

---

Subject: SMPTE Update

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

[View Forum Message](#) <> [Reply to Message](#)

---

This is a multi-part message in MIME format.

---=\_linux48926e95

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

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

---=\_linux48926e95

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

Content-Transfer-Encoding: base64

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

UESDBBQAAAAIAPir/zhsZo7cURwAAABEAAAJAAAAC21wdGUuZGxs7DptUFTx  
dvdJTyBAINmAQxJsP9silbsOcYLtuBgyCAQXhBPH0jYYY0VAxYKBhaejL1L  
uriCXfEUumQn7e60mXYzu02TcTqTznoydjeTysGxzcTbOnHSpBv/cNp0VIRO  
4mwcF8dO1HPu1Regp+zP7XTf+Oi9e8+5556ve+65F7ftnSVqQggPEIsRcpKw  
p558/TMBULT+n4rlibxfbzjJtf56g9PbPyoMjwwdHPEcEg54BgeHJOGxXmHE  
Pyj0DwqN7Q7h0FBPb1VhYb4xzkm0E9LKaUjg4I8tCb5XSNGGAo4vLZXQKGN9  
wnb4MZCEYAb6rWJy45N4U6HiDVWcINIm3+w1BNyABv7QQaS5RkmpDPJ/Pd/  
TuwnpCcLvkrqPSLBU/hewgRCXZfNI4B0VSM9HsIDSAA76glTavNSOuir2Jk  
xJIPmEI6gKoVdOGqfkb4NvLZT9icNRnoRnoHhsBAzyF+GCAH4JEVdLvIH5//  
04/Lu1UkBq8RfmKI7+0nhsAZbeia1wBtV6z0bdYBXxfpF18d3jd3lf0JXOUd  
LndmJuOZmMw0Gg1yl7G8LyQZy4Cj9xmQQvTIOlyR/9gEcX6mZCrsHw2NG3XV  
4VO4OByfHXdFOmKxGDJdnlpJZd5OYOxTRZ6j9NrQue59jwKnuVCjUec9D0PO  
1rdz0DC4ztaPk8hUnOza1A0YU4ON9cU7zybGJj4uLH2OXX0bZXC5OzLqGJo0  
XgN8BabO6UajlHpbNwIK6+JK94VeNF4FOvkZSg7zODoiD+qpCFNh/dSqliKQ  
MEIjdETe2Ug5bqYG0U99UggU40YLWM1AzfLZ3/WFXgczGcJX+MC58fy5YKOx  
HJQW6iB/ku936if9ecB/US/tCywa9JPv5GKrWD95Q0tIzn8FM/nrHLBdw2Re  
6AMh7ueulKPysV/FjFPPryeG0AnjdcBP3fDvzMy20qnAlouz1QPbUCuERRO3  
w6Ty75Rbcibn/VuXcwNriAMDlw/8RMYvxLrEtPgEJoGIlbDYMkavnpeD9QIM  
N86UwyuTdltoGOh93kYM7qTX3EI+C6OQRzGUAmGnCO8SEVxvzhjINiy4dZkt  
ueiNONLYaePsQMUSYck3qYKmlaqvSx20DTPNeR/xcUHTd2SXBjrKHB1B20jk  
XYFN9HHByokS1rjoyG4NVWBRPZYlvpoEE5w8AdTRu05ewFfxyfP40p0M40tz  
8hXk5H3aQddoJXC5DFxmWjEEdTafOvLwLUYrW1XV4WA7B6xFnrjOC6IJYUu  
41mkZAz18unAYg6V9GmBxcdV+0qnJRheBtxCL0QQEkoOZcKB1MwofJN6Mqyf  
3A4DZRC/+ZZ+8pv4adVMzusnBfgEk50W4ec1/GISgy/K6ZdK9HYBJ1uCU9nC  
7wib3Jll8lbALfxznNCShbAeCf8yTlibhXAr+moYqTZnoTli1W6kKs9CZUAq  
l1Jps1DdtqcbkK6BeDxDsoHwMIILRe8ZOzXOspDh17GQ0U/c5PyPgD2DzSrZ  
ygfb1RDn1fNBN6yGnGCzBi2cK1u1p69o1aer5+EIW/OSX/nq09PNWlggaoi2  
ubV0QqoQcWLkb+6gGUTOBadOndeypSpb2tGbp6AZCDcnV+1r+cmB6d3H81n0  
yopp8Wf2DPkLh8PM6Zw8cU71ipxeySQJuMRVi5QnJTxbf4TuYGLkV2tYkvzv  
XMW0nUW+sxM/xl1+4UUyDUE8GfZXZc5Yw/YMGYtmK7XyoE7FQbzyoHrFQRrl  
QZUKgzJTa5dQY3Bp6CLm2aJOLOJf9KRftjRLnz2GhuNklwrzc/CpPyeJPUod  
PPajRMPFB5+axX2dZm0geyqOsYE7P7gTPadbLiKmd+o4kMKkEb1XbBkKhrGU  
klgFHznbaDRWy7ZRnyroNN6HofaDXFopLbyjUQqKWVumoDhhXGR7bqgJ647J  
v9BgxusL5QQWOWldYFEIuWC7kPzelzZaJTxeRdfwiGgk7G+ANVAGoGDYmOD  
bBsCeTbKpmFobZJt34GWccZpFGTTiB267ou5tBi5W+KDEYWDVTjYjmmg1XhP  
nEYHNIhTlyFlrgfsRtmNKm+Sm9XQZ5TbcUiF7NZA5z2hZu3pSBn030u/MO0I  
0KqEVrDHeJ8Mr0bjN2zxCY7zSpbqym4pqGsKIUWWYbGy0MvH7VVXDIWQfqdD  
ZylHjDhZJlpoUJqnep7lJo3NuzmLx2WTCjeo22pgzAor2aYJna5Zo5+KQJ+3  
hDnmeBmdGAPpbL2KLFxl0dPCF4PkTQ3LRy9mwP1XLsPNZsD1axlOyoC7P4/h  
OjPgjsVxtRlwn8dxQgbc0Xje5DPg2goYLqJaidugY7gLGXCfx3EvZcCdKmS4  
pzPgDhUx3JEMOJue4boy4DSGeO7PgHthFcMZAecl6D91JLom6T/ZctRHJj74

