Introduction

The L-Acoustics Q-SYS plug-in for P1 allows integrating L-Acoustics sound reinforcement systems in projects where highly customizable user interface or monitoring solutions are required and addressed using QSC Q-SYS platform.

Supported device types: P1

The L-Acoustics Q-SYS plug-in version 1.5.2 is compatible with Q-SYS Designer software from minimum version 8.1.0.

Release notes (June 2024)

New features

Fixed issues

QP-117	Configuration Recall buttons are unexpectedly disabled

History of public releases

- February 2024 - version 1.5.1
  - Support firmware 2.13
- November 2022 - version 1.5.0
  - Set IP address at runtime instead of through design-time property
  - New DSP Bus delay controls
- August 2022 - version 1.4.0
  - Support of firmware 2.12
- October 2021 - version 1.3.0
  - IP Control Failover between primary and secondary
  - CRF clock input monitoring with GPO
  - Output pin with device serial number
- July 2021 - version 1.2.1
  - Change Media Player folder and file index. Auto Play.
- October 2020 - version 1.2.0
  - Support of firmware 2.11
  - New page for Matrix Mixer control
  - Display custom input/bus/output labels
  - New generator sweep repeat button
- April 2020 - version 1.1.0
  - Support of firmware 2.10
  - Support of additional DSP Bus 5 to 8
  - Allow AVB input stream channels mapping
  - Allow AVB output stream channels mapping
  - Explore the Media Player's list of tracks in current folder
  - New control to turn on/off the TCP connection
  - New property to enable/disable system logging
- June 2019 - version 1.0.2
  - Allow storing configuration when no name is provided. Use existing one or generate new
  - Now supporting firmware 2.9.10 and later
- April 2019 - version 1.0.1
  - Configuration number shows an star sign when modified since last configuration load
  - New possibility to save configurations remotely from plug-in to P1 memory

- New control displaying current firmware version number
- October 2018 - version 1.0.0
    - First release

Compatibility

Device Compatibility

L-Acoustics Q-SYS plug-in Version	P1 Firmware versions	Drive System Release	Q-SYS Designer minimum version
1.5.2, 1.5.1	From: 2.9.2.3 To: 2.13.x	From: Aug. 2018	8.1.0
1.5.0, 1.4.0	From: 2.9.2.3 To: 2.12.x	From: Aug. 2018 To: Sept. 2023	8.1.0
1.3.0, 1.2.1, 1.2.0	2.9.2.3 To: 2.11.x	From: Aug. 2018 To: May 2022	8.0.0
1.1.0	From: 2.9.2.3 To: 2.10.x	From: Aug. 2018 To: July 2020	7.1.0
1.0.2, 1.0.1, 1.0.0	From: 2.9.2.3 To: 2.9.x	From: Aug. 2018 To: Dec. 2019	7.1.0

Features compatibility

Feature	Compatible Devices	Minimum Firmware version	Minimum Drive System Release	L-Acoustics Q-SYS plug-in minimum version
DSP Bus delay	P1	2.9.2.3	Aug. 2018	1.5.0
IP Control Failover	P1	2.10.1.1	April 2020	1.3.0
Media Player folder change	P1	2.11.5.8	July 2021	1.2.1
Matrix Mixer	P1	2.9.2.3	Aug. 2018	1.2.0
Additional DSP Bus 5 to 8	P1	2.10.1.1	April 2020	1.1.0
AVB Network Redundancy	P1	2.10.1.1	April 2020	1.1.0

Installing the L-Acoustics Q-SYS plug-in for P1

The L-Acoustics Q-SYS plug-in for P1 is available in the Q-SYS Asset Manager as 'L-Acoustics Networked Audio Processor'.
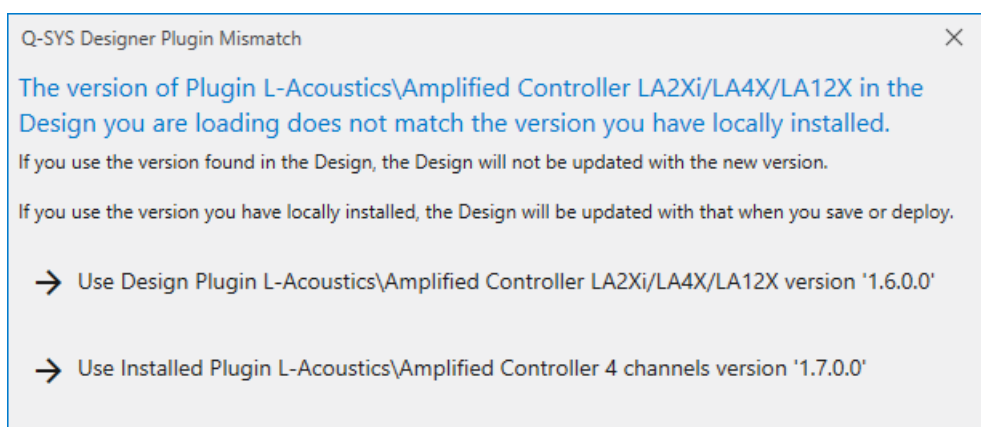
Use the Q-SYS Asset Manager **Version**, **Install**, **Update** and **Remove** functions to manage the plugin versions in the local Q-SYS Designer plugins library.

