ControlSpace® Designer™ software 5.6

August 6, 2019

Revision: 1.0

Release Notes

This release of ControlSpace Designer and firmware adds the following features:

1. Improved copy and paste of SP modules within and between supported DSPs.

2. Updated SOIP to allow for subscriptions instead of polling. Please see the SOIP document (available on pro.bose.com) for full details.

3. Reduced project file load times for designs by 40%

4. CC-xD properties now displays firmware version.

5. Message now displayed when the CC-xD is rebooting after a network configuration change.

6. Conference Room Router is now available in EX-12AEC.

7. Added Link Group support to PS404D and PS604D.

8. Updated the SOIP documentation for working with ArrayEQ block in PowerMatch

9. Source selector block has increased to a max of 32 channels.

10. User is now prompted when trying to name modules or I/O channels with the existing names. This will help users to avoid SOIP failures due to naming conflicts.

This release of ControlSpace Designer and firmware fixes various issues including:

General Issues

1. The SoIP document incorrectly lists which index/slot to use when querying level data.

2. Dante update tab in hardware manager not showing full information for all products

3. MSA12X was incorrectly recalling beam presets

4. CSD does not display out-of-project devices in Hardware Manager

5. CSN device block levels were displaying -60.5 dB instead of negative infinity in CSD

6. Audio wires color doesn't seem to hold for future connections once it is changed.

7. CSD could crash when scanning a device with a netmask different from the project netmask

8. When changing the IP address of a CSN device, the following error message sometimes appeared, "IP address already exists on the network. Please provide unique IP Address"

9. MSA12X sometimes incorrectly set level gains and delays to 0 on slave module channels

10. Having 30+ PowerMatch amplifiers with digital I/O cards in one project may corrupt design file.

11. When using Linked AMM, the AMM "Number of Mics" will latch to the highest Mic, rather than the lowest.

12. Labels were not always inherited correctly when using Audio Routes.

13. Uploading a design file that meter and logic out blocks sometimes would take a long time to upload or fail to upload due to a timeout message.

14. When CSD flags a Project Address mismatch it shows the "should be" address incorrectly.

15. Some files would not merge correctly.

CSD I/O Issues

1. CSD does not allow grouping of more than 32 Dante Output channels. Attempting to upload with this programming will result in an error.

2. CSD is not displaying more than 10 user defined channel names for Dante Output modules.

3. Dante Input/Output blocks incorrectly being displayed for ESP-880A and ESP-1240A

Parameter Sets

1. CSD can crash when attempting to delete a parameter set that has a CC-16 or CC-64 in it.

2. When a Group is used in a parameter set and it is invoked by the parameter set, you can no longer control this Group via RS232.

3. Parameter set recall logic block cannot recall Pset numbered greater than 16

4. PS404D / PS604D group master level / mute doesn't get set properly by parameter sets invoked in CSR, CSD and SOIP.

5. Parameter set recalls due to GPI & SOIP serial in triggers failed on PM8500N

6. If a PM device changes parameter sets while online and does not save to flash, going online by getting from device results in CSD displaying the original parameter set selection rather than the selection that was selected while PM was online.

7. CSD did not allow the user to program identical, redundant parameter set settings in to the same timer including when one of the parameter sets has PowerMatch-specific parameter set settings.

Controllers (CC-xD, CC-16, CC-64)

1. Could not change gateway for digital zone controllers (CC-1D, CC-2D, CC-3D) in HWM

2. Initial label in CC-64 when going online is always 'NONE' for BGM selector of Standard Room Combiner

3. Custom name created for CC-xDs are not show when devices are scanned or displayed in hardware manager

4. CC-64 could crash while CSD uploaded a design with groups / parameter sets to ControlSpace devices and CC-64.

5. CC-xD does not allow deleting of individual Parameter Set Lists elements

6. Illegal bridged PowerMatch Outputs could individually be dragged and dropped onto CC-64 and CC-16

7. When you add each PowerShare output to a group, then add that group to CC-xD to control all volume or mute simultaneously, it causes the level to jitter when the knob is turning.

