

L-Acoustics AV Control Systems

FEATURE OVERVIEW

March 2023



INTRODUCTION

L-Acoustics sound systems integrate seamlessly with AV control solutions in both Pro Audio and Architectural (residential, hospitality, etc.) applications, leveraging the Ethernet connectivity of L-Acoustics electronics products as amplified controllers and audio processors.

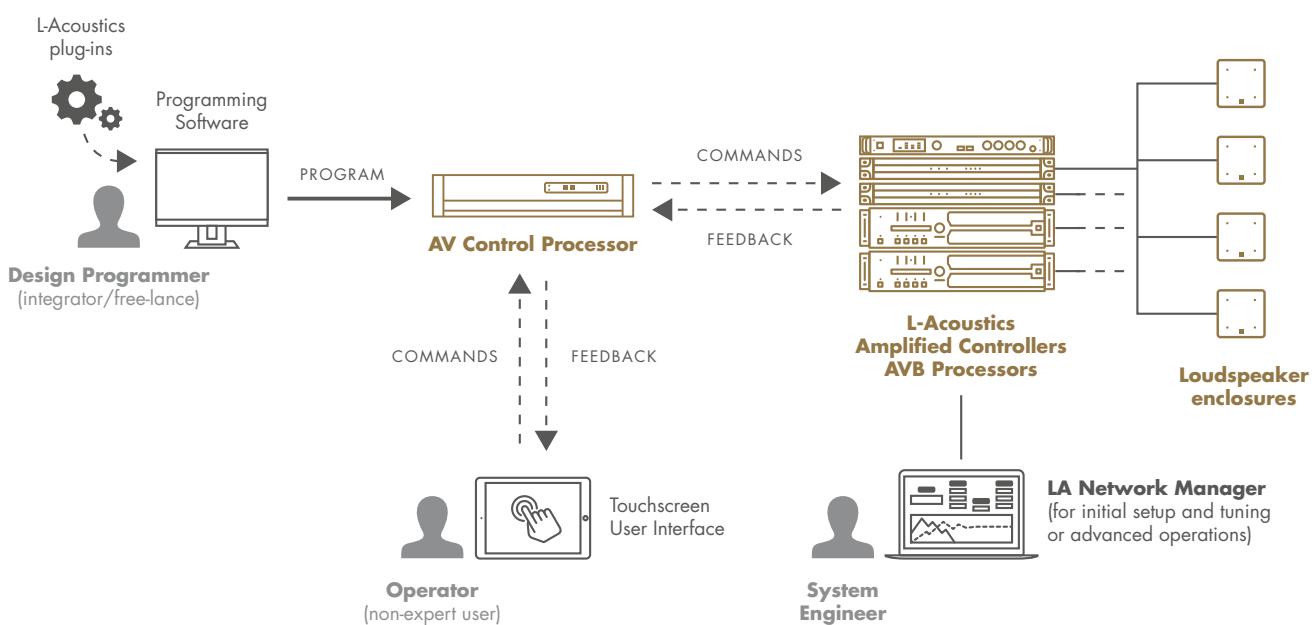
Typical venues and projects taking advantage of AV Control Systems:

- Sports venues
- Home Entertainment installations
- Cruise ships
- Performing Art Centers
- Theme Parks
- Hospitality
- Live & Night Clubs
- Houses of Worship

L-Acoustics partners with the major control system providers to elevate the experience of the end users, with the following example application:

- controlling the sound system using touch screen interfaces
- integrating with home automation for a smooth AV experience
- automating the control of the loudspeaker system with pre-defined scenarios, system events or schedulers, and other AV components
- monitoring the health of the system and reporting faults
- managing sound system presets
- fulfilling Voice Alarm requirements for continuous monitoring of the venue
- other applications...

For each control platform, L-Acoustics provides plug-ins or drivers to be used within the project design software offered by the control system manufacturer.



