RELEASE NOTES V1.1.2

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MISSION CONTROL V1.1.2

ISSUE	
Outputs show "Protected" when the device has loaded a blank preset	When a blank preset is loaded, all outputs were incorrectly showing the status "protected," and the FAULT LED was illuminated. This behavior was confusing to users. To improve the user experience, unconfigured outputs will now be displayed with the following indicators: Active LED off, Mute LED on, and the FAULT LED will not be lit. This change ensures clearer output status communication.
MC: Incomplete channel-view graphics after loading of 2-way speaker	In Mission Control 1.1.1 (Windows), loading a 2-way speaker channel after creating a device preset with four 1-way channels and deleting existing channels can lead to incomplete graphics in the channel-view. The output meters may not display correctly. Resizing the window temporarily fixes the issue. This update addresses the initial rendering problem to ensure accurate graphics presentation.
Peak-limiter GR not decaying with special preset	In FW SE 0.104.4.1, an issue was identified where the Peak-limiter Gain Reduction (GR) for the HF speaker maintains its maximum value after exposure to a high crest signal with high-frequency content (e.g., pink noise), without decaying as expected. This problem affected both unloaded outputs and those with an 8-ohm connection. The LF speaker way operated normally. This update corrects the decay behavior for consistent performance.
Clip detecting peak-lim TH: Slowly increase TH again to normal after reduction	A bug in SE 0.104.4.1 caused the peak-limiter threshold (TH) to remain reduced after clipping detection, only resetting upon power-cycle or preset reloading. Following discussions, the TH will now gradually increase by 0.28dB every 30 seconds back to its normal level. This ensures dynamic adjustment post-clipping, enhancing system responsiveness and sound fidelity.
Bypass for channel-delay is ignored on delay-value change	In MC 1.1.1, channel-delay bypass was improperly handled when the delay value was changed while bypass was active. Normally, bypassing the delay should prevent it from being applied. However, altering the delay value with bypass active inadvertently applied the delay to the output. This has now been fixed to ensure bypass functionality works as intended.
Don't allow the creation of a CusCon control with zero EQ bands	To prevent issues with CusCon control configurations, it is now prohibited to create a control with zero EQ bands. This update ensures that all CusCon controls have at least one EQ band, maintaining functional integrity and avoiding configuration errors that may arise from a zero-band setup.
A CusCon control with only one EQ band has a default freq. of 0Hz	In MC 1.1.1, creating a CusCon control with only one EQ band resulted in a default frequency of 0Hz, which looks odd despite DSP functioning normally when the gain or Q is adjusted with 0Hz. To ensure intuitive setup, the default frequency for single-band CusCon controls will now be within a usable range, enhancing initial setup reliability.
Channel Delay on/off button shall not affect the delay coming from a CusCon	In MC 1.1.1, the Channel Delay On/Off button was incorrectly affecting delays applied via CusCon. With this fix, the button will control only the delay set directly in the channel, ensuring delays from CusCon remain unaffected, thereby maintaining intended delay settings and improving user control over audio configurations.
Speaker preset lib: Order of items in the lists (Product line, Speaker, Preset) is mixed up	In both SE FW 0.104.4.5, the order of items in the Speaker Preset Library lists—Product line, Speaker, and Preset—was inconsistent, which caused confusion during selection. This has now been corrected to ensure lists are displayed in a logical and predictable order, enhancing navigation and selection efficiency for users.
Long startup time while the LCD is black	Found in FW 0.104.4.7, this issue involved extended boot times with a black LCD screen for about 30 seconds. The issue was linked to an unnecessary wait state during PHY initialization in the MCU, preventing timely startup. The fix involves skipping this wait state, as a second initialization follows with a watchdog safeguard, ensuring a quick and reliable startup.