8. For CC-xD, reordering the Parameter Sets in the tree view does not change the Parameter Set bindings to the selector buttons as a user might expect

9. CCxD Device names are not populated in HWM entries

10. When a CC-xD is set to control a Group, it does not follow the property settings for Min, Max, and Step.

11. CC-xD shows no indication of mute state when set for Mute-only Group. Now the furthest clockwise (right) LED will blink to indicate the group is muted

12. CC-xD set for Volume-only Group stops adjusting volume after Long Press. Long-press is typically used to MUTE. Doing a second long-press allows volume to be adjusted again as expected.

13. Changing the mode of multiple CC-xD at one time was failing in CSD

14. CC-xD was not matching level and mute state set in CSD on upload

15. Could not change the gateway for CC-xD devices in Hardware Manager

16. Using a CC-64 to mute/unmute a PM group can create an out of sync state on the CC64 and CSD

17. Deleting a device (DSP, Amplifier) that had Volume control settings assigned to a CC-xD didn't clear the setting in the CC-xD correctly

Logic

1. If a Logic Routes is used to connect logic ports, there are the cases where logic control may not work properly after changing the connection of the wire between the block and the Logic Route. This defect can occur with CRR, AMM, Source Selector, and USB Output.

2. USB Output Logic does not function when using Logic Routes across multiple devices.

3. If a set of Logic Blocks are set up incorrectly, such as an OR Block looped back to itself, which causes an "infinite loop", Control Space Designer will crash.

4. Logic Module "Parameter Set Recall" cannot be changed to a value higher than 16 with the Context Menu item "Change Channel Count".

Conference Room Router/Combiner

1. Changing the Label of Port in a Conference Room Router will not change the Label in the CRR Matrix view.

2. Adding Far end to CRR via wizard could cause CSD to crash

3. CRR Non-Mic Mix intermittently, audibly mutes itself

Under Table Boxes

1. Endpoints are shown as Static in Hardware Manager, even though they are set to DHCP

2. Deleting EX-UH Dante Module was not removing Dante association of USB R with DSP

ControlSpace Remote

1. No feedback on CSR group slider (needs a better description)

2. CC-2D, CC-3D were not properly invoking parameters sets > 4

3. ControlSpace Remote will show 8 Far End Sources regardless of how many exist in the CSD Design File.

Telephone Call Functionality

1. Incoming calls to PSTN do not display full caller ID when calling from some countries.

Firmware

Firmware included in this release:

	FW	Dante FW	Notes
EX-12AEC, EX-440C, EX-1280/C	2.010	2.0.0	
EX-UH	1.002	1.0.7	
EX-4ML	1.000	1.0.4	
EX-8ML	1.000	2.0.0	
Fixed IO ESP	3.210	2.0.0	With DNC-R32
ESP-00	4.720	2.0.0	With DNC-E
PowerMatch	3.410	2.0.0	With DNC-P
PowerShare	1.220	1.0.3	
CC-64	1.120		
CC-1D/2D/3D	0.826		
EP22D/40D, WP22B/BU		4.1.0	
MSA12X	1.041	1.0.0	

New (this release)

No change from previous release

CSR

Version 2.7 Builder and app are required.

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. If a USB Input Module is not wired to an Output Module, that Module will not show Metering data.

2. PowerMatch will not alert the user to a Digital Audio loss.

CSD Logic Blocks

1. Assigning a Logic Action from an ESP-00 to a Trigger on an EX-1280 will result in an error.

2. The states of Logic Connectors within the Logic Wiring View may sometimes show the incorrect state. This does not affect the functionality.

3. Pulse Logic does not function when used with OR logic while CSD is online.

Under Table Boxes

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.

2. EX UTB, when programmed in DHCP mode, may be shown as "Static" in CSD Hardware Manager.

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.

ControlSpace Remote

1. It is not possible to end a VoIP call with CSR when the Far End is in a "Hold" state.

3rd Party Mics

1. The "Load Preset" function for the SHURE-MXA910 Mic Control Panel is not functioning correctly in ControlSpace Designer.

Other Issues

3. When programming Selectors, Gains, Analog Inputs/Outputs for GPI digital, they may not function when using EX-1280C with Legacy devices.

4. If performing Firmware Updates on multiple EX-1280Cs, the Front Panel display may go to "sleep", and the "Updating Firmware" message may not be seen.

5. A CC-16 mapped to a selector may continue to show (*) after the selection is made.

Legacy Devices

1. Grouped Levels do not change via Serial command if the Group is Muted.

2. When changing the IP address of the ESP00-II the user must manually power cycle the device for the setting to take effect.