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COMPATIBLE SOLUTIONS

	Partner Processors or Controllers	L-Acoustics Products	L-Acoustics Creations Systems
	vCore Core Nano Core 8 Flex Core 110f Core 510i Core 610 Core 5200	LA2Xi LA4X LA12X LA7.16i LA4 LA8 L-ISA Processor L-ISA Processor II P1	Fiji 2.1/5.1 Hawaii 2.1/5.1 Tahiti 2.1 Tonga 2.1/7.1 Ibiza Sky Bespoke
	3-Series Controllers 4-Series Controllers	LA2Xi LA4X LA12X LA7.16i LA4 LA8 L-ISA Processor L-ISA Processor II P1	Fiji 2.1/5.1 Hawaii 2.1/5.1 Tahiti 2.1 Tonga 2.1/7.1 Ibiza Sky Bespoke
	Core X Controllers EA-X Controllers CA-X Controllers	LA2Xi LA4X LA12X	Fiji 2.1 Hawaii 2.1 Tahiti 2.1 Sky *Bespoke
	Smart Hosts Pro Hosts	LA2Xi LA4X LA12X	Fiji 2.1 Hawaii 2.1 Tahiti 2.1 Sky *Bespoke

* Consult with L-Acoustics to learn if a bespoke system can be controlled with Control4 or Savant



DOWNLOADING PLUGINS AND DRIVERS

Q-SYS

The L-Acoustics plug-ins are available directly from the Asset Manager in Q-SYS Designer Software.

Links: [L-Acoustics Q-SYS alliance page](#)

[L-Acoustics Q-SYS plug-ins documentation](#)

CRESTRON

The L-Acoustics modules for Crestron can be downloaded from the Crestron Application Market

Link: [L-Acoustics on Crestron Market](#)

CONTROL4

The L-Acoustics driver package for Control4 is available in the Documentation Center of the L-Acoustics website, in the downloads section of the compatible electronics products ([LA2Xi](#), [LA4X](#), [LA12X](#))

Link: [L-Acoustics Documentation Center \(LA2Xi page\)](#)

[Direct download](#)

SAVANT

The L-Acoustics driver package for Savant Systems is available in the Documentation Center of the L-Acoustics website, in the download section of the compatible electronics products ([LA2Xi](#), [LA4X](#), [LA12X](#))

Links: [L-Acoustics Documentation Center \(LA2Xi page\)](#)

[Direct download](#)

OTHER CONTROL SOLUTIONS

L-ISA PROCESSOR REST API

The documentation of the REST API for the L-ISA Processor and L-ISA Processor II is available in the Documentation Center of the L-Acoustics website, in the downloads section of L-ISA Processor II.

Links: [L-Acoustics Documentation Center \(L-ISA Processor II page\)](#)

[Direct Link](#)

SNMP

To apply to receive the documentation and instructions on how to use the L-Acoustics SNMP Agent or UDP/IP protocol, contact L-Acoustics at:

Link: avcontrol@l-acoustics.com

CONTACT

For any additional information or assistance with third-party control and integration with L-Acoustics products please use the following email address.

Link: avcontrol@l-acoustics.com

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APPENDIX A: AMPLIFIED CONTROLLERS FEATURES COMPATIBILITY

		Q-SYS	Crestron	Control4	Savant	SNMP
Power management & monitoring	Power/Standby	✓	✓	✓	✓	✓
	Panel lock	✓	✓			
	LCD/LED brightness			✓		
	Reboot	✓				✓
	Temperature	✓	✓			✓
	Fuse Protect	✓	✓			✓
Presets/ configurations management	User preset loading	✓	✓			✓
	Configuration recall	✓	✓			
	Configuration store	✓	✓			
Input management	Source selection (Milan-AVB, AES/EBU, Analog)	✓	✓	✓		✓
	Digital input status	✓	✓			✓
	Fallback control	✓	✓			✓
	Input level meters	✓	✓			✓
Output management	Gain	✓	✓	✓	✓	✓
	Mute	✓	✓	✓	✓	✓
	Delay					✓
	Output level meters	✓	✓			✓
	Limit / Clip / Protect	✓	✓			✓
	Routing	✓	✓	✓	✓	✓
PA/VA system monitoring	Status monitoring	✓	✓			✓
	Pilot tone	✓	✓			✓
	AES/EBU input status	✓	✓			✓
	Milan-AVB input status	✓	✓			✓
	Speaker monitoring	✓	✓			✓

