

Q-SYS™

Release Notes

The QSC logo consists of the letters 'Q', 'S', and 'C' in a bold, sans-serif font. The 'Q' has a small square notch at its bottom-left corner. The 'S' and 'C' are also bold and sans-serif. A small trademark symbol (TM) is located at the top right of the 'C'.

Q-Sys Designer Release 4.0

May, 2014 Revision B

Release Notes

This document covers pertinent information, including Known Issues and Resolved Known Issues, for Q-Sys Designer Release 4.0, Tuesday, June 03, 2014. If you are upgrading from a Release prior to Release 4.0, be sure to read the Release Notes for the intermediate releases through 4.0. The most up-to-date Release Notes for Release 4.0 can be found on the QSC website (<http://www.qscq-sys.com/resources/q-sys-software/>).

Important

IMPORTANT: As with any upgrade, be sure to create backup files for any designs and media you have on the Core.

IMPORTANT: When upgrading your Q-Sys software there are a few mandatory steps you must take depending on your currently installed release.

- If your software release is earlier than 2.0, you must upgrade to 2.0 before going further.
- If your software release is earlier than 3.3, you must upgrade to 3.3 before upgrading to release 4.0.
- If you are upgrading to release 3.3 from release 2.3, you will get the normal message, "Hardware firmware does not match..." 3.3.xxx, press OK, the Core is updated. Then you will see another message "upgrading from 3.3.xxx to 3.3.xxx (same version). Press OK again. The Core is updated to version 3.3.xxx. After this, the peripherals are updated twice.

Installation Software Requirements

IMPORTANT: Q-Sys Designer no longer supports Windows XP.

Software Package	Q-Sys Designer
Windows 7 PRO 32-bit Windows 7 PRO 64-bit Windows 8 PRO 32-bit Windows 8 PRO 64-bit Windows 8.1 PRO 32-bit Windows 8.1 PRO 64-bit	Prerequisite
Microsoft .NET Framework 3.5	Prerequisite for Windows XP The installation program automatically installs the required files. ¹

Software Package	Q-Sys Designer
Microsoft .NET Framework 4.0 Client Profile	Prerequisite The installation program automatically installs the required files.
Microsoft .NET Framework 4.0 Extended	Prerequisite The installation program automatically installs the required files.
Microsoft Visual C++ 2010 Runtime	Prerequisite The installation program automatically installs the required files.
1. Internet access required.	

Q-Sys Designer / Design File Compatibility

Q-Sys Designer release numbering convention is a three-level system - major release.minor release.build number (2.2.100). Larger numbers indicate a newer release. If the "major.minor" release number of a design file and Q-Sys Designer software are the same, the "build" number doesn't matter. You will have to upgrade/downgrade your hardware to the same "build" number as the Q-Sys Designer software to Run the design on the Core.

You cannot open a design file with a newer "major.minor" release number than the Q-Sys Designer software. For example, you cannot open a 4.0.*nnn* design file with 3.3.*nnn* Q-Sys Designer software.

You can open a design file with an older "major.minor" release number than the Q-Sys Designer software. For example, you can open a 3.3.*nnn* design file with 4.0.*nnn* Q-Sys Designer software. If you save the file with the newer software, you cannot save it back to an older release.

IMPORTANT: Make sure your design files are backed up in your current release before starting the upgrade to a newer release.

Qualified Ethernet Switches

Occasionally, between releases of Q-Sys Designer, new switches are qualified, and some disqualified. Be sure to check the QSC Website (<http://www.qscq-sys.com/resources/qualified-switches/>) for the latest information.

QSC recommends that you disable EEE (Energy Efficient Ethernet), a.k.a. IEEE 802.3az on switches that offer this feature. Some switch manufacturers offer their own version of a power saving mode or energy optimization mode, but the concepts are generally the same as those for the IEEE standard. These mechanisms attempt to reduce the drive current or wake time for a given LAN port by detecting the strength of the link partner and/or by

detecting the length of the attached network cable and/or by detecting rest or idle periods between packet deliveries and placing the port into sleep or quiescent mode.