Updating existing designs

When opening an existing design created with another version of a plug-in, Q-SYS Designer asks which plug-in version to keep for this design.

It is possible to save the design with a past version of the plug-in even if the plug-in was deleted. The whole plug-in is included in the design when saving.

When asked, either click **Use Design Plugin** for the past version or click **Use Installed Plugin** for the latest version.

Q-SYS Designer Plugin Mismatch   ✕

The version of Plugin L-Acoustics\Amplified Controller LA2Xi/LA4X/LA12X in the Design you are loading does not match the version you have locally installed.

If you use the version found in the Design, the Design will not be updated with the new version.

If you use the version you have locally installed, the Design will be updated with that when you save or deploy.

→   Use Design Plugin L-Acoustics\Amplified Controller LA2Xi/LA4X/LA12X version '1.6.0.0'

→   Use Installed Plugin L-Acoustics\Amplified Controller 4 channels version '1.7.0.0'

Each new release is backward compatible with previous versions.

With the **Use Installed Plugin** option, the dialog pops up as many times as there are instances of the plug-in in the design. This is Q-SYS Designer expected behavior.

> ❗ When the **Q-SYS Designer Plugin Mismatch** dialog opens while connected to a hardware Q-SYS Core, and the option **Use Installed Plugin** is selected, the plug-ins are updated locally in Q-SYS Designer with the newest version, but it is required to trigger **Save to Core & Run** afterwards in order to also update the design running inside the Q-SYS Core. Failing to do so will result in an unpredictable behavior of the plug-ins.

Component description

Drag the plugin from **Schematic Elements** to the design.

Clicking the Component block in the design displays its **Properties**.
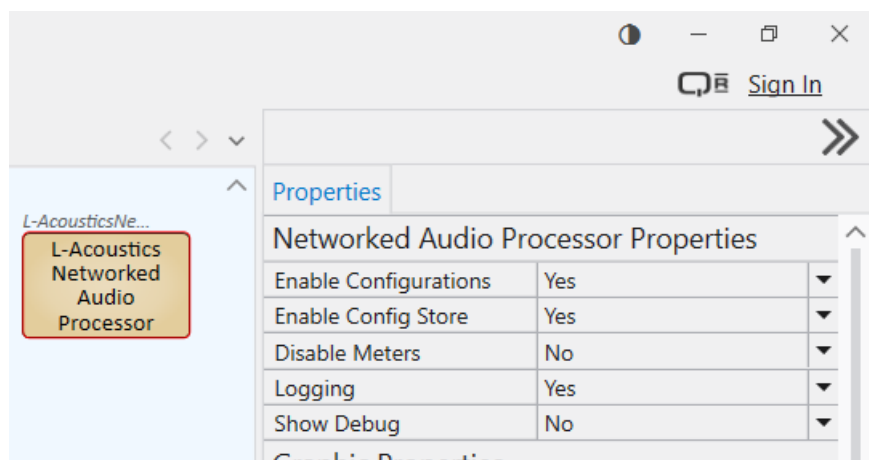
Enable Configurations	enable the possibility to recall configurations (preset and group parameters) stored inside the amplified controller. Refer to amplified controller owner's manual for more information about preset and group parameters. ⚠ Never recall configurations when LA Network Manager is connected to the device, or setting conflicts will occur. The configuration recall function is designed to substitute for LA Network Manager supervision. Therefore LA Network Manager must not be used when recalling configurations, or must be set to offline mode or disconnected.
Enable Config Store	enable the possibility to save current Processor state into a configuration slot
Disable Meters	unsubscribe from / subscribe to meters notifications from the device Disabling meters may save control processing power on the Q-SYS core.
Logging	enable or disable writing status messages to system logs.
Control Pins	expand to edit which control pins should be displayed on the component, as necessary The **Control Pins** tree is dynamically updated according to the device properties.

