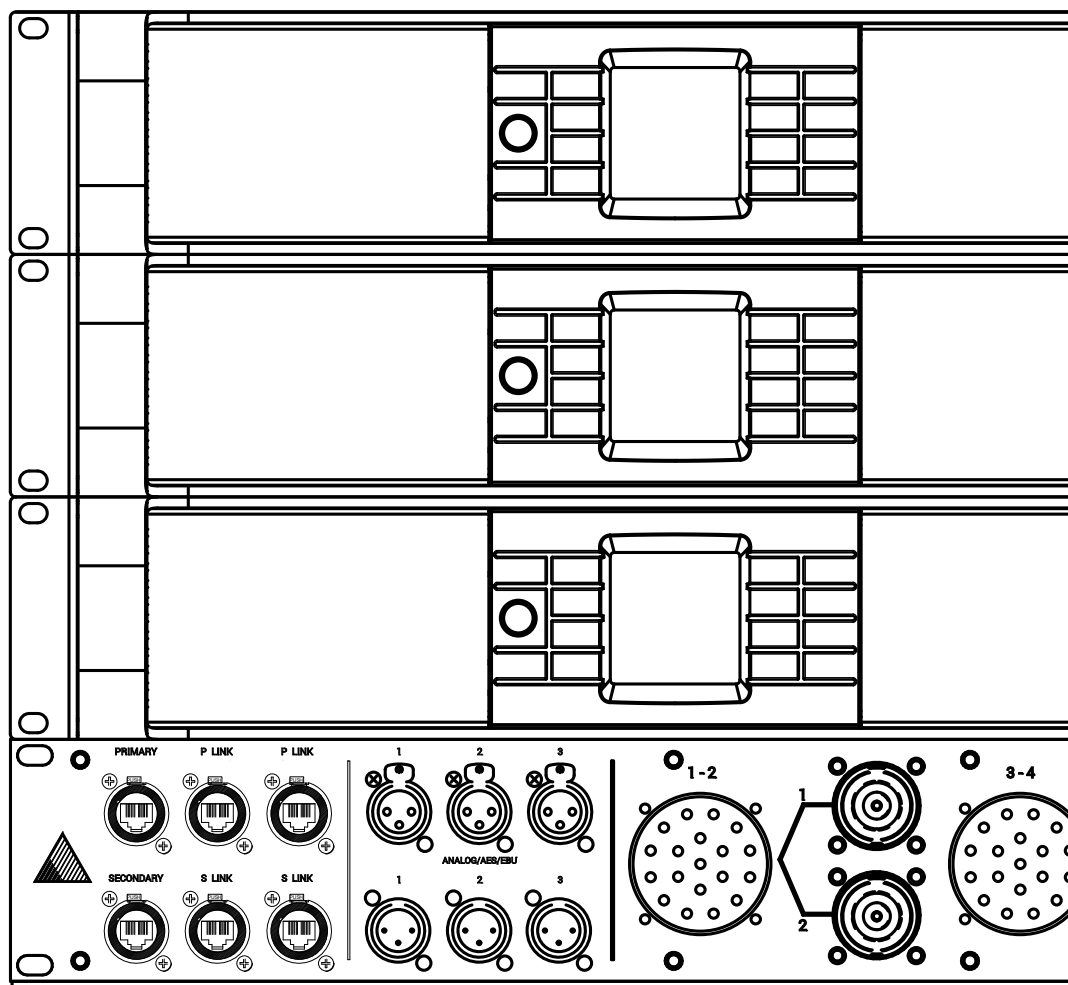


Lake Library Release Notes

V6.0

Distribution Date
November 15, 2024



Adamson Lake Library Release Notes



General Information

- Adamson Lake Library V6.0 requires **Lake Controller V8.1.2** or higher.
- Includes **module** and **frame presets** as well as **EQ overlays**.
- Information on loading presets and operating Lake Controller can be found in the **PLM & Lake Handbook**.
- Additional information about each module preset can be found in the respective associated text file.
- Each frame preset folder includes a **frame preset spreadsheet**, specifying the individual output channel assignments.
- **Frame presets** for PLM+ will load on all PLM+ and D-Series amplifiers. Please check that the amplifier is capable of driving all connected cabinets.
- Maximum cabinet counts per amplifier / per circuit are specified in the **Adamson Amplification Chart**.
- For optimal ease of use it is recommended to store the load library files according to the information provided in the **Load Library File Storage Instructions**.
- The Lake Library includes **system files** that can be used as a workaround when working offline. These files are found in the module section when using the Lake Load Library included in Lake Controller or in a dedicated folder when downloading from adamson.ai. Each system file contains one amplifier with the stated frame preset. Use "Recall As Virtual Sub-Sys" in Lake Controller to successively add the required amount of frames to your system configuration.
- If the cabinets are placed in the same distance to the listener, all standard (not CC) V5.X & V6.X presets included in this library are **time-aligned** for all E-Series, S-Series, and IS-Series line source, point source and subwoofer cabinets.
- **Classical Crossover** presets are labeled "**CC**". CC presets are using a conventional crossover for Point Source and Line Array cabinets, and Subwoofers do not include linear phase compensation. This offers lower latency compared to linear phase line array, point source and subwoofer presets. The additional delay required to compensate the offset compared to the standard preset can be found in the text files of the respective module.