New Components in Q-Sys Designer

Please read the following information carefully. There are many changes and additions for Q-Sys Designer Release 4.0, some requiring your attention when you upgrade Q-Sys Designer to this release. As with any upgrade containing major changes, there may be a substantial impact to current designs. Before you upgrade be sure you understand the changes that are required for your system, and be sure you backup your design files.

Inventory Components

CXD-Q Amplifier Components

The new CXD4.5Q, CXD4.3Q, CXD4.2Q networked amplifiers have been added to the Inventory.

I/O FRAME 8s Components

The new I/O FRAME 8s has been added to the Inventory. This I/O Frame supports up to eight I/O cards.

Dante I/O Card Component

The new Dante I/O Card has been added to the Inventory under the Cores and I/O Frames. Details for the Q-Sys Dante card will be available when the hardware is.

Audio Components

I/O Monitor Component

The IO Monitor allows you to monitor the audio of any analog audio input or output from a single location in your design or UCI.

Layout Components

URL Button Component (UCI's only)

The URL Button component, when placed in a UCI, allows you to enter a URL in the properties, that will start the default browser and go to the requested URL when the button is pressed. Works on devices having Internet access.

Changed Components in Q-Sys Designer

Inventory Components

Loudspeaker Components

There are now three levels of correction applied to the loudspeakers supported by Q-Sys. The loudspeaker components are labeled with the type of correction applied.

- **Basic Correction** includes band-pass filters, limiters and gains (where applicable) specifically developed for the individual loudspeaker.
- **Standard Correction** includes all the Basic Correction features plus Infinite Impulse Response (IIR) filtering based on the on-axis response.
- **Intrinsic Correction™** includes all the Basic Correction features plus Finite Impulse Response (FIR) filtering based on the spatially average response – this to make sure the response is as good as it can get at all listening angles.

The following table shows the Properties, Controls and Control Pins that have changed for this release of Q-Sys Designer.

Speaker Group	Properties		Controls (<i>Control Pins</i>)	
	Deleted	Added	Deleted	Added
AD-C	Low Impedance Parallel Speakers	Mode		Limiter (<i>Limiter Reduction</i>) User High Pass (<i>User High Pass</i>)
AD-S	Low Impedance Parallel Speakers Has Sub	Mode	Spkr Protect (<i>Loudspeaker Protect</i>) Temperature (<i>Temperature</i>) Power Comp. (<i>Power Compression</i>)	User High Pass (<i>User High Pass</i>)
AD-S (transformer)	low impedance Parallel speakers	Mode	None	User High Pass (<i>User High Pass</i>)
AD-S52	Parallel Speakers	None	None	User High Pass

Speaker Group	Properties		Controls (<i>Control Pins</i>)	
	Deleted	Added	Deleted	Added
				<i>(User High Pass)</i>
AD-S282H	Bi-amp Parallel speakers Has Sub	Mode	None	User High Pass <i>(User High Pass)</i>
AP	Biamp Parallel Speakers Has Sub	Mode	Spkr Protect <i>(Loudspeaker Protect)</i> Temperature <i>(Temperature)</i> Power Comp. <i>(Power Compression)</i>	Limiter <i>(Limiter Reduction)</i> User High Pass <i>(User High Pass)</i>
Generic	Parallel speakers	None	None	None
Generic 70V / 100V	25V capability	None		Limiter <i>(Limiter Reduction)</i>
Line Array Subs	Parallel Speakers	None	Spkr Protect <i>(Loudspeaker Protect)</i> Temperature <i>(Temperature)</i> Power Comp. <i>(Power Compression)</i>	Limiter <i>(Limiter Reduction)</i> User Low Pass <i>(User Low Pass)</i>
Line Arrays	Total Box Count Amplifier Segments Segment Box Count Amp Mode Total Splay (0 to 90) Has Sub	Box Count Segments Mode Splay (0 to 360)	Shaded Side <i>(Low Frequency Shading)</i>	User High Pass <i>(User High Pass)</i>

Media Stream Receiver Component

The Media Stream Receiver now has a Multiplexed A/V property that limits the number of stream receives to 16 for small Cores (1000 and below) and 32 for large (1100 and up) Cores.

Audio Components

Audio Player Component

- The Audio Player now has fast forward and rewind capabilities.
- The Audio Player playlist Shuffle now uses a different random sequence when the playlist is changed.

Meter Component

The Meter Component now has a liner scale option.