User Interface description

Double-click the component to open the user interface. The list of pages depends on the component's properties.

IP Connection frame

- IP: Enter the primary IP address (and secondary IP address when applicable) of the device.
- Connected: the plugin is currently connected to the device.
- Available: the device is responding on primary and/or secondary IP addresses and IP connection is possible.
- Active: the plug-in is targetting primary or secondary IP address for socket connection.
- Go Active: manually failover to primary/secondary IP address.
- Automatic Failover: the plug-in automatically fails over to the alternative IP address (if available) when active connection is lost.

Status tab

This tab gives access to the processor type, IP address (primary and secondary when applicable), status (on/reboot, connected, display lock), current configuration (if configuration controls enabled, refer to Component description (p.5)), unit environment conditions, GPIO functions, input status and fallback settings, and AVB talker details.

Inputs and Outputs tabs

Inputs

	ANALOG 1-4				AES 1-4				MIC 1-4			
Input Gain	0dB	0dB	0dB	0dB	0dB	0dB	0dB	0dB	0dB	0dB	0dB	0dB
	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute

-60.0dB -60.0dB -60.0dB -60.0dB   -60.0dB -60.0dB -60.0dB -60.0dB   -60.0dB -60.0dB -60.0dB -60.0dB

CUE CUE CUE CUE   CUE CUE CUE CUE   CUE CUE CUE CUE

Phantom Power: +48V +48V +48V +48V

High-pass filter 40Hz: HPF HPF HPF HPF

Preamp gain: +0dB +0dB +0dB +0dB

CUE — 0dB — Mute — CLEAR

-60.0dB

Source X:Y
X = input stream
Y = AVB channel

	AVB 1-8								MediaPlayer		GEN
Source	1:1	1:2	1:3	1:4	1:5	1:6	1:7	1:8			
Input Gain	0dB	0dB	0dB	0dB	0dB	0dB	0dB	0dB	-47.2dB		-24.0dB
	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute		Mute

-60.0dB -60.0dB -60.0dB -60.0dB   -60.0dB -60.0dB -60.0dB -60.0dB   -60.0dB -60.0dB   -60.0dB

CUE CUE CUE CUE   CUE CUE CUE CUE   CUE CUE   CUE

These tabs gives access to the input and output gains, mutes and meters. Additionally, microphone preamplifiers, CUE source selection, and physical output routing can be controlled.

Matrix Mixer tab

This tab gives access to the crosspoint and mixing levels of the Matrix Mixer of P1.

Media Player tab

This tab gives access to the controls of the internal Media Player: enable, and main functionalities like playback, level, repeat, and play mode.

Change Folder: type the path of a valid folder on the USB drive to change the current folder of the Media Player. It is possible to add a track index at the end of the path with a '::' separator to also select the track index in the new folder.
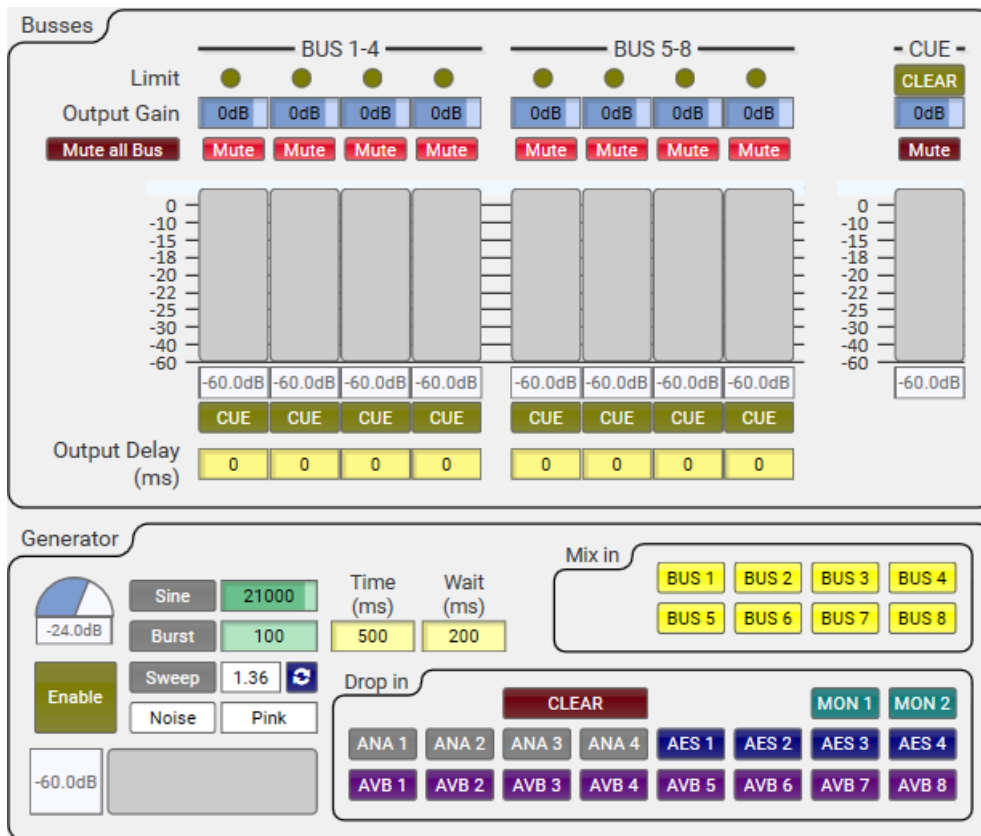
Auto Play: when enabled, the playback automatically starts after selecting a new folder and/or new track index.

