

Overview

These release notes address the notable changes and information about the ControlSpace Designer software release version 5.13.1. Version 5.13.1 is a feature release that improves Version 5.13.0 with the following list of new features, changes, and defect fixes. New firmware is available for MSA12X loudspeakers and PowerShareD amplifiers and is included with this release.

For additional information regarding ControlSpace Designer software see:
https://www.boseprofessional.com/en_us/products/software/signal_processing/controlspace_designer.html#v=controlspace_designer

Updates in ControlSpace Designer software 5.13.1 (Released June 2024)

New Features 5.13.1

1. PowerShareX amplifiers: added Alarm/ Fault Panel
 - A. Set and monitor alarms and faults from one window
 - B. Alarm/Fault Panel adds thermal stress, standby, and GPO status monitors (which represent what is alarming out of the rear panel hardware GPO alarm outputs) to the CSD window so you can observe all these states from the single window
 - C. Moved pilot tone generator from the fixed signal block in Device View into the Alarm/Fault panel to allow configuration in the same window as the pilot tone alarms
 - D. Added 'use settings from ch1' feature to ch2-4 to expedite setting up multiple output channels with the same settings
2. PowerShareX amplifiers: Added additional gain and mute control options in the input matrix
3. Added New 3rd Party Control Support for PowerShareX and MSA12X
 - A. PowerShareX amplifiers: Q-Sys PSX Amplifier plugin v1.02.2 available for download for monitoring and control of PSX amplifiers from the Q-Sys Ecosystem
 - B. PowerShareX amplifiers: UDP Protocol document available for download which allows monitoring and control of PowerShareX amplifiers from other Control & Audio DSPs, for use when a Bose Professional DSP is not present in the design.
 - C. MSA12X: 5.13 Serial control protocol document available which includes 11 new commands for setting and monitoring MSA12X powered digital beam-steering array loudspeakers from other Control & Audio DSPs, including changing beam presets

Changes

1. PSX Amplifiers will now display amplifier output voltage in both peak and RMS values
2. CSD hardware manager changed the way to display the version information of the Dante Firmware from v3.000_build3 to v3.03.

Defect Fixes

1. Fixed defects where PowerShareX amplifier Clip and Peak limiter checkboxes were unlocked with Bose Professional Speaker EQ presets when they should be grayed out and locked.
2. Fixed defect where MSA12X standby state was not changing via param set recall when paired to EX processor
3. Fixed defect where MSA12X presets were not transferring from CSD to speaker correctly regarding Beam EQ bypass states
4. Fixed defect where Changes to MSA12X via serial command were not consistently reflected in CSD
5. Fixed defect where MSA12X active input can fail to update despite showing as 'Connected'
6. Fixed defect where MSA12X control panel can fail to render correctly if minimized and then restored in a specific sequence
7. Fixed defect where Alarm panel of PowerMatch and PowerShareD can be opened while offline
8. Fixed defect where Controls for the Band Pass of Speaker PEQ do not work as expected
9. Fixed defect where the display of controls for wires does not disappear and remain drawn: if you duplicate two blocks that are connected by wire(s), the controls for the wire(s) remain drawn, even if you delete the wire(s).
10. Fixed defect where default settings of the Parameter Set Recall block get inappropriate
11. Fixed defect regarding the display of the firmware version of CC-xD on the Hardware Manager
12. Fixed defect of a mismatch of the output configuration of the PSX device not being detected when going online with download.
13. Fixed defect where Matrix and Limiters of PowerMatch devices have an "Add To Timer" option when they should not
14. Fixed defect where PSX Alarm of Thermal Stress is not reflected in several indicators in CSD
15. Fixed defect where 4 Channel PowerMatch Matrix could display glitched with left and right gain settings overlapping matrix crosspoint grid
16. Fixed defect where Signal Processing View of the PowerMatch may get inappropriate
17. Fixed defect where PSX device view had a wiring glitch when opening existing files
18. Fixed File read error when opening an existing PSX file with groups
19. Fixed defect where PSX Proxy Process crashes repeatedly when trying to go online with an existing file containing PSX devices
20. Fixed Defect where PSX Matrix in/out levels/mutes were not grouped when opening an existing design
21. Fixed defect where PSX alarm detected value units are a long way from correct values



- 22. Fixed defect with PowerMatch and PowerShareD amplifiers where CSD stalls out or crashes when attempting to go online after closing the Alarm Panel In a specific sequence

ControlSpace Remote

This release is compatible with ControlSpace Remote 3.0.8

Third-party Control available for download at BoseProfessional.com

- 1. **EX/ESP Processors and Endpoints:**
Crestron and AMX files are available at BoseProfessional.com.
[Bose EX, ESP, EX-8ML Drivers for use with Crestron Systems, November 2022](#),
[Bose EX Driver for use with AMX, November 2022](#)
- 2. **PSX Amplifiers:** Q-Sys PSX Amplifier plugin v1.02.2
- 3. **PSX Amplifier:** New UDP Protocol document
- 4. **MSA12X** commands added: New Updated 5.13 Serial control protocol document

Firmware Versions included with the 5.13.1 release

This release of ControlSpace Designer software requires a firmware Update for specific devices to go online. Updated firmware versions are noted with shading in the following table:

Device(s)	Device FW	Dante FW*
ESP-880A (Fixed IO Processors) ESP-880/880AD/1240/1240A/1240AD/1600/4120	3.820	v3.0.1
EX-12AEC/440C/1280/1280C	2.730	(BK2) v3.0.3, (BK3) v4.0.0
PM4250N/4500N/8250N/8500N	4.010	(BK2) v3.0.1 (BK3) v4.0.0
PSX1204D/2404D/4804D	1.11.0.162	v2.1.5
PS404D/604D	1.710	v3.0.0
EX-4ML	2.000	v3.0.0
EX-8ML	2.000	(BK2) v3.0.0, (BK3) v4.0.0
EX-UH	2.000	v3.0.0
CC-64	1.120	-
CC-1D/2D/3D	0.914	-
MSA12X	1.058	v3.0.0
ESP-00 II (Variable IO Processors)	5.110	v3.0.1



*Dante FW version appearance within ControlSpace Designer has been updated from v3.000_build3 to v3.0.1 format, but these are not new firmware files

Known Issues, Defects, and Limitations

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

PSX Amplifiers Settings in Device

1. PSX cannot act as RTC/Main device
2. PSX cannot allow parameter sets, CC-xD, CSR controls to dynamically control the amplifier when the PC is offline
3. PSX cannot use timers
4. PSX Power-On state is always 'restore last settings' and this cannot be toggled off
5. All inputs wake up PSX from standby and you cannot limit it to fewer inputs

PSX Amplifiers Signal Processing

6. PSX amplifier's limiter behaves differently than PowerMatch or PowershareD, therefore custom limiter presets have been loaded in the Bose Professional Loudspeaker EQ preset files bank that comes with CSD 5.13.1. They contain different values than PowerMatch or PowerShareD amplifiers.

MSA12X endpoints 5.13 serial command support

1. The maximum number of SoIP connections supported is 1 SoIP connection
2. Sending a large quantity of API calls rapidly may make the device unresponsive

Minimum System Requirements

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

- Microsoft Windows 10 version 2004 or later
- 1 GHz processor (or better)
- 512 MB of available RAM (1 GB recommended)
- 512 MB of available disk space
- Minimum resolution of 1366x768 WXGA
- 1 available USB port
- 1 available Ethernet port, 100 Mbps minimum, (1 Gbps recommended)



- 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.

Notes:

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