0sfBAqkMWO7COqjcaoeBP1OzVR7IVjLI4xP+awZcJD7hLzPguYz3E841pmK  
VTw0pa+Ly6LytiLXj9dy+kkXMKIV6SetcWaypRk2RNjr9T/cCV3JnbGZKpKx  
AL/mPZllnvTtVcWYLHwQVwfkJQ4OEsdQAwncZV+G05yx84gZi6UO50Tauen  
rXzlrZ12aRd+kRx8NL6/PqpnC1cmCR2OTnzwFbgh+j2FciCLvKltm2dso9vZ  
bEdldPNyV3zK3BTv0xHQMUt9o4PCqwxj12P2Bt3E8NvAdTlxLAeYCeAG2AU  
4EcAxwHOAfwnQAzg7rXE8DCAA2AI4HmAMwBXAG6slobb8H55HTHMAXwGUAgN  
uXIAD8DjAJMxMjQAd4AaC9BGjugDkB/gEgirCaGlg228Ot7FKpec2Sjpcz  
z4H/bQA1zJEPcBrgkVJiOAgwC/AywGUA1Row+VWtQ+HOoifTORN2UH36dYOP  
E6HWckX+rJiuramw/2Eg0fl40cdB9+PjbgF2ooLJsFQMrtDVQbYnfqgk8I5A  
O3cSnEvYp5lwRzljg0Lg5QeGCKy2hV1qwGR3htjmWhZyQrDb7ID8LQ2Gkn2P  
Lr9v0SretzyfaU4skp500qRzGFJCBJtxzrf8OrpYupkaUlskD4pbNsFBUZXC  
QT7SGRbwYlJey83s4iZu5Y9sm7hVObZFtnCT81JezRuHkyZuVo7h7q5bJVtU  
r+KIIWzVhXJZsMtYJNdjvaCPPpHOvd7FzYxwtXeM2eAAPmPlaneONcv7VDNN  
qolbO8dq5X3qiVtrx7bK+/iJW6qxzch6tbwO2BXKecC6SCbIE8igywDFxKs5  
bM5V0TXLhS9+FTUF8wohFcaCbdrUPHO0uS9k5x19026+LzRuFNyRBwldfuCO  
1TQkCKxSd+Tur9BJJXF2s5s2EsP9AEcBrmzEeOSVQuBMJnfggbl6DFLp78Q8  
amue+ELiz5NtYs1FqSRaOPEFJ2llmxXefg1QFZTJtq7Jt6T4t9NYIO+x1fxG  
WucjQZsNSH69jwOXltswgOxi5NCXVNrUVRbIpyDedaVoucyixWKguUpgEZpP  
o2UfspW1kOEP51Mr0w5Mfj6MrBkoUC1t4AR9H/aBeEUgd1GJDSS7dJtJfIh6  
x5bt/dYoSChroNK+JyeSljJJEyLZ36Oerx6XtZOzUulO/9F2hC4qZl2pwKD  
x8AoKpXxPFsetFijFdhk2qXYvsOiNxXcQyGGmlwUkpEjCGIDl5GRiJeuLx  
Er2VihfQVMH4opJqtUy1N4qoauVMtVxmflA8GFIHtw70CLSg0bku9Tluvi9  
rLK/J5Sm7GFTdhYp+BsskXsXtUzJ5Pxs0GKnkZl7Nyid68NIVUJjEPNW5KMv  
lnlZWZ6XIOR5hslzvlAx/vCSZios6fHUsioVhyhVeZQKtzYtJrmgxTGTIEkM  
