



Overview

These release notes address the notable changes and information about the ControlSpace Designer software release version 5.15.1. Version 5.15.1 is a feature release that improves Version 5.15. with the following list of new features, changes, and defect fixes. New firmware is available for EX and ESP processors and PowerShareX amplifiers.

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 5.15.1 (Released November 2025)

New Features 5.15.1

1. New devices added to ControlSpace Cloud:
 - a. PowerShareX PSX1204D / PSX2404D / PSX4804D
 - i Connection status and History
 - ii Limiting History
 - iii Clipping History
 - iv Alarm History
 - v Fault History
 - vi Analog Input/Output Signal Level
 - vii Input Type
 - b. CC-16 / 64 / xD
 - i Connection status
 - c. WP22B-D / WP22BU-D
 - i Connection status
2. New device dashboards, telemetries, and commands in ControlSpace Cloud:
 - a. ESP-880A / EX-1280 / 1280C / 440C
 - i Reboot command
 - ii ParameterSet (PSet) Recall command
 - iii Get Current ParameterSet command
 - iv Request Design File command
 - v DSP Usage

- vi CC-16 connections
 - vii Analog Input/Output Signal Level
 - viii Amplink Signal Level
 - ix Dante Signal Presence and connections (*not available for ESP-880A*)
 - b. MSA12X
 - i Reboot command
 - ii Module count
 - iii Signal type
 - iv Audio level
 - c. PowerMatch PM4250N / PM4500N / PM8250N / PM8500N
 - i Reboot command
 - ii Clear alarm command
 - iii Analog Input/Output Signal Level
 - iv Input Type
 - d. PowerShare PS404D / PS604D
 - i Reboot command
 - ii Analog Input/Output Signal Level
 - iii Input Type
3. Added a new File menu option, *Import Speaker Presets...* for future use cases allowing Bose Professional to release new loudspeaker presets without requiring a complete ControlSpace Designer update.
 4. Added functionality that allows multiple EX or ESP processors in a system to run additional PSXProxies.
 5. Added right-click menu option *Show PSXProxies...* to ESP and EX processors to display a list of PSXProxies running on a DSP.
 6. Updated *Set Project Network Properties* UI to include advanced networking properties such as DNS and Proxy Server connections.
 7. The 2x2 USB interface for EX-1280C and EX-1280 may now be configured as a 0x4 interface.
 8. Added new Tools menu option, *Run PSXProxy without CSD*. This allows the PSXProxy to run after closing ControlSpace Designer and will automatically launch when the PC is rebooted.



9. New loudspeaker presets
 - a. Forum FC108 and FC112
 - b. DesignMax Luna DML88P

Changes

1. Updated device firmware:
 - a. EX (EX-12AEC/440C/1280/1280C)
 - b. ESP (ESP-880A)
 - c. PowerShareX (PSX1204D / PSX2404D / PSX4804D)
2. PSXProxy is now able to run on EX/ESP processors other than RTC devices.
3. Updated ControlSpace Cloud UI in CSD
 - a. Added instruction to *Go Online* before enabling ControlSpace Cloud and claiming a device.
 - b. Status changes from *Ready to be claimed* to *Claimed* after a device has successfully been registered to ControlSpace Cloud.

Defect Fixes

1. Fixed a defect resulting in EX-UH connection issues.
2. Fixed a defect resulting in EX-1280 connection issues.
3. Fixed a defect resulting in alarm log timestamps changing from local time to UTC.
4. Fixed a defect resulting in a group master fader option becoming unintentionally enabled.
5. Fixed a defect in systems containing both PowerShareD and PowerShareX amplifiers and a CC-64 controller resulting in the CC-64 not displaying changes.
6. Fixed a defect resulting in meters freezing in PowerMatch and PowerShareD amplifiers .

ControlSpace Remote

This release is compatible with ControlSpace Remote 3.1 and earlier versions.



Third-party Control available for download at BoseProfessional.com

Documents

1. [Serial Control Protocol 5.15](#) is a communication mechanism for Bose Professional ControlSpace products to interface with third-party control systems.
2. PSX Amplifier: UDP Protocol document using UDP binary command language
[PSX Amplifiers UDP Control](#)

Plugins

3. Crestron and AMX files
[Crestron EX Series v3.2](#) (Also works for ESP-880A)
[Crestron EX-8ML v1.0](#)

[Drivers for use with AMX systems, 1.0.12 \(November 2022\)](#)
4. Q-SYS plugin
PSX Amplifiers: [PSX_Amplifiers_Q-SYS_v1.03](#)



Firmware Versions included with the 5.15 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 ESP-880/880AD/1240/1240A/1240AD/1600/4120	4.011	v3.0.2
EX-12AEC/440C/1280/1280C	3.011	(BK2) v3.0.5, (BK3) v4.1.0
PM4250N/4500N/8250N/8500N	4.013	(BK2) v3.0.2 (BK3) v4.1.0
PSX1204D/2404D/4804D	1.12.0.102	v2.1.5
PS404D/604D	1.723	v3.000
EX-4ML	2.020	v3.000
EX-8ML	2.020	(BK2) v3.0.1, (BK3) v4.1.0
EX-UH	2.020	v3.0.0
CC-64	1.120	-
CC-1D/2D/3D	0.916	-
MSA12X	1.060	v3.0.0
ESP-00 II (Variable IO Processors)	5.110	v3.0.2

*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 defects and defects with this release. The information included here can be useful when troubleshooting defects with software or hardware operation:

1. PSX cannot act as RTC/Main device
2. PSX Power-On state is always 'restore last settings' and this cannot be toggled off
3. All inputs wake up PSX from standby and you cannot limit it to fewer inputs
4. 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. They contain different values than PowerMatch or PowerShareD amplifiers.
5. Operating "Control 1" knob of the CC-64 may cause a discrepancy between the value of the level of the Group displayed on the CC-64 and that of each Output displayed on the CC-64.
6. In rare cases, you may need to reboot an EX processor after configuring a DHCP address for telemetry information to be sent to the ControlSpace Cloud.
7. In rare cases within a large system, some PSX amplifiers will appear to be in standby in CSD; however, the monitoring tool and front LED of the amplifier indicate they are in Ready mode.
8. In large systems (40 PSX devices), when the user goes online in CSD there are some PSX devices which appear to be in standby but the front panel shows the devices are in Ready mode.
9. When operating the Group gain of the outputs of 22 PSX amplifiers from CC-64, CC-16, or CC-xD, the Group gain may fluctuate.
10. Nothing may be displayed on the CC-64 when operating the Group gain of 22 PSX amplifiers.
11. The CC-64 may not go online when operating the Group gain of 22 PSX amplifiers.
12. Group functions do not work when there are 5 EX or ESP devices and 50 PSX amplifiers in a system design.
13. ParameterSets cannot be recalled from CC-64, CC-16, CC-xD when there are 5 EX or ESP devices and 50 PSX amplifiers in a system design.
14. Timer functions do not work when there are 5 EX or ESP devices and 50 PSX amplifiers in a system design.
15. Going online with 2 EX or ESP devices and 22 PSX amplifiers may take approximately 60 seconds. Adding additional devices increases the going online time.
16. In rare cases when transferring a system from one ControlSpace Cloud account to another, the RTC's Cloud ID may display the value of 'null' in ControlSpace Designer and unable to be claimed. To resolve this issue, please downgrade the RTC's firmware. If using an EX, this will require 3.008 or when using an ESP-880A, this will require 4.008. After downgrading the firmware, please proceed with a firmware update.



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, 7, 8, and 8.1 are no longer officially supported.