



General

These release notes address the notable changes and information about the ControlSpace Designer software release, Version 5.9.2. This information is current as of October 14, 2021.

For additional information regarding the ControlSpace Designer software see:

https://pro.bose.com/en_us/products/software/signal_processing/controlspace_designer.html#v=controlspace_designer_variant

Questions and feedback related to the use and application of ControlSpace systems can be found at the Bose Professional Pro Audio community forum: <https://community.bose.com/t5/Professional-Installed/bd-p/proaudio>

Changes

This release includes the following changes:

Updated Firmware for ESP and EX Devices

1. The internal hardware for analog to digital, (A/D), and digital to analog, (D/A), circuitry has been changed in the ESP and EX processors, and EX endpoints. The use of new circuitry necessitates a firmware change to support the new hardware.

During the firmware update process the ControlSpace Designer software will detect which circuitry version is present and will load the correct firmware.

For reference the new A/D and D/A hardware was implemented in the following processors:

Processor	Manufacturing Start	Date Code
ESP-880A	July 2021	1201
EX-12AEC	July 2021	1201
EX-1280	July 2021	1201
EX-1280C	August 2021	1228
EX-440C	July 2021	1201

New Features / Improvements

This release includes the following new and improved functionality:

1. A new search function filters the Device/Signal Processing list based on the search term to simplify finding devices in the list.
2. The Dante Firmware update dialog has improved messaging directing the user to the Dante Updater application which can be accessed from Dante Controller.

Fixes

The following issues were addressed in this release:



General Issues

1. A Commercial Sound Processor (CSP) or PowerSpace+ can now be installed on the same network with ControlSpace devices.
2. User changes to the wiring in Project and Signal Processing views not properly being saved.
3. Audio route labels with Conference Room Router being improperly updated.
4. Addressed issue that caused merged files to be corrupt.
5. Addressed issue where ControlSpace Designer will crash when retrieving a project file which contains a project/device IP addresses outside of the current project network addressing scheme.
6. Issue related to crash with an ESP-00 using CobraNet card when Check System Resources is performed.
7. Updated Project View icons for ArenaMatch arrays.

Audio Processing

1. Dialog for Dante firmware update now reads "Please use Dante Updater which is accessed from within Dante Controller to update ControlSpace Dante Devices."
2. Calc ESP Resources crash related to when Predictive Feedback Suppression function is used in a design.
3. Loading a saved PEQ with fewer bands than is in the PEQ block no longer clears/removes the extra bands.
4. Stereo Room Combiner not correctly routing the BGM signal to more than 3 processors when Dante is used for BGM distribution between processors.
5. User is now warned when deleting a Dante Audio Routing block within a processor as it will affect the Dante audio routing.
6. AEC Gain not being properly stored when settings are saved to the processor.
7. EX-1280 crashes when a project file containing a Parameter Set List with modified a Matrix Mixer.
8. Matrix Mixer port count is now properly set to the correct I/O of the device.

Control

1. Deleting items within a Parameter Set and subsequently deleting the Parameter Set does not fully delete the Parameter Set.
2. Using a CC-64 to control the gains within an EX processor does not use defined step size for gain changes.
3. CC-xD controllers not controlling output gain of PowerMatch devices.
4. Room Combine state is now read only using SoIP.
5. SV/GV now works for Dante I/O in EX processor.



ControlSpace Designer Logic Blocks

1. Assigning a Logic Action from an ESP-00 to a Trigger on an EX-1280 will result in an error.
2. If you connect the logic out of a USB to a Parameter Set Recall block, when you go online, the connection disappears.

Dante

1. When a Dante device is no longer associated with a project it still shows as “connected and associated.”
2. Slow response of endpoint connection status once devices are discovered.
3. “Add Dante Endpoints” menu item is now disabled when Dante Control is disabled.
4. Control of Dante for an EX-1280 using serial IP (SV/GV) not working.
5. When Dante I/O is added to a group the properties of the Gain are not properly stored.
6. Dante device Project View icons not properly updated to show Domain enrollment when assigned to a Dante Domain within ControlSpace Designer.