RUuakMryvack3xkmXyXKJzH5bqTLVx1Gm0DI5AAw1/WF1vRN25wQkEWBmzTL  
zrx9bzzLmp2auNov09cUDgVFctbRLvQ01cYgYqihpQM3U0og4frob/AIRC/N  
PgOsfwjwOsAFhKXrTUFf4ILQ9yrTd4cuqz8Cixq6e7xSma4Xmhz9YQxanog+  
kGhtwaGRGsitooTrQ3Yoj6syBRgTy6m1O6GqQ4BfA9gGqAD4CeVv/VVrBcq  
IRQucVGFmWuogyuZgwuYwnQXOIWfCG5UB+3guJrTY3VyK6pWP7ZdbIJD6wG5  
ia9Vj1WCEtp7gAB8mSdbVZAX809pcKRLHcRM3sQDRheNmyuxXWnvpCXAmkDY  
7SM2GXataSgclMfDVhjsxCsBA/X//yQzvXYuXV/F/UhU0reW6evOp/oal+vL  
p+lRkq3cxM38kSrc7++jN0qStub04XW1IWN3ofCVy/SFop2kaUhjVXsfrAes  
cPumxa5AuAu2fbZUudvyYKcgoePf3li2m6F+OsWSS0m/HqbfWF56+ZPST0dl  
+oasquUOFyQl1c1Vz6MilEu+3LUKqh79WEOWrN4UuKkd/5gVE4HT3T7iy5+d  
5lDi0F5enN7Dy3Zt0KYFTSrRa0ZQ473Pk2ro5tlmQH0UdPmFki5PMI2Oa79+  
f/Cy/SGflTVfuz9cVJryFTbljtSUssULdV+pbBmEF6ap3KqoDI/fZCt3c6aV  
+9b1TAVAlv5W0mgD5IAf59L/Vm53J9QW4lrxzXqYclq3EtXU/60pT8Q7pf3  
8ujr+2EdyfkQn3IAA07O90Fpq/LIQCIZLO9WA6IEHSzv4uFlbgCCUjtmPpsY  
KbyeturS1m1SHwVdNruVco2b6vJ+zt7c5D5s+ar32+/71KaspFN6c3JUt9p  
IOu70RX13QO4qX72u4z1HRR3oW0oVPrfT/8NJVwMrUXZZr1X3XgNewn63KE6  
FDL2bmiAHtZk8xHILztl81F4sb8HBI4fT+NxrcP7PFXzEr1lexfGdER+Se+9  
eDw+zy2f9JpXStBrGT0IS49HXqkcFToVDKrtPaa9Q0MnamQGLYiXo9SiJlJa  
WAcErun6KPOpwK5lwR88SegF6OpqilZiWD6raf77INoU/+rtLzzbdFTlirxl  
vc/j37yppWH9KKV7JXF3MHG9PK0rqLjzKf9r50KrMDeDMHydj0yLUmiVTwOu  
1uHV7LTTWGiju5Foj5BPEy5PLYAs+8+4kkBeJtC7arqejcvXM09Pp1DvIWK9  
V4q31M60DQVOpNG9eJrczdXmwt67h5sxQbaeGDFO3lqNrcf1vkO+E5Z2Hj0y  
5sstuDMVnMIzanRHGiN5Nz3d3vx+2i7A9qvtshaTBd3M2GE2P7QajQQbNfjG  
MD0bJfjkQY8NzmgCLlCpP1mxdX3Ner2sZJ4wMw/KIKo37/TOdtKb4GdVGO3a

