



SD Software v634 Release Notes

**These release notes cover new features and fixes from V573 – V634.
V634 replaces V573 as the production release.**

IMPORTANT NOTE:

When using multiple consoles on an Optocore loop, please ensure that all consoles are running the same version of software. Consoles running V573 and V634 should not be run together on the same Optocore loop.

New Features in V634:

General:

SD9 has the option for Theatre and Broadcast application extensions (SD9B and SD9T)

SD10 has the option for a Theatre application extension (SD10T)

SD9 and SD11 can now run at a 96KHz sample rate.

To convert an existing 48KHz session, open the Session Structure panel and select the 96KHz option at the top of the panel.

At 96KHz, D-Racks connected on CAT5 cables will allow 28 inputs. Inputs 29 to 32 will be shown in the Audio I/O panel but cannot be selected as input sources.

New Copy Audio panel in the Setup menu (See supplementary document for more details)

All of the system I/O is made available in a cross point router format where any input can be copied to single or multiple outputs on any port.

For playback, you press the "Listen To Copied Audio" button and any channels that were fed by copied live signals will then switch to your nominated playback sources.

Any input can be set to "Listen Safe" mode which allows you to quickly replace the playback signal with the live mic on a per channel basis.

64 channel MADI is now supported as an extra device type called MADI 64 instead of Std MADI.

A Copy To button has been added to the expanded EQ, Dynamics and Aux Sends panels. These display the normal Channel Copy panel but with the scope set to the relevant module type.

A Reverse Link Pans button has been added to the stereo Aux Setup panel. This links the aux send pan to the channel panner but reverses left and right, useful for FOH and Monitors on the same console.

SD9 Graphic EQs can now choose to assign faders to the left surface, the right, or both, using buttons on the GEQ title bar.

Signals Over panel now floats over the whole desktop, and is not restricted to either the master screen or the overview screen.

New button on the Macros list panel on SD8, 9 & 11: Floating Labels will display a panel containing the names of the macros currently assigned to the surface buttons.

Buttons have been added to the Global Set to Defaults panel:- All Channel Types preselects all the channel type buttons; All Controllers asks for confirmation then acts directly on the whole console to reset channel controllers to default values for the selected channel types. Note it also includes controllers (like pans) not listed on the individual buttons beneath it. A Channel Names button has been added to set all channel names to their defaults - input channels will use their input socket name if routed, else Ch *nn*. This can be useful when racks are removed or changed leaving channels named after sockets which no longer exist. This is excluded from the All Controllers button behaviour. A Pan Default button has also been added to this panel.

A new Edit Hex button on the Snapshot MIDI List panel allows individual lines to be entered as hex, thus providing full capabilities for handling SysEx messages.

MIDI Sys Ex messages added to Macros panel. Touch the column containing the displayed hex to select it then touch again to edit.

A new touch-sensitive Set Date & Time panel replaces the Windows dialog previously used.

File Load and Save panels can now be sorted by name or date by touching one of the first two column headings. Touch again to reverse the order. Template sessions are now listed in alphabetical order, since no date is displayed.

The Copy Backup button is now operational on load/save panels. It can copy from an internal drive to a removable drive or vice versa. The source is the drive currently on view. The panel remembers which folder you were in when you switch between drives, hence it is possible to copy to/from subfolders. Only files marked with * in the BU column are copied, and these asterisks turn into ./ when the copy is complete. This can be cleared with the Set Backup function.

A new option, Display Messages until Acknowledged, has been added to the Status tab on the Options panel. This disables the message display timer and prevents message boxes from fading and closing automatically.

A new Console option called Single Engine Only which is only applicable to SD7, allows two Single engine SD7s to be mirrored correctly.

SD5 now creates a MADI 3 port at 96k by default. Only the first 28/32 sockets will pass audio.

There is now an extra confirm stage for Quit To Windows and Restart, as well as the normal file-not-saved warning.

Added Auto-Update button to Snapshots panel for standard SD9/11.

A Timecode & Transport panel has been added to the Master screen / Setup menu allowing selection of Timecode sources and frame rates.

A Transport button in the Macros panel allows automatic creation of Macros for standard Transport Functions.

Broadcast software only:

See SD_Broadcast_User_D.pdf for more details.

