/2019	04/02/2019
DMI-ME : CPU	238	238
DMI MIC : FPGA	21/06/2019	21/06/2019
DMI MIC : CPU	243	243
DMI Waves : FPGA	22/02/2016	22/02/2016

Note: if the DMI card CPU version is not specified then the general CPU version is 83.