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Subject: SMPTE Update

Posted by [Mike Audet](#) on Fri, 01 Aug 2008 02:01:57 GMT

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That's right. Bet you never thought you'd see that.

So, here's the skinny.

This is a debug version that writes a text file to the c drive. If anyone cares about this update, I'll remove the debug code and post a new version.

To paraphrase Scotty, this thing is bypassed like a Christmas tree.

The SMPTE module is clearly defective. However, I managed to feed it the right parameters using callbacks at regular enough intervals to make it work anyway.

LTC with NO jam synch works fine.

LTC with continuous jam synch works at the driver level, but the PARIS app fucks it up. It sometimes refuses to rewind and keeps adding time to the clock, even when we've rewound the smpte source. Sometimes, it works ok. You can see that the driver is reporting the right time when you hit stop, the display goes to the right time. Hit play, and it jumps ahead to where we last stopped.

LTC with fixed jam synch seems to work ok, but I don't really trust it to reverse the transport.

LTC with one time synch seems to be the same as jam synch.

You may need to set the jam type a couple of couple of times for it to stick.

I have to keep re-feeding the jam setting to the card to keep it from locking up, and that can cause my code to reset it to what it was before you changed it. Just try again.

I understand that there is some issue with VITC and greater than 24 hour offsets. If anyone cares and has the equipment to work with me on it, I'll try to fix it.

Enjoy!

Mike

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Content-Type: application/zip; name="SMPTEUpdateDebug.zip"

Content-Transfer-Encoding: base64

Content-Disposition: attachment; filename="SMPTEUpdateDebug.zip"

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