1PKNnFIRInoxoAqsMq2Bp489DQTT//hTjLNjM/DL9SERhJpetNsiWz/JuHyzyFuyR0HeRSavVsVSGpbeIAO9qp7AiamhdEy6dh+HyePljzPPnpY/lq/k90J1LH1MgBwOXMPaR2gtTR+XMDlh+gjidLBFfSsURL0hzLetTAhOqse7VldLKP+W PdSwFo4aFtNDaAL//CPG3gT00nSRJb8lBdTtXSngAPqRI6eogGFpMMLDbDun 0Ef+oo5lDr0ZYrkpRHuTi0Pe8iuEQG74d7qtG2BZPLhSp4vLdfop00mig7Rp OU/BucJeBeeSemKIHKBseNyC6GFHG7jJjWloCL6ml0v8t/DXoMqFWIXBAxNU 6Oivlv7y9JfQ39tolYpF+nud/l6jv1f3L63mQV5YAjqIf32gbgfISP60Mlal H4G6Wmz6K2KIJ2FQrdpf+gKIMyEVxTSlieqqw/tAuFghp49j+p8xYW004WN 0NZP/RWqxHiMr4nz1k99mup9Yq13Alqx0gvMEj9vhV7I81WMb3ylfz2l8hIB SV8B0gRdDqN7FpteHm1O4OccrgfW+XML/ERaudRyjmmQJ44ChfsT0uUlplnIH 6nAckayhbTg28DH/J9uwZ6w4IANxoYpdTHYd/ig+nE4IPIEQK73C9lJmxErD 8HIOQ5nBw1JJ3JEO2gp1GXUu99T7Hf7VidnzqsMYRqj6LU7SBG6p/DWhQhGV nZf0oXEouiRjldvhir0Z1eIndoFUOuiKblDDGyyKskjQYDIPTThBLj6C6c+ 8ufBKcgV0eCA93EatX8jEl3/knJQVX809ZFkeJbOG5Zycb6LoUjo9ThfiLwP l8RQYNyo5fwlgTqRaIEAqYlXY6UngCgRv//vnivxsdUb6P+rNQirEv9Tlj2J /5vbVQ9EhP0XVAQLtEWAToD6rYTsBxiB77443eihYam3qmdggHS39j/W5ukf rH/wldI21OMf6G0c6T/cO9ly2C+RPz5/QE9D30EHuq3Vlx3w9o4KeHo8UNPF XDkwdBBpPADoOUpYI7g9/dLWrQ/Zez09R4U+T/9Ab88S/HKWCZIUDczS2zE4 6h8eHhqRenvahw8M9cBAnNuxx+E0t3U3WEyOFmtzt6NNdJoRQz+6m1rsbW6T 3dzd4ui2mxtMrQ0tTrvJ6qyhg81W065WMxvTjf0Osd3uxK+GbwEzStTYP+p5 bKCXitHg9Yz2wpwCHSGM9A4PHBWK/kO9wpAfw7QB0DUMCbOJrXu6nS1t5m5z p9hiNzfWCldGD/YP9vQeEeqEih7g3WZu6Haa7M1mp7mxG4Rr3QUTM7WI0DH4 +ODQ2KBwwDMw8JjnWOM4GvpxTIK0u83scJiaqb5jvcLBIUnwDAqjA/A+1Ds6 6jnYK0hejyQArmdocKcEEh8YOjjY/12QEiSg8yQIE4IIMBU9NYI/zM7MSKBP