Release Date: 24th November, 2025

Overview

This release focuses on performance optimisation, stability improvements, and critical bug fixes. Key updates include tune view enhancements, improvements to connection reliability, refinements to multi-select functionality, and comprehensive memory management improvements.

Enhancements and New Features

Performance and Optimisation:

- Enhanced tune view performance with improved responsiveness and visual updates
- Optimised startup time for faster application launch
- Added debug mode enhancements and device timer implementation for better troubleshooting capabilities

Device and Connection Management:

- Improved device discovery and connection initialisation for more reliable Dante network integration
- Added authentication-aware device loading for drive modules to ensure proper configuration after login
- Implemented earlier connection establishment to improve overall system responsiveness

Firmware and Module Updates:

- Added new firmware update module with enhanced update capabilities
- Improved GAN firmware update process

User Interface Improvements:

- Refined tune view module selection interface for clearer user feedback
- Fixed LED behavior in tune view to prevent unexpected shutdown on startup
- Improved dynamic value range scaling for more intuitive parameter adjustment

Functional Updates:

- Enhanced output naming functionality when saving presets
- Rebuilt database integration from NginAPI for improved data consistency

Bug Fixes

Connection and Network Reliability:

- Resolved critical reconnection issues affecting device stability

- Fixed Martin Audio device blocking to prevent incompatible connections
- Improved device discovery timing to prevent connection race conditions

Module and Device Management:

- Fixed concurrent dictionary issues when adding modules from multiple threads
- Resolved preset application failures when affecting various modules simultaneously
- Improved null value handling in parameter checking

Stability and Exception Handling:

- Resolved navigation freezing issues in the Tune Explorer
- Fixed crashes that occurred when model resolution failed
- Prevented unnecessary error flyout dialogs in standard user mode
- Improved handling of empty frequency response collections

Multi-Select Functionality:

- Fixed output removal issues in multi-select mode where outputs remained selected after deletion
- Corrected incompatible device combinations appearing together in multi-select (ASC and stamp)
- Refined multi-select interface and alignment issues
- Improved multi-select behaviour in setup view

Device Memory and Presets:

- Fixed component name inconsistencies between the SE8 library and device memory
- Improved preset loading timing to ensure proper GOF file generation
- Added GOF file download capability in multi-select mode

Code Quality and Technical Improvements:

- Removed obsolete code references (PodConst) throughout the codebase
- Fixed enum naming typo in MouseHandlingMode
- Consolidated and updated deprecated library dependencies

Memory Management and Performance:

- Fixed multiple memory leaks identified in tune explorer view
- Resolved preset memory bugs affecting configuration persistence
- Optimised asynchronous XML deserialisation for better resource management
- Improved diagnostic tools for identifying and preventing memory issues
- Fixed BlockingCollection access to properly manage underlying collection locks

Error Handling and Diagnostics:

- Enhanced exception reporting with contextualised diagnostic data
- Improved firmware update error handling and logging

- Fixed Skydas.Data exceptions and associated memory leaks
- Resolved database format exceptions when loading device setup files
- Fixed meter change exception handling
- Corrected device authentication failure reporting
- Resolved virtual device flyout exceptions
- Fixed em acoustics connection diagnostics
- Improved application exit error logging
- Enhanced device synchronisation error reporting
- Fixed thumbnail exception handling
- Improved null reference exception clarity throughout the application
- Fixed DSP bridging null reference issues
- Corrected timeout exception reporting during synchronisation
- Resolved group supervisor disposal exceptions
- Enhanced debug information collection for recurring exceptions

Other Changes

Code Structure and Maintenance:

- Refactored code to replace import attributes with importing constructors for better dependency injection
- Removed unused code references and external library dependencies
- Cleaned up obsolete network diagnostic code
- Removed unused Skydas IO interfaces and classes
- Removed StackLib and ObcomLib dependencies
- Consolidated NuGet package references
- Performed architectural refactoring of Lincon channel implementation
- Corrected extension method usage in application initialisation

User Interface Refinements:

- Fixed EQ and shelf symbol alignment in OEM EQ panel
- Corrected EQ curve shape button sizing
- Fixed visual inconsistencies across device models
- Updated component naming window interface
- Added up-down arrow icon for unsorted state in list views
- Fixed dispose method operators (+= vs -=) in UI components
- Fixed iNameScope casting errors in component display

Device and OEM Management:

- Updated Danley OEM device models
- Improved error reporting for unsupported devices with better fallback source information
- Fixed firmware update dialog button state management

Device State and Operations:

- Fixed device offline behaviour where module load dialogs remained open

- Implemented EQ toggle state persistence between application sessions

Preset and File Handling:

- Improved user input rounding for consistent value precision across SE8
- Enhanced multi-select relative gain synchronization with complete overhaul of multi-select logic
- Fixed preset loading to occur before GOF file generation

Build and Versioning:

- Updated to public build 1.0.13.0
- Updated Countly telemetry library to version 25.4.0
- Aligned build numbers with versioning scheme

This release delivers significant performance improvements, enhanced stability, and comprehensive bug fixes for a more robust and reliable platform.

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