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Q-SYS PLUG-IN USER INTERFACE EXAMPLES

4-channel amplified controllers (LA2Xi/LA4X/LA12X/LA4/LA8)

16-channel amplified controllers (LA7.16i)

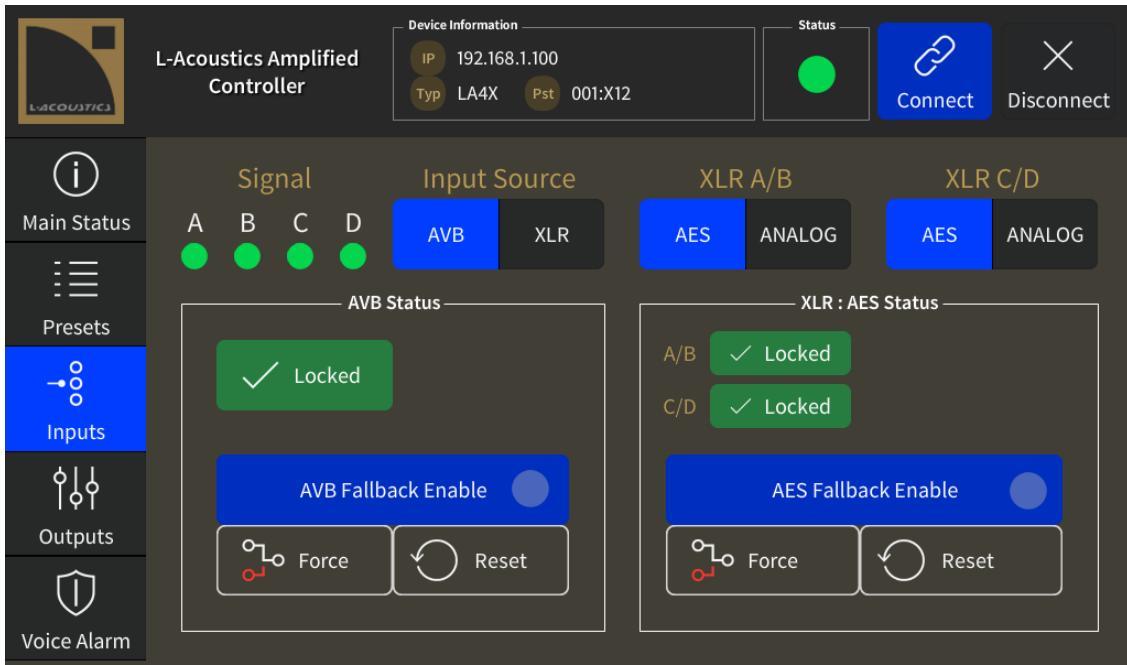
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CRESTRON MODULE PROGRAM EXAMPLES: AMPLIFIED CONTROLLERS

4-channel amplified controllers (LA2Xi/LA4X/LA12X/LA4/LA8)



