

New Features

1. **Serial Get/Set IP Address command.** The IP address of an ESP can now be set or read from the serial port using the command “IP”. See Serial Protocol v2.6 for details.
2. **Serial commands for AMM and Surround Card** – Serial control and monitoring of the AMM and surround card, including the current decoding formats have been added. See Serial Protocol v2.6 for details.
3. **Mixer algorithms optimized.** All mixers now use fewer DSP resources. Improvements range up to 15% for some modules.
4. **Serial Port Baud Rate 57600.** The ESP now supports 57,600 baud.

Changes and Bug fixes since v2.042

1. A network issue that caused timeout errors while uploading, e.g. “XML FileSendReq”, “SendNetList”, and “EXTRACT”, has been fixed.
2. An upload failure when using 3 or more ESPs and timers, has been resolved.
3. An issue where a certain configuration of mixers could cause audio to be routed to a different audio path, has been fixed.
4. An issue where the value in the blue display area of the CC-16 smart simulator did not match the project tree (white area), has been fixed.
5. An issue where the CC-16 on one ESP is controlling a selector module in another ESP, has been resolved.
6. Project directory now displays level and mute in input modules correctly after downloading running.
7. An issue where the CC-64 properties labels did not match what was displayed on the Smart Simulator when the CC-64 is stored in a parameter set, has been fixed.
8. An issue where the CC-64 max level property was not working properly, has been fixed.
9. Selectors not displaying the first entry of a selector stored in the CC-64 controls, has been fixed.
10. A problem where ControlSpace® Designer™ became slow and unresponsive when surround audio is playing, has been resolved.

Known Issues:

1. Some files created in 1.001 and 1.101 may not import properly or cause an error when uploaded. Most of these issues pertain to “illegal” characters (&’, /’, <LF>’, ‘;’, >’, <’) that were used in module or parameter set names. Versions 1.2 and greater, support these characters, but may have trouble importing a pre-1.2 version file that includes these characters. To import these files, you open in the original version, remove any special characters, save, and then open in 2.0
2. A maximum of two AMM blocks can be used per ESP.
3. The Surround card master fader cannot be stored in a parameter set; as a result, it can become misaligned with the surround card input gains if the gains are changed in a parameter set. The workaround is to use a group of gain blocks post surround block.
4. The change network feature may not work on some Vista machines.

5. There is an issue with the CC-64 smart simulator lock function while online. In a multi-ESP system, changes to the CC-64 controls while locked will cause the CC-64 hardware changes to display, but audio will not be affected. The workaround is to unlock and lock the CC-64 using parameter sets when online.
6. Serial Port "Get Level" command has an issue with reporting the correct data. It reports 90 for all levels. It should report different numbers for each slot's level.
7. CC-64 slowdowns occur when mapping a CC-4 and CC-64 to the same gain control (or group) with multiple chassis. The CC-64 will behave erratically. This can occur even when a group is not spanning multiple chassis.
8. Using CC-64 and CC-16 with Lock Only, via the project directory, will overwrite any dynamically programmed CC-16 and CC-64 settings with blank settings. This will remove any programming in the CC-64. To avoid this, re-updating the parameter sets with the programming method of locking (and unlocking) CC-64 and CC-16, then dragging the icon into the parameter set storing the programming, will resolve this issue.
9. Selector modules from more than one ESP in a CC-64 are allowed in the smart simulator, but do not work properly in hardware. Workaround is to use parameter sets.
10. Loading a group of type "Mute" into a CC-64, does not display the group name. Workaround is to use group types. "Level + Mute" or "Level".

V2.042 (August, 2008)

V2.0 New Features:

1. **Automatic microphone mixer:** 3 new signal processing blocks for automatic microphone mixing applications.
2. **Surround decoder card:** An industry-unique surround sound card that can be added to our Engineered Sound Processor. The surround decoder card supports decoding of Dolby, DTS and PCM (CDs) digital audio streams.
3. **Copy/Paste Parameter Sets:** parameter sets can be copied and pasted to create new parameter sets with the same blocks.

V2.0 Bug Fixes

1. EQ groups that span multiple chassis' now track correctly when off-line.
2. A carriage return (CR) is no longer automatically appended to line feeds in the serial output.
3. A problem where some files experienced a timeout error during uploading, has been fixed.
4. A problem where changes to a locked CC-16 took effect after the CC-16 was unlocked, has been fixed.
5. An Out of Memory error has been fixed.
6. CC-16 muted by another device or parameter set can be unmuted by pressing volume +
7. An issue in which the CC-16 asterisk preview, updated incorrectly when using delay time in a multi-ESP configuration, has been fixed.
8. An issue where the up button of the minimum volume property of the CC-64/16 did not work properly, has been fixed.