ControlSpace Remote

This release is compatible with ControlSpace Remote Version 2.10.

Third-party Control

No changes in this release.



Firmware Versions

This release of ControlSpace Designer software requires a firmware for specific devices to enable the functionality included in this release. Updated firmware versions are noted with shading in the following table:

Device/s	Device FW	Dante FW	Notes
ESP-00 II	5.040	3.0.1	
ESP-880/880A/880AD/1240/1240A/1240AD/1600/4120	3.543	3.0.1	
EX-12AEC/440C/1280/1280C	2.343	3.0.2	
PM4250N/4500N/8250N/8500N	3.750	3.0.1	
PS404D/604D	1.510	3.0.0	
EP22/40-D	--	5.0.0	
EX-4ML/8ML	2.000	3.0.0	
EX-UH	2.000	3.0.0	
WP22B/BU-D	--	5.0.0	
CC-64	1.120	--	
CC-1/2/3D	0.910	--	
MSA12X	1.042	3.0.0	



Known Issues, Defects and Limitations

The following are the known issues and defects with this release. Information included here can be useful when troubleshooting issues with software or hardware operation:

General Issues

1. When the network address of the active network interface does not match the Project Network Address Dante devices will not be discovered and added to the Project View. (CSUPDATES-7020)

Signal Processing

1. If a USB Input Module is not wired to an Output Module, that Module will not show Metering data. (CSUPDATES-6112)

ControlSpace Designer Logic Blocks

1. Assigning a Logic Action from an ESP-00 to a Trigger on an EX-1280 will result in an error. (CSUPDATES-6113)
2. The states of Logic Connectors within the Logic Wiring View may sometimes show the incorrect state. This does not affect the functionality.
3. PSet is not recalled via PSetRecall block if the PSet selection within the PSetRecall block is changed after the PSetRecall block has been wired and when wired from the PSetRecall block to another block. (CSUPDATES-6109)
4. The logic out of the meter block never changes color although it triggers correctly. (CSUPDATES-6110)

Dante End Points

1. The EX-8ML may boot up with a Link Local address upon first use, rather than DHCP. Rebooting the device will then revert the address to DHCP. (CSFLAM-261)

Telephone Call Functionality

1. PSTN and VoIP Ring and Voice Levels are not being properly set. There is no difference in audible level between 0 dB and +10 dB. (CSFLAM-202)

ControlSpace Remote

1. On an Avaya system It is not possible to end a VoIP call with CSR when the Far End is in a "Hold" state. (CSUPDATES-4352)

Other Issues

1. When programming Selectors, Gains, Analog Inputs/Outputs for GPI digital, they may not function when using EX-1280C with Legacy devices. (CSUPDATES-6116)
2. PowerMatch will not alert the user to a Digital Audio loss (Dante, AmpLink, ESPLink, CobraNet or other Digital Audio Sources). (PROSUPPORT-399)



Minimum System Requirements

The following are the minimum system requirements for running ControlSpace Designer software:

- Microsoft Windows 10 (32-bit or 64-bit)
- 1 GHz processor (or better)
- 512 MB of available RAM (1 GB recommended)
- 512 MB of available disk space
- Minimum resolution of 1366 x 768 WXGA
- 1 available USB port
- 1 available Ethernet port (100 MB minimum, 1 GB recommended)
- ControlSpace Designer requires Microsoft® .NET Frameworks 4.5 to be installed. If required, this will be installed automatically as part of the ControlSpace Designer installation.
- ControlSpace Designer also requires the Microsoft® Visual C++ 2019 runtime library. If required, this will be installed automatically as part of the ControlSpace Designer installation.

Note: Microsoft Windows XP, 8, and 8.1 are no longer officially supported.