Release notes

L-ISA Controller is the L-Acoustics object-based mixing and control software.

L-ISA Controller 2.1.2 is available to download from www.l-acoustics.com from December 16, 2020.

L-ISA Controller 2.1.2

This software version supersedes the September 25 and November 24, 2020 release packs, and brings minor optimizations.

No new features since L-ISA Controller 2.1.0 & 2.1.1.

License

- The L-ISA Controller now runs under a licensing system. By registering the software, the user is assigned an Activation Key to be able to use the Controller. The license needs to be refreshed via internet connection once every 3 months.
- **Free License:** only enables features necessary to prepare and edit a session offline. All features are enabled when connected to a hardware processor.
- **Hardware License:** for L-ISA Processor owners, with all features enabled.

Access license information through the Menu bar.

Source Input Delay

- **Static delay** for up to 96 sources.
  - Delay value manually set by user.
- **Dynamic delay** for up to 32 sources.
  - Delay value linked to distance parameter. Distance can be either altered manually on the Soundscape and via DeskLink or via automated control from snapshots, plugin, external OSC or tracker.
  - Mapping of delay to distance can be adjusted in Soundscape settings.
- Additional delay offset can be set for each source to adapt to geometric speaker layout changes on a day to day basis.

Refer to Sources > Processing.

Speaker groups

- Speakers are now classified within groups defining their usage:
  - Scene
  - Extension
  - Height
  - Bottom
  - Spatial Fill
  - 360
- Depending on the group set usage, the L-ISA Processor will treat output signals to each group differently.

Dedicated OSC Tab

- External OSC devices can now be configured in the Controller to be sender, receiver, or both.
- Multiple devices can receive position data from the same source.
- Device assignment to a source is now saved in the session.
- One exclusive external OSC device can now be assigned to control the L-ISA master fader level. Changes are reflected bi-directionally.

ADM-OSC or L-ISA OSC output protocol

- OSC messages can be sent using the ADM-OSC format.
- This communication protocol is interpreted identically by any ADM-OSC compatible device.
- No scaling needed for position data exchanged between compatible devices.

Refer to References > OSC API in the Help files.

Desk Link multiple assign

- L-ISA Controller DeskLink integration into SSL Live series consoles
- A multiple selection of desk channels can now be assigned to contiguous L-ISA objects in a single operation.

Refer to Sources > Desk Layout.

New Processors page

- Session summary, listing hardware I/O and processing requirements, is now displayed side by side next to detailed listing of processor capabilities and audio engine mode. Warning indicators guide the user to potential discrepancies between session requirements and processor capabilities.
- Drag and drop a processor from the overview list to a processor slot.

Processor upgrade procedure from firmware v1.9 or later to v2.1

About this task

> Always use the latest L-ISA Controller release version to perform a firmware upgrade or downgrade.
> Ensure that the Processor's and the Controller's IP addresses are configured within the same IP range and subnet mask. Otherwise the update cannot be completed.

> Performing a firmware update does not require the Controller to be connected to the Processor in the software.

The following operation is all done in L-ISA Controller:

Procedure

1. Go to https://www.l-acoustics.com, and select **Products > Software > L-ISA Controller**.
2. Download and install L-ISA Controller software.
3. On L-Acoustics website, go to **Products > Processors > L-ISA Processor**.
4. Download L-ISA Processor firmware zip file, and save it on the computer running L-ISA Controller.
5. Ensure that the processor is powered on, and physically connected to the same network of the computer running the latest version of L-ISA Controller.
6. In L-ISA Controller software, go to the **Processors** view.
7. Select in the list the processor to upgrade, and click the **Version** tab.
8. Click **Update Firmware**.
9. Browse to the locally-saved L-ISA Processor firmware update package v2.1, select it and click **Open**.
   Once the transfer is successful, a confirmation screen appears.
10. Power-cycle the processor after the update is complete.
    In L-ISA Controller **Version** tab, the processor now reports the latest firmware version.

Results

The processor is successfully upgraded to firmware version 2.1.

Processor downgrade procedure from firmware v2.1 to v2.0

About this task

Always use the latest L-ISA Controller release version to perform a firmware upgrade or downgrade.

Ensure that the Processor's and the Controller's IP addresses are configured within the same IP range and subnet mask. Otherwise the update cannot be completed.

Performing a firmware update does not require the Controller to be connected to the Processor in the software.

To downgrade to an earlier firmware version, you need to have the firmware pack archived and available on your computer.

The following operation is all done in L-ISA Controller:

Procedure

1. Ensure that the processor is powered on, and physically connected to the same network of the computer running the latest version of L-ISA Controller.
2. Go to the **Processors** View.
3. Select in the list the processor to downgrade, and click the **Version** tab.
4. Click **Update Firmware**.
5. Browse to the locally-saved earliest version of L-ISA Processor firmware package, select it and click **Open**.
   Once the transfer is successful, a confirmation screen appears.
6. Power-cycle the processor after the update is complete.
7. Close the current version of L-ISA Controller, and launch the L-ISA Controller version that is compatible with the installed firmware version.
8. Connect to the processor.
9. Go to the **Processors** view.
   In **Processors** view **> Audio Engine** tab, the processor now reports "Audio Engine Incompatible".
10. Select the processor in the list and click the **Audio** tab.
    The audio engine mode is shown as "Unknown".
11. In the **Audio Engine Mode** menu, select a valid audio engine mode.

Results

The "Audio Engine Incompatible" problem is resolved and the processor can be used with v2.0 firmware.