

Release Notes for USD Setup 5.0.1 (for Macintosh)
Release Notes for USD Setup 5.0.1 (for Windows)
Release Notes for Firmware File: USDFirmware5.0.1.USD

NOTE

- There were no functional changes between version 5.0.0b1/5.0b1 and version 5.0.1.
- Some versions of the 5.0.0b1 beta software were labeled 5.0b1, but these are functionally identical to version 5.0.0b1.

BUGS FIXED

- Corrected an intermittent race condition in the sample-accurate sync subsystem and in the resolver subsystem. This bug, when it occurred, would cause sloppy synchronization (typically off by several frames.) Users had previously learned to work around, or clear, this bug by power-cycling or momentarily reconfiguring USD -- for example, changing to a different timecode frame rate and back to the original frame rate.
- When using PAL video, the settings for the vertical position of the timecode dub window were not correct, and would sometimes cause corruption of video through USD. This has been corrected.
- Corrected a status caption-updating problem in USD Setup ("Generator Running" vs. "Regenerator Locked".)

NEW FEATURES

- It is now possible to enable and disable the output of idle-time full-MIDI timecode (the MTC that is output from the 5-pin MTC output socket whenever no timecode is running.) This new preference setting is available on the USD front panel, as setup item "IdLE 7C", with a choice of On and Off. This preference is also controllable using the USD Setup utility program via the "MTC Idle Mute" checkbox (use Balloon Help to see details.)
- Improved flash memory programming algorithm so that a wider selection of flash memory chip vendors are accommodated during manufacture.
- Improved serial driver code in the embedded firmware, which results in more robust serial data transfer.
- This version is built with an improved compiler compared to previous versions, resulting in smaller, faster microcontroller code.