Version Numbers

- Starting with V5.0 all new or modified (V5.X, V6.X) presets use the same version number as the load library they are initially released in.
- Presets keep the same version number until changes are made.
- Frame preset version numbers are independent from module preset version numbers. If, for example, the output patch is changed in the frame preset the version number increases even if this does not affect the module preset loaded to the frame.

Folder Structure

- » Large Format
 - » Line Source
 - » E15, E12, S10 (Underhang), S10n (Underhang)
 - » Subwoofers (Xo60)
 - » E219, E119, E218, IS219
- » Sub-Compact
 - » Line Source
 - » S10, S10n, IS10, IS10n
 - » Point Source
 - » S10p, IS10p
 - » Subwoofers (Xo80)
 - » E219, E119, E218, S119, IS119, S118, IS118, IS219, IS213
- » Ultra-Compact
 - » Line Source
 - » S7, IS7
 - » Point Source
 - » S7p, IS7p, IS7px, IS7c, IS5c
 - » Subwoofers (Xo100)
 - » E219, E119, E218, S119, IS119, S118, IS118, IS219, IS213
- » Classic Crossover
 - » S-Series
 - » S7p
 - » IS-Series
 - » IS7p, IS7px, IS7c, IS5c
 - » Point Series
 - » Point 15, Point 12, Point 8
 - » PC Series
 - » PC12, PC10, PC8, PC6, PC5
 - » M-Series
 - » M215, M212, M15, M12
 - » Subwoofers (All available crossovers)
 - » E219, E119, E218, S119, IS119, S118, IS118, IS219, IS213, A218, P215, P115
 - » Legacy Products
 - » 200Serie, LX, Metrix, MH, MX, Spektrix, Subs, SX, Y10, Y18
 - » Line Source FIR3
 - » E15, E12, S10, IS10, S10n, IS10n, S7, IS7 for PLM20000Q

V6.0 Release Notes

New Features:

- New linear phase XP module presets for all E, S and IS Series line arrays and point source with carefully matched linear phase response and time alignment if positioned in the same distance to the listener.
- Updated limiters for E15, E12, S10, IS10, S10n and IS10n HF providing enhanced performance.
- New linear phase presets for IS5c, IS7px and S7p Passive.
- New presets for IS7c.
- New recommendation to use all Ultra-Compact point and line source cabinets in combination with subwoofers low-passed at 100 Hz.
- Updated Xo60 preset for E119, E219 and IS219 for improved coupling to VGt, E15 and E12.
- New phase matched presets for E119 (Xo100), E219 (Xo80), IS219 (Xo60, Xo100), IS213 (Xo100).
- New folder structure in the Lake Library. All linear phase presets are now sorted by Large Format (Xo60), Sub-Compact (Xo80) and Ultra-Compact (Xo100), including the respective line and point source presets and all compatible subwoofer presets per folder. In the Classic Crossover folder line and point source presets are sorted by series with an extra folder for subwoofers including all available crossover points without any delay.
- Unified PLM+ frame preset library compatible with all PLM+ and D-Series amplifiers. Please make sure the utilized amplifier is capable of driving the connected cabinets.
- A selection of PLM20000Q frame presets V5.4 can be found in the legacy presets folder.
- Line Source V5.4 FIR3 module presets are included in the legacy folder for PLM20000Q users.
- Added dedicated EQ overlay for Lip Fill operation of Sub and Ultra-Compact line source.
- Added S10n and IS10n Lip Fill Module and Frame Preset

Preset Changes:

- Phase matching adjustments for E119, IS219 (Xo80; -1ms), S118, IS118 & IS213 (Xo100; +1ms), IS213 (Xo80; +0.5 ms).
- Removed delay (1ms) from CC presets for E219 and E119.
- All E219, E119, E218, S119, S118, IS119, IS118, IS219, IS213 CC module presets match linear phase presets in level and phase, but have no delay included.
- Corrected timing of S118 FB. Linear phase latency (5ms) previously on the input, now moved to the output.
- S7 Frame preset output routing is changed: Module A is routed to Amp Channel 1+2 and Module B is routed to Amp Channel 3+4
- S7p S118 Frame Preset now uses S118 Xo100 subwoofer preset.