SD9B allows the following Surround Buss configurations:

1 x 5.1 Master Buss plus 16 Flexi Busses (Mono or Stereo)
OR
2 x 5.1 Busses (Inc Master) plus 13 Flexi Busses (Mono or Stereo)
OR
3 x 5.1 Busses (Inc Master) plus 10 Flexi Busses (Mono or Stereo)

SD11B now allows the following Surround Buss configurations:

1 x 5.1 Master Buss plus 12 Flexi Busses (Mono or Stereo)
OR
2 x 5.1 Busses (Inc Master) plus 9 Flexi Busses (Mono or Stereo)

There are now aux sends for group busses. An Aux Sends button appears on mono and unfolded groups to display the expanded auxes panel. Snapshot Scope also amended to allow aux sends on groups.

Group to Group UpMix/DownMix settings can now be specified per group:-

- An extra button on the Outputs panel displays these settings (in output routing mode only; hidden when routing inserts).
- They behave identically to the equivalent mix settings on Sources.
- There is a Copy From button which pops up a list of other groups of the same width - touch one to copy its UpMix/DownMix settings.
- These settings are also included when using Channel Copy To/From, if the Groups scope button is pressed and the source and destination groups are the same width.
- Settings are stored per session; they are not included in snapshots or presets.

UpMix/DownMix Presets are now available on the Sources panel or the Group-to-Group Mix panel. They are interchangeable between these panels, as long as the stereo/surround mode matches.

Broadcast Dual Solo mode now allows the two channel solo buttons to join either solo buss independently and irrespective of Solo Choice. This allows both AFL and PFL on the same channel, providing the PFL/AFL solo modes are chosen appropriately. Solo Choice is hidden but there are global controls in the Solo panel to choose which solo button connects to which solo buss.

Solo 2 can now output a mono signal to the monitor matrix.

Both Solo Busses still have mono direct output routing.

Added Speaker Delays to the Speakers panel.

Delay Units now includes frames. The Frame Rate setting on the Timecode & Transport panel determines the conversion factor.

There is now an extra Disable Option for all surface mute buttons.

Theatre software only:

Players – See SD_Theatre_User_B.pdf for more details

Fader Module Cues are now displayed as dB levels.

Errors fixed in V634:

Meter bridge with unfolded bus didn't show correct pre/post meters for non-left legs

AV fixed when repeatedly spilling sets containing aux outputs (or groups or matrix outputs) with surface assigned to centre screen.

New Custom Alias ignored Update Changes ticks and made every module type unique to the Alias.

Stereo input Multiband Dynamics were being counted as two when calculating product limits.

With all 32 matrix inputs in use, bad messages could be generated by the talkback matrix send module, causing loss of bussing on a specific channel.

Fixed AV when closing/restructuring/loading if Multis are in a bank on the Overview screen

Snapshot Edit Range dealt with FX addition and deletion OK, but wasn't correctly handling changes to FX type

CG Cues panel was very slow to refresh in a complicated session because the CG Assign panel was refreshed with every CG Cues row, rather than just with the current cue row.

Touching Recall Scope column headings could affect other columns.

With Solo Aux to Faders and CG Aux Sends options on, while an aux is soloed, changing banks on the centre section positioned output channel faders 10dB too low.

With large sessions, holding Shift or Control keys down to select multiple members in the Theatre CG Cues panel caused CPU usage to reach maximum, preventing repainting of screen components until the key was released.

Resizing columns is now prevented from completely hiding columns. Widening a column makes sure the column to the right gets no smaller than two or three pixels.

Rack Tallies received weren't broadcast to mirrored remotes so remotes did not receive changes originating from a different non-mirrored console sharing the same rack.

On a surround joystick panner, the green cross (hardware position) and audio controller position could sometimes get separated when moving vertically upwards despite having been locked together.

Changing Toggle/Pulse while mirrored produced an AV on any remote whose GPIO Relays panel was not showing.

Ganged dynamics controls were not mirroring correctly first time after changing type

Copy To always used left leg as copy source on unfolded busses

EQ Preset failed to recall Q if switching to shelf with Q higher than 0.85

Right-Click on insert send gain and others in Channel Outputs panel operated Group routing buttons.

AES42 input gains are now treated as stereo pairs with both sides using the same gain, like the pre-attenuation pads.

AES42 pre-pads were not recalled correctly for added racks.

EQ Classic/Precision buttons could both become pressed at the same time causing an AV.

Clearing Snapshots but not clearing Waves on Session Structure didn't clear the Waves snapshots.

List index out of bounds when soloing stereo auxes or groups set to Solo1&2 with Solo 1 multi and Solo 2 single.