Q3ujudva7mxpamkwOVvarVRi08jBRo/keXTbt4W6OsHa0dpaRccl+rcq9Fcr 9D+0rN/anppctJsdZquT9qPjzd2t7WA4qg9rAzXtYn0p1wLWivaqGMX+hkld kofG2Jl24He3N9vNLuYP9k3fTe7GZB98Q44zdTjM0EXf0J8YhAMSxEgotpr2 YAPfOD7NxpSfw9kulh7fmeWWhmoEsFGHs727EaKmAQOnqd3eZnKi30aFpuHR IF6kegsBEBpHhobJQ9sleWirwlgwU0O7FRdL964Ou7W7xdrdZDeb95qZ/f63 fauPjeK44nsXEIK+auQokJCgA1LVwWk1uzOzO3sfu/UHNgr/cTYmCXWd893a Pny3e9m7CzFJI0pallVWJCCFJBQ1Tdog5BCkQEOBtSHBjWVQg5KAEHV00JD MVUxNIESt+rb3TtzZ86R2j+qqmKkp9v9zZuZN/Pe783MSbtM+6ppRQhEk+bR gAndnmi7J2mtUlzTU/b8wMBKi0s19U3ZsPQkwJlJiCk9HYvZ87JIVJ94wGPY BM7SgGsOxalRu7LRil1nLTT9OISb7LDBa046aALKWR00GmkzrJXc7+gXqnP6 WpqIlgKnVmh4zwl1ZZ+e0aY5GNCOOnswK4w4EM3tithwuNfR3P7z8zcl7fGSyv 34WQIZMro5AFq6KxlGZaDcary10P286m7oRlZg0YKGaxB0Nxy8Q8OzJYnh1V hhkPpfLn5mD586pJhevTY/QcbOz6Xlccg+WNuzSpmeXRVDJ33lksd77laVnf pC/QrcScq5uLW/rZjcXBHTvzsXw7HawhZlbiyRv7dfAb7agyNW1VATscPfe/ MRRPxLQgxN+YuBnFHxUSRIxLdUb1DsjcQK+VpgGPQL9RTjSZIT1p7YVWMMKdt m5ZpnhXpZMreLrQIZlpkvibsXXqH9nWPZxSxCQyNo0lvhodf1H9QeyytJR17 7X0QjmnWNAriOTFnY9eXtBBuT7rB6HI22Votbpjdtu4YzNZzvJtlea0BRwTD hKXyeuqsLDO6WyZCyaR1iBhP3xpgvDproMy+X7DhuHXQsDbUNVpRkTHG62TA rG2Wr+y92oFTGe1c22FZNIkfhqz7GuA+WxXcnuM5orK1lotnFWq160nzWzq NCF1jB6q/rN2TlyObWuhi3Qlo1jMcZN9cnf8ebP8f5T1j+a8tHHcBXiP5GBV gPXBe0MO9us25/vGQmUn1G0D+SHI6jYHS8BvO4gHZD4IAfGDBEEeyeicg0tF H8gukC0ga0BilSsmOY6BIIDMDP33xijjKsst2jgxD2cYV+41h+NKuWotNVoP CaxNMxtSJldun+DLTSMUCYeSqSzraq3D/fwCbeD2bLewc7NzFOI6XYWzO8fn dllshl4aTCMMJ3uHxluA93NdX8hzrswepSwScQaHbXKR3m5YZ9sg3J0aU+l