9. Updates to the IP address in the properties window, now propagate to the ESP.
10. An issue where module names required '#' in order for the GA command to work, has been fixed.
11. The redundant Change Network settings button in the Network Setup utility, has been removed. The Set Network Address tool under tools, should now be used instead.

V1.241 (April, 2008)

v1.2 New Features:

1. **Expanded Serial Interface:** Adds full control of most signal processing modules & automatic feedback when module values change.
2. **IP address flexibility:** IP address can be changed to any value.
3. **Password protection:** Files and the ESP can be password protected.
4. **CC-16 Preview:** CC-16 supports the "*" preview mode similar to CC-64. Allows parameter sets and selector states to be scrolled through (previewed) without changing the audio.
5. **CC-16 Mute:** The CC-16 will now display Mute (instead of 00) when muted. The CC-16 will also enter the mute state if the volume down button is pressed while at level "01". Muting from the CC-16 causes the mapped device to go to $-\infty$.
Note: this may affect systems that use a non-default minimum level on the CC-16. For more details, please go to section "CC-16 Mute".
6. **Daylight Savings Time:** The system will automatically apply daylight savings time to your timers if "Automatically adjust clock for daylight saving changes" is selected on your PC's Date and Time Properties.

v1.2 Bug Fixes

1. CC-16 and CC-64 synchronize to current level. When a CC-16 or CC-64's link is changed by invoking a parameter set, the settings of the object are no longer changed.
2. EDR card was not supported in V1.101, this has been fixed.
3. CC-16 default minimum setting is changed from -37 to -60 and the default maximum setting is changed from 0 to +12. This makes the CC-16 default settings the same as the CC-64.
4. Upload errors caused by characters such as '&', '/', '<LF>', ',', '>' and '<', have been fixed.
5. An issue where the DSP Resources button caused an error message if a parameter set's label ended with double quotation mark, has been fixed.
6. Some previous version files failed to open if a floating point value had been entered in a crossover. This has been fixed.
7. An issue when all modules in the ESP view were selected, copied, and then pasted into another ESP view caused an exception, has been fixed.
8. Preset and parameter set names can now accept ',' (comma).
9. Control of groups of input or output modules that span multiple ESPs, has been fixed.

10. The CC-64 could not display labels with "&&". This has been fixed.
11. The output connector of an output module can no longer be connected to other modules.
12. An issue where the CC-64 Simulator did not update, displayed gain values after dynamic reprogramming, has now been fixed.
13. Various upload issues have been fixed:
 - 13.1. Configurations with groups in parameter sets that spanned multiple ESPs.
 - 13.2. Configurations with groups in parameter sets with Input/Output modules.
14. An issue where "Bypass all" for a grouped PEQ did not synchronize to the other PEQs in the group, has been fixed.
15. PEQ settings from v1.001 will now import properly.
16. Fixed a bug caused by creating a group of meters.
17. Version 1.1 prohibited the CC-16 & CC-64 Lock parameter from being added to a parameter set. This has been fixed.
18. The labels of each ESP in the "Select ESP to Download" dialog box have been corrected to all be unique.
19. Editing PEQ snapshots labels has been fixed.
20. The GPI test button state was incorrect in simulator. This has been fixed: the OFF state now opens the output.
21. Group master fader now has $-\infty$ level and will match the level of input/output modules.
22. The 4x4 Mic/Line Series II card and the original 4x4 Mic/Line card now appear as the same card in ControlSpace® Designer™.
23. Parameter sets spanning multiple chassis invoked from serial port, only affected the main ("RTC") ESP. This has been fixed.
24. Changing the CC-64 minimum or maximum volume levels causing inconsistent behavior, has been fixed.
25. Matrix mixer display which sometimes did not match the hardware state, has been fixed.
26. A Mute level ($-\infty$) has been added to the CC-16. Pressing "-" a when the CC-16 is at level "01", will cause the CC-16 to go to mute level.
27. An issue where Designer was out of sync after uploading a design with using GPI, has been fixed.
28. Copying and pasting input & output slot parameters no longer overwrites the slot name.
29. An issue where parameter sets spanning multiple chassis invoked from the serial port was not recalling properly, has been fixed.
30. An issue with systems that have multiple chassis' where recalling parameter sets that included groups in affected settings, in another chassis, has been fixed.
31. An issue where DSP resources displayed an incorrect value (lower), has been fixed.
32. An issue where copying parameters from one PEQ to another, did not update the Q/BW setting, has been fixed.