L-ACOUSTICS AV CONTROL SYSTEMS

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APPENDIX B: AUDIO PROCESSORS FEATURES COMPATIBILITY

		Q-SYS	Crestron	SNMP
Power management & monitoring	Panel lock	✓	✓	
	Reboot	✓		
	Temperature & Humidity	✓	✓	✓
Presets management	Configuration recall	✓	✓	✓
	Configuration store	✓	✓	
Input management	Digital input status	✓	✓	✓
	Fallback control	✓	✓	✓
	Gain	✓	✓	✓
	Mute	✓	✓	✓
	Input level meters	✓	✓	✓
	Mic preamp gain	✓	✓	
	Mic preamp +48V & HPF	✓		
DSP management	DSP Bus gain	✓	✓	✓
	DSP Bus delay	✓		✓
	DSP Bus limit	✓		✓
	Matrix mixer	✓		
	CUE selection	✓		
Output management	Gain	✓	✓	✓
	Mute	✓	✓	✓
	Output level meters	✓	✓	✓
	Routing	✓	✓	
Tools	Signal generator	✓	✓ (Sine only)	
	Media Player control	✓	✓	
	USB sensor	✓		
	GPIO control	✓	✓	
	GPIO functions	✓		

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Q-SYS PLUG-IN USER INTERFACE EXAMPLES: P1 PROCESSOR

L-Acoustics Networked Audio Processor 192.168.101.41

Status | Inputs | DSP | Outputs | Media Player | Configurations |

Processor Status: Plugin v1.2.0.0 P1 IP: 192.168.101.41 FW: 2.11.0.18

Disconnect OK

Display Lock: Connected Current Configuration: 00: DEFAULT

Reboot

Condition: Temperature 40 °C 104 °F OK (Green)

Fan Error Humidity 22 % (OK)

USB: USB 1 Connected Temp. 28 °C 82 °F (OK)

USB 2 Humidity 48 % (OK)

GPIO

GPI Status and Functions		GPO Status and Functions	
IN1	Load configuration slot A Slot A 1	Slot B 2	Manual state (sec)
	Load configuration slot B	Slot A 3	On 60
IN2	Load configuration slot A Slot B 4	Slot B 4	Manual state (sec)
	Load configuration slot B	Slot A 3	On 60

Signal Status

Inputs Fallback

Input	Source	Active	Reset	Test
AES 1-2	Disabled	●	Reset	Test
AES 3-4	Disabled	●	Reset	Test
AVB 1-4	Disabled	●	Reset	Test
AVB 5-8	Disabled	●	Reset	Test

Output Lock: AVB 1 ● 2 ● AES 1-2 ● AES 3-4 ● OK

Include in status: AVB 1 AVB 2 AES 1-2 AES 3-4

AVB Talker(s): Name P1 Media Clock Internal

Stream 1 AAF PCM32, 96kHz, 8 ch Include

Stream 2 AAF PCM32, 96kHz, 8 ch Include

Media Player

File Folder Back Forward Stop Repeat Index 2 / 4 Time 00:00:27 / 00:03:50 Disk BL2 Folder /XSeries/X8 File 02 - Willy Deville - Assassin of Love.flac Mute

Enable

Change Folder /XSeries/X8:::2 Auto Play

Type existing path on USB drive to change current folder. (Optional: add ':N' at end of path to also load file at index N if it exists, e.g. /path/to/folder::3)

Auto Play: starts playback right after changing folder::index

Change Folder /XSeries/X8:::2 Files List

Download Folder Content

WARNING: Downloading Folder Content stops the Media Player playback!