1KgW9JRpxOCubobMbvvizIW728Mxw7oWNbrbE5AEU+1c0N1uJDSde8OdzCC1  
jc0VwSanxcPudtgZOW6yqzUKiRPSXJzb6l6DMdb3pC9xraGltZO1tkeij3Pc  
cld1zGgLxarsNk2ZtzJbebELZtqsmcmooVsftWbzs2jjJXWJJPC4gXBugU1  
WHAsuFn+jVLEcWdcHOdGE9FUNAPNRiWoGtWgIPomCqM42ouGUSmPeJFfwj/E  
t/FX+BHeLUwRioV7BUWoExqFh4WwsEJICduEV4TXhbeE/UKfMCh8llwQhoUr  
wkQ8Dc/EZbgK1+Bm3ll78E78Jt6LD+E+fAKfx3/Fn+F/4AlkMplO7iENZCIZ  
TjqlTp4iW8g28gr5Gekh+0gv6ScfkOPkNDIHSqIAy2k1raFB+i3aRRM0TZ+k  
6+gW+iLdTI+ju+l++it6mPbTE3SQnqXn6UU6Qm8TJ4tF4p3iXPF+URIXivXi  
NKIYukuaJ82XiPSQ1CKFpbiUkp6WdklvSb+Q3pP6pY+ly9JV6Z/S7ezL7C5W  
wr7GMAuwSlbHWlgb62Qm62bPsOfZC+xH7HW2i+1j77BedoQdZwNshN0iT5XD  
cqesy2vkZ+XN8ntyn/wb+aT8e/nP8gzvX7yXvFe9bt+XfMW+pb5Hfl/6Ur4n  
fd/z7fYIAi7INqVluVuZo5QqccVUnIDWKM8qm5V71blqiSqoslqh7IB71N3q  
HnWfelB9Rz2s9qlH1WPqx+pJdUAdVM+o59QL6kX1b+pVdUS1/ozeav0hhyag  
29EUUVITuQDPRPciD7gNvP4AQloghP/ouWo82ok1oC9qKtqEfo9fQDtSD3kYH  
0CF0BH2IBIAFv5Cvgzho5aP8z/mD/Lv8Uf4j/nf8Wb5YQJhghv3g6cV4CV6O  
23AMnwUPX8TXsAv8W0zWkY3kefDqq+QNspe00Q4apyvp03Q93USP01PgrfN0  
mH5ObxE1cYWYEF3x3E3iJvFW6VJUf0tzRHKpWw1A1+OSkNSIPSp9I1iWOT  
2HQ2i81jS9hBWP/Drl8dZcfYn9gQG2afM7c8Rb5DPiH/Vj4tD8mX5BF5gvdT  
7wHvle8R74feAe8Z7xrfOt8PfC/4tvt2wOp/6rvm4/yT/NP9s/zz/Gv9G/zP  
+V/2/8Tf49/jDwaWBVoCHQE98ERgdaA30B84FjgVOB0YClwOaEqXkIC+rTyj  
bFJ6ID3KIWVQOasMK3eqs9Q5ail4za9Wqr1qP3jplHpaHVIvqxziuKPglma0  
HIVQFzLRU+CDNL+KX81/n3+Of5l/ld/Pf0WYLyDBK5QJi4FtPxV2Cm8KB4V3  
hQ+AX58JblyMF8CKNwC3wjiBe3E/8OoT7CYTyVQyg8wmJQSRTmBUiqwiq8la  
2wdbyXZygBwGVn1EzpBL5ApX02l0Br0PuOWID9IW2kYfo48Dr9bSDcCqHrqX  
/pK+T4/RP9lh8NE1eivwCQOL3hf/IP5dnChx37BTCedE17jZ5mb5Hyv/AIBL  
AQIUCxQAAAAIAPir/zhsZo7cURwAAABEAAAIAAAAAAAAAAAAAAAAAAAAAABz  
bXB0ZS5kbGxQSwUGAAAAAAEAAQA3AAAAeBwAAAAA

