Overview

These release notes address the notable changes and information about the ControlSpace Designer software release version 5.14. Version 5.14 is a feature release that improves Version 5.13.2 with the following list of new features, changes, and defect fixes. New firmware is available for many hardware products 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 5.14 (Released September 2024)

New Features 5.14

1. Added ControlSpace Cloud integration for remote monitoring.

    a   Introduction of ControlSpace Cloud device controls in CSD

    b   Updated Firmware for DSP and amplifiers to function with ControlSpace Cloud

    Supported Products in 5.14 release include:
    EX processors
    ESP-880A processors
    PowerMatch Amplifiers
    PowerShareD Amplifiers
    MSA12X powered-loudspeakers
    EX endpoints (EX-UH, EX-4ML, EX-8ML)

    Note: PSX Amplifiers will be supported in ControlSpace Cloud in a future release

2. Added ControlSpace Accelerator

    a   At the same time of the release of CSD 5.14 and ControlSpace Cloud, we are also releasing ControlSpace Accelerator in standalone application or web-based versions.

3. New Loudspeaker presets

    a   EdgeMax-LP (including SmartBass presets)

    b   AMU 108-120, AMU 208-120

Changes

1. PowerShareX PSX amplifiers now updated to v1.12 firmware

2. Updated EdgeMax and EdgeMax-LP device icons in project view

3. Add alarms for clip and limit for Powershare D, to allow a similar experience to other amplifiers

Defect Fixes

1. (Fixed in 5.13.2): Fixed defect where PowerShareX amplifier limiter blocks reverted to default channel limiter settings just after going online with downloading, instead of using the configuration values

2. Serial Protocol Document 5.13 now included in help folder

3. Fixed intermittent issue that could occur when updating firmware on CSD firmware on Under Table boxes (EX-UH, EX-4ML, EX-8ML)

4. Corrected issue where EX-ML becomes unresponsive after PSet recall via command to paired EX processor

5. Corrected issue where Output signal indicators of the PSX occasionally light up when there is no signal

8. Fixed issue where PSX Alarm of Short Circuit is not reflected in Fault indicators on the CSD

9. Fixed issue where Selection of the dropdown of the MSA12X Auto-Standby may keep changing

10. Fixed issue where MAC address of the Dante card is erroneously displayed in MAC Address field of Hardware Manager

11. Fixed issues with PowerMatch –

    a Add To Timer" option erroneously appears in the context menu of the SP blocks other than Input/Output

    b   Add To ParameterSet" option and "Add To Group" option don't appear in the context menu of the SP blocks

12. Fixed issue where IP addresses displayed on "Set Master DSP" dialog may differ from those of the actual devices

13. Fixed issues with MSA12X

    a When using 3rd party commands, with multiple connections MSA12X could send responses out-of-order or to the wrong connection

    b When using 3rd party commands MSA12X could send back random responses.

14. Fixed issue where Some changes of the PSX Array EQ by SoIP commands are not reflected in the CSD appropriately

15. Fixed issue where Matrix may be registered in a Parameter Set with an incorrect number of ports

16. Fixed issue where Wire style changes are not reflected in the Logic View

17. Fixed issue where Some wires inside a logic block disappear

18. Fixed issue, where Backup Strategy block of the PSX cannot be registered to Group

19. Fixed issue where Standby settings of amplifiers in a Parameter Set are not deleted by deleting the device

20. Fixed issue of redrawing device names in project view

22. Fixed issue of Recall button remains orange after deleting the contents of Parameter Set

Frequently Asked Questions

- **Where can I learn more about ControlSpace Accelerator and ControlSpace Cloud?**

  https://www.boseprofessional.com/solutions/controlspace-ecosystem

- **Do I need to update the firmware to use ControlSpace Accelerator?**

  No.

- **Does ControlSpace Accelerator replace ControlSpace Designer?**

  No, ControlSpace Accelerator removes repetitive tasks related to open-architecture programming and speeds up your workflow, enabling you to focus on other ControlSpace Designer configurations such as ParameterSets, Timers, Logic, and control.

- **Is ControlSpace Accelerator only online?**

  No, there is a downloadable version available for full offline design.

- **Does ControlSpace Accelerator support multiple DSP designs?**

  Not in the application itself, but additional DSP hardware can be added in ControlSpace Designer.

- **Does ControlSpace Accelerator work with ControlSpace EX-440C?**

  No

- **How do I enable ControlSpace Cloud in ControlSpace Designer 5.14 software?**

  Right-click on the device labeled "RTC". There you will see the option, "ControlSpace Cloud". Click it and use one of the three methods to claim a device.

  For more information, please refer to the ControlSpace Designer 5.14 help file or the ControlSpace Cloud training video available at the ecosystem link listed above.

- **How do I get a ControlSpace Cloud account?**

  Register for an account at https://www.cloud.boseprofessional.com

- **Do I need to update the firmware to use ControlSpace Cloud?**

  Yes, please update device firmware with ControlSpace Designer v5.14.

- **Is the data sent to ControlSpace Cloud encrypted end-to-end?**

  Yes, the data is standard HTTPS (TLS 1.2 or 1.3)

ControlSpace Remote

This release is compatible with ControlSpace Remote 3.0.8

Third-party Control available for download at **BoseProfessional.com**

Documents

1. [Serial Control Protocol 5.13](#) a communication mechanism for Bose Professional ControlSpace products to interface with third-party control systems.

   Note: MSA12X commands added: New Updated 5.13 Serial control protocol document allows control of MSA12X

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 plugins
   PSX Amplifiers: [PSX_Amplifiers_Q-SYS_v1.03](#)

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	4.006	v3.0.1
EX-12AEC/440C/1280/1280C	3.006	(BK2) v3.0.3, (BK3) v4.0.0
PM4250N/4500N/8250N/8500N	4.012	(BK2) v3.0.1 (BK3) v4.0.0
PSX1204D/2404D/4804D	1.12.0.102	v2.1.5
PS404D/604D	1.721	v3.000
EX-4ML	2.020	v3.000
EX-8ML	2.020	(BK2) v3.0.0, (BK3) v4.0.0
EX-UH	2.020	v3.0.0

CC-64	1.120	-
CC-1D/2D/3D	0.914	-
MSA12X	1.060	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. They contain different values than PowerMatch or PowerShareD amplifiers.

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.

Classified as Public