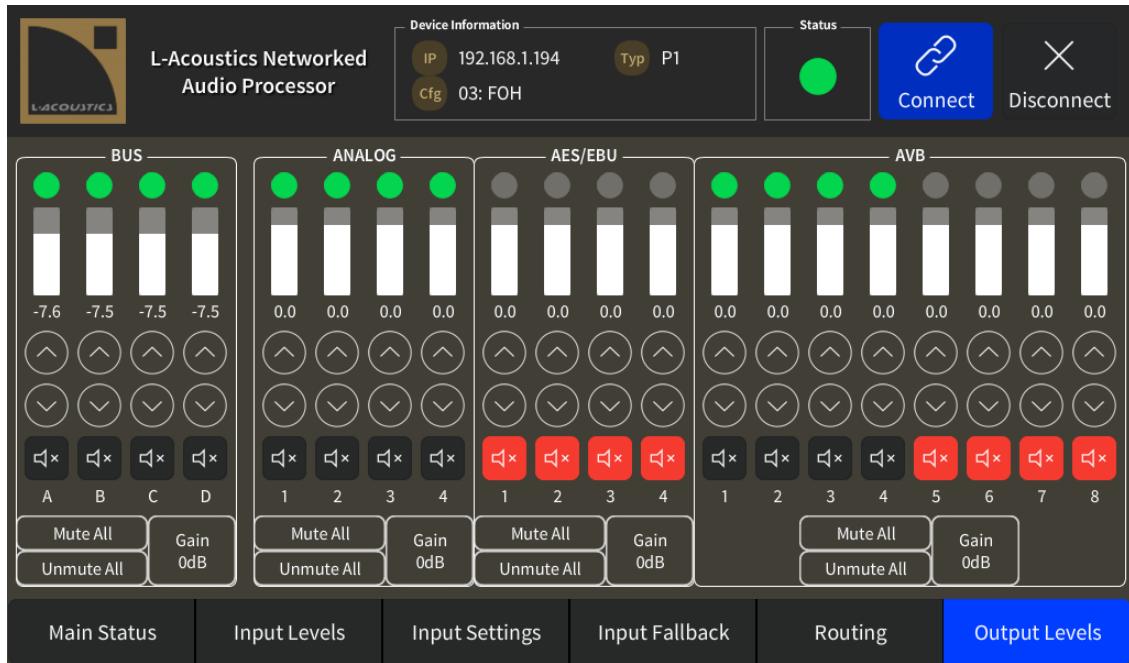
01 - Jennifer Warnes - Somewhere, Somebody.flac
02 - Willy Deville - Assassin of Love.flac
03 - Herbie Hancock - Sister Moon.flac
04 - Eric Clapton - One Chance.flac

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CRESTRON MODULE PROGRAM EXAMPLES: P1 PROCESSOR



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APPENDIX C: L-ISA PROCESSOR FEATURE COMPATIBILITY

		Q-SYS	Crestron	HTTP REST API
Monitoring	Power supplies	✓	✓	✓
	Disk health	✓	✓	✓
	File system health	✓	✓	✓
	Emergency key detection	✓	✓	✓
Levels control	Gain	✓	✓	✓
	Mute	✓	✓	✓
Power management (L-ISA Processor II only)	Power On	✓	✓	✓
	Shutdown	✓	✓	✓
Presets management	Configuration recall	✓	✓	✓
	Configuration store	Use L-ISA Controller		

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Q-SYS PLUG-IN USER INTERFACE EXAMPLES: L-ISA PROCESSORS

L-ISA Processor

Device Configurations Levels Control

L-ISA

Device

OK

IP Address: 192.168.1.199

MAC Address: c4:00:ad:71:67:48

Online: Online

Active Configuration:

Display Name: L-ISA Processor II

Unique ID: L-ISAPROC-6748

Firmware Version: 2.5.0.4689

L-ISA Controller: Not Connected

Power On Shut Down

Plugin v1.2.0.1

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CRESTRON MODULE PROGRAM EXAMPLES: L-ISA PROCESSORS

This screenshot shows the General configuration page for an L-ISA Processor II. The top navigation bar includes status indicators (Online, Locked, Errors) and tabs for General, Configurations, and Levels Control. The main area displays the following information:

- Display Name: L-ISA Processor II
- Firmware: 2.5.0.4738
- Unique ID: L-ISAPROC-6748
- Current Config: 27: Config027

At the bottom right are two buttons: Power On (green) and Shut Down (red).

This screenshot shows the Levels Control screen for the L-ISA Processor II. The top navigation bar includes status indicators (Online, Locked, Errors) and tabs for General, Configurations, and Levels Control. The main area displays five fader controls labeled Master, Reverb, Monitoring, Fader 1, and Fader 2. Each control includes a digital volume meter, level adjustment buttons (+, -, ×), and a mute button. Below each fader are two buttons: Safe Recall (Level or Mute) and a blue Level button.

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Feature Overview



NOTES:

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