Previous Versions

V5.4

New Features:

- Preset for IS5c. (CC IS5c V5.4) Crossover frequency is 100 Hz and the internal conventional crossover (CC) is utilized.
- Presets for IS213. Omni directional and cardioid presets are available with and without linear phase compensation, with crossover frequencies at 80 Hz and 100 Hz.
- Additional presets for IS118 and IS119 with crossover frequencies of 100 Hz to pair with IS5c.

Preset Changes:

- Fixed system files for E219 in the subs folder containing wrong preset data.
- Fixed module file IS118 FB V5.0, delay to compensate linear phase was missing.

V5.3

New Features:

- New naming convention for S-Series and IS-Series point source presets. "LP" extension was removed from linear phase presets. Presets utilizing a conventional crossover are now marked with "CC" instead. CC presets offer 5 ms lower latency compared to linear phase line array, point source and subwoofer presets.
- Added subwoofer presets time aligned to CC presets (5 ms less latency compared to default presets). CC subwoofer presets can be found in the respective Subs folder.

Preset Changes:

- Updated naming for S10p, S7p, IS10p, IS7p and IS7px. (V5.3).
- Added CC presets for E119 Xo60 (V5.3), E119 Xo80 (V5.3), E119 Xo100 (V1.2) E218 Xo60 (V5.3), E218 Xo80 (V2.2), E218 Xo100 (V2.2), E219 Xo60 (V5.3), E219 Xo80 (V2.2), E219 Xo100 (V2.2), IS219 Xo60 (V5.3), IS118 Xo80 (V5.3), IS119 Xo80 (V5.3), S118 Xo80 (V5.3), S119 Xo80 (V5.3).
- Updated naming to CC for IS118 Xo100 (V1.4), S119 Xo60 (V1.2), S119 Xo100 (V1.2).

5.2

New Features:

- Presets for S10p / IS10p / S7p / IS7p 100° x 50° (V5.2).
- Cardioid and 3-out presets for IS219 (V5.2).
- 1-out preset for P115A (V1.0).
- Combined frame preset for S119 and S10p Xo LP 70° x 40° (V5.2) and 100° x 50° (V5.2).
- Release Notes including version history.
- Updated Adamson Amplification Chart (V5.2) and Load Library File Storage Instruction files.
- Included the updated Adamson PLM and Lake Handbook (V5.2).

Preset Changes:

- EQ changes for S10p, IS10p, S7p, IS7p and IS7px 70° x 40° (V5.2) to match 100° x 50° presets.
- S10, S10n and S7 Array Frame Presets and System Files (V5.2) changed to use both Module A/B and C/D on PLM+ Series Amplifiers. Input and output configuration stay identical.

V5.1

- Skipped public release, internal revision only.

V5.0

New Features:

- New naming for E-, S- and IS-Series presets (V5.0). All line source, subwoofer and point source linear phase 5.X presets are phase aligned when positioned at the same distance. To align point source standard presets please add 5 ms of delay. Everything except the name stayed identical if not stated differently below.
- New preset for IS219 (V5.0).
- New presets for S7p, S10p, IS7p, IS7px and IS10p. Two versions of presets are available for all bi-amped cabinets. Standard and linear phase (LP) presets. The LP presets use a linear phase crossover including 5 ms of additional latency to match the phase response of E-, S- and IS-Series line array and subwoofer (xo80) cabinets. To align standard phase presets to linear phase presets 5 ms of additional delay needs to be applied.
- New EF40 preset for S118 and IS118 (V5.0).
- New initial data frame presets, allowing for soft reset without changing amplifier name.
- Adamson standard frame preset library for PLM12k44 and PLM20k44.
- Updated unified text files for all module presets of recent series.
- Updated Adamson Amplification Chart and Load Library File Storage Instruction files.

Preset Changes:

- Added load smart verification for S7, S118, IS118 (V5.0).
- New FIR3 presets for S10n and IS10n (V5.0).
- All PC-Series presets changed to V3.0 to match the presets of the IPD/IPX range.

V4.2

New Features:

- New file structure matching the file structure of the Lake load library.
- New presets for S10n (V3.2), IS10p (V1.0), IS7p (V1.0)

Preset Changes:

- New Xo80 presets for E119 (V1.1) including optimized crossover to S-Series line arrays.
- New presets for S10 / IS10 (V3.3) including new optimized crossovers and EQ.
- New S10 compact preset using the same limiters as all other S10 presets.
- New presets for S7 / IS7 (V1.2) using 80 Hz crossover achieving compatibility in S-Series.
- New Array Shaping overlays for S10 (V3.3) and S7 (V1.1).

V4.1

New Features:

- Added Load Library File Storage Instructions for ease of use.
- New presets for IS7 (V1.1), IS10 (V1.0), IS118 (V1.1), IS119 (V1.0).

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