Files List: click the Download Folder Content button to populate the list with each track of the current folder.
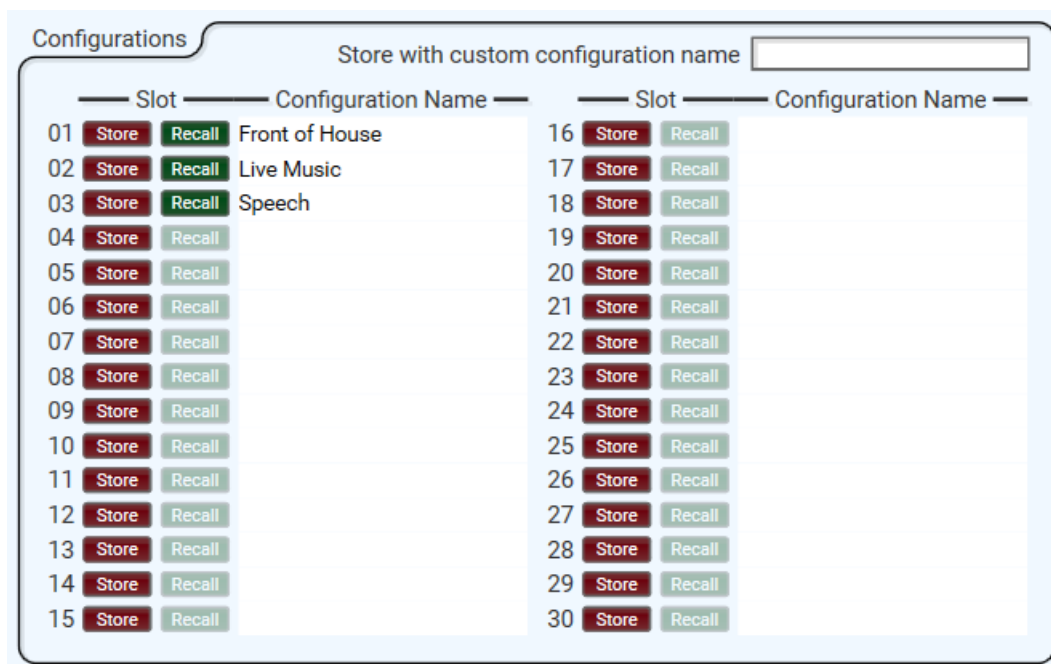
❗ The playback is stopped during the download of the list of tracks

DSP tab

This tab gives access to DSP gain, mute and levels, as well as signal generator parameters and mixing cross-points to busses and routing to physical outputs.

Configurations tab

This tab gives access to the list of configurations available in the unit. When the appropriate properties are enabled, the **Store** and **Recall** buttons are used to respectively save to or load from a configuration slot. Use the top text box to type a name for the target configuration before storing.

! Never recall configurations when LA Network Manager is connected to the device, or setting conflicts will occur. The configuration recall function is designed to substitute for LA Network Manager supervision. Therefore LA Network Manager must not be used when recalling configurations, or must be set to offline mode or disconnected.

Copyrights

QSC® and Q-SYS™ are trademarks or registered trademarks of QSC, LLC in the U.S. Patent and Trademark Office and other countries.

All third-party trademarks, registered trademarks, product or service names, logos or slogans are the property of their respective owners.