

Micron HD Firmware Notes

May 17, 2010

Please note when updating firmware make sure to use the appropriate FUD file, which is stated within HyperTerminal when connecting the unit to your PC.

Updates:

- Improved detection and recovery from JPEG codec failure during recording.
- Fixed recording "disk full" error code 52.
- Time code reports "drop frame" configuration only in 30 fps standards.
- No longer unintentionally changes audio inputs when changing video format.
- Auto-detects input video standard when AUTO_DETECT is enabled.
- Auto detection configuration added to Micron menu.
- Supports single-frame record mode and time lapse recording modes.
- Improved video recovery capabilities
- Supports analog audio input option.
- Corrected field sequence in reverse 1:1 playback.
- Supports 720p/24 and 720p/23.98.
- Improved recovery from hard disk errors.
- Properly detects and handles hot-swap disk changes.
- Supports 115200 baud for embedded data protocol.
- Frame sizes reduced for all formats to match 1080i values to prevent memory overflow on 1080psf/24 and other formats.

February 25, 2010

Updates:

- Eliminated 720p half-data-rate format selection user interface.
- Enhanced disk driver recovery, which caused program to fail with the LED flashing a pattern of 4 "losing firmware".
- In standard definition formats, recovers from hang-up during recording due to internal overflow of JPEG2000 encoder when recording complex frames.
- Corrects audio glitch in playback introduced in build 109.
- Cue commands on 720p video always cue to the same field ("field 1") for a given time code.
- When recording in 720p, synchronizes pairs of frames to incoming ancillary time code, so the recorder maintains "field 1" for a given time code.
- With external reference that contains interlaced sync, 720p aligns "field 1" consistently.
- Micron "restore defaults" menu setting is specific to this product.