CDC4 release note for V1.26

Additions

Output Soft Clipping

The CDC4 has always been equipped with a "soft clipping" feature in its DSP processing; this feature has now been exposed in the LCD screen SYSTEM page so that the user may select its operation. There are 3 settings:

Off	hard clipping occurs
1.5dB	medium clipping limits just below FSD
2.7dB	soft clipping starts to round off below FSD

IO 3216 StageBox support

This release includes full support for the "IO 3216" Stage box. Please note that this unit provides a further 32 channels, available using the layer buttons CHNS 17-32 or CHNS 33-48. The outputs 1 to 16 of the unit provides Stereo Master Left, Right, Mono: Groups 1 to 4: Auxes 1 to 8 and Monitor Left; identical to those signal available on the CDC4 rear panel sockets.

Firmware Versions

A new screen has been added to show all the firmware versions in the system. This is accessed by pressing 'Firmware' (the F3 button) in the Sys. Settings screen.

Motorised Fader Speed

Version 1.11 of the Front Panel firmware has made improvements to the speed and stability of the Motorised Faders. Please check with your distributor for details on updating the "Front Panel" firmware.

Fader Position

We have restored the Fader Position display to show dB in 0.1 steps

Bugs fixed

Stereo Input Trim

We removed TRIM from the stereo modules in the last update because it didn't work, it has now been restored and it works! In addition the TRIM encoder is used to remotely set the gain for the additional channels in the StageBox.

GT and LIM LEDs

The LEDs on the front panel, labelled GT and LIM are now correctly implemented to show the activity of the Gate (in channels) and Limiter (in outputs). These LEDs illuminates when more than 1.0dB of attenuation has been applied to the signal by the automatic process.

Please note that this requires version 1.11 of the Front Panel Firmware.

Master Fader Start Position

The CDC4 now requests the Stereo Master fader's position at power-up time. Previously, if the fader had been moved while the unit was switched off the CDC4 didn't know until you moved it and, not being a motorised fader, couldn't move it back to its last "known" position.