AEC Component

The default setting for the AEC Tail length is now 100 ms. Use the following tables to determine Tail Length and Maximum Channel Count.

Tail Length	Core Model	AEC Channels
100ms	Core 250i	24
100ms	Core 500i	48
100ms	Core 1000	24
100ms	Core 3000	72
100ms	Core 1100	96
100ms	Core 3100	192

Tail Length	Core Model	AEC Channels
200ms	Core 250i	24
200ms	Core 500i	24
200ms	Core 1000	12
200ms	Core 3000	36

Tail Length	Core Model	AEC Channels
200ms	Core 1100	48
200ms	Core 3100	96

Tail Length	Core Model	AEC Channels
400ms	Core 250i	12
400ms	Core 500i	12
400ms	Core 1000	6
400ms	Core 3000	18
400ms	Core 1100	24
400ms	Core 3100	48

Layout Components

Meter Component

You can now set the background color for the Popup Button component.

New Features in Q-Sys Designer

User Library

The User Library allows you to configure a frequently used component from the Schematic Library, then drag and drop it into the User Library. After a component is in the User Library, it is available for use in any design you open.

Changed Features in Q-Sys Designer

Control Scripting

The Lua 5.2 Reference Manual has been added to the Control Scripting topics.

Polygon Shape

You can now set the stroke width and stroke color for a Polygon.

User Control Interface (UCI)

You can now copy and paste UCIs and UCI pages.

Changed Features in Q-Sys Administrator

Command Scheduler

Use the new Adhoc command to create a command while you are creating the scheduled event.

Page Stations

In the Page Stations Settings, you can now select any Command Button in the "revert to" field . Previously, you could only select Command Button A or "no command".

BETA Version Features

There are a number of features in Q-Sys Designer currently in a BETA version. These features are marked as such in the Q-Sys Designer user interface, and in the associated help topics. A feature labeled as BETA indicates that the feature is not as polished as we would like it to be. It is functional, but there might be caveats and rough edges associated with it. In addition, a BETA feature is more likely to change in the future.

Currently in BETA

- Channel Group
- SMPTE LTC Generator
- SMPTE LTC Reader
- Timeline

Known Issues

Network

The TSC-3 is Unable to Boot from LAN-B or Aux on a Core 250i

Issue: The TSC-3 must be connected to the LAN A network - connecting it to the LAN B or AUX networks is not currently supported.

Core Redundancy

Issue: A CobraNet card in a Core which is in standby is not automatically suppressed from transmitting and receiving. This might affect your ability to use a redundant pair of Cores populated with CobraNet cards.

Support



Q-Sys™ Networked Audio Systems

QSC Audio Products

Technical Services

1675 MacArthur Blvd.

Costa Mesa, CA 92626 U.S.

Tel: 800-772-2834 (U.S. only)

Tel: +1 (714) 957-7150

FAX: +1 (714) 754-6173

QSC Offers 24/7 Support on Q-Sys Networked Audio Systems Only

Full Support

Business Hours: Monday - Friday 6 AM to 5 PM Pacific time

Tel. 800-772-2834 (U.S. only)

Tel. +1 (714) 957-7150

Fax. +1 (714) 754-6173

Will-call Hours: Monday - Friday 8 AM to 5 PM, Pacific time

Q-Sys Emergency-only After-Hours and Weekend Support*

Tel: +1-888-252-4836 (U.S./Canada)

Tel: +1-949-791-7722 (non-U.S.)

* After hours calls are guaranteed a 30 minute response time from a Q-Sys Support Team member for Q-Sys ONLY!

Email:

qsysupport@qsc.com

(immediate email response not guaranteed. For URGENT issues use the phone numbers above.)

Having problems with your QSC Network Audio System or Software? Would you like some live remote assistance?

(requires a high-speed Internet connection to your computer)

We use a really nifty support tool by an outfit called TeamViewer. It is very secure and simple to use. Just click the button below to download the QSC Support Portal. Choose "Run" when asked, choosing the default answers if in doubt. It will run a small applet on your computer, and provide you a unique, secure, 9-digit ID and 4-character alphanumeric password. Call us, and provide us the ID number and password – BAM! We're connected to you and helping, just as if we were sitting at your computer with you!