---=\_linux48926e95--

---

Subject: Re: SMPTE Update

Posted by [kerry](#) on Sat, 02 Aug 2008 03:24:43 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

I'm not at all familiar with the SMPTE module, never even seen one - but verrrry interesting. Are you at the limits of what you can do with this thing, or do you reckon there's a chance those bugs can be bypassed?

And this is the whole shooting match, isn't it? PARIS slaving as well as being master?

- Kerry

On 7/31/08 7:01 PM, in article 48926e95\$1 @linux, "Mike Audet" <mike@...> wrote:

>  
> 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

---

---

Subject: Re: SMPTE Update  
Posted by [Wayne](#) on Mon, 04 Aug 2008 17:27:27 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi Mike,

I don't SMPTE or ADAT. I have a 2 card, 2 8in, 2 C16, 1 MEC system on XP and I couldn't be happier. But I did want to say thank you very much for helping us Paris users. Thank you for keeping Paris alive and current as can be. You're the best thing since BT, AA and Chuck did all the XP updates and videos. I love this group. Sorry if I missed anybody, because many of you have also helped me with my equipment learning. I'm typing really fast cause I got to go. Thanks again Mike. Wayne

---

---

Subject: Re: SMPTE Update

Posted by [Mike Audet](#) on Mon, 04 Aug 2008 21:45:19 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Thanks, Wayne. :)

I'm going to keep chipping away at the driver. With a little luck, I'll get it threadsafe, and we won't need to limit the PAIS app and driver to one CPU anymore.

There will be more plugins, too.

All the best,

Mike

"Wayne Carson" <waynecarson@cox.net> wrote:

>Hi Mike,

>

>I don't SMPTE or ADAT. I have a 2 card, 2 8in, 2 C16, 1 MEC system on XP

>and I couldn't be happier. But I did want to say thank you very much for

>helping us Paris users. Thank you for keeping Paris alive and current as

>can be. You're the best thing since BT, AA and Chuck did all the XP updates

>and videos. I love this group. Sorry if I missed anybody, because many of

>you have also helped me with my equipment learning. I'm typing really fast

>cause I got to go. Thanks again Mike. Wayne

>

>

---

---

Subject: Re: SMPTE Update

Posted by [Tom Bruhl](#) on Mon, 04 Aug 2008 23:11:07 GMT

---

Holy Crap Mike,

Did you just say what I think you said?

You frighten me with your intellectual prowess.

Tom

"Mike Audet" <mike@...> wrote in message news:4897786f\$1@linux...

>

> Thanks, Wayne. :)

>

> I'm going to keep chipping away at the driver. With a little luck, I'll  
> get it threadsafe, and we won't need to limit the PAIS app and driver to  
> one CPU anymore.

>

> There will be more plugins, too.

>

> All the best,

>

> Mike

>

> "Wayne Carson" <waynecarson@cox.net> wrote:

>>Hi Mike,

>>

>>I don't SMPTE or ADAT. I have a 2 card, 2 8in, 2 C16, 1 MEC system on XP

>

>>and I couldn't be happier. But I did want to say thank you very much for

>

>>helping us Paris users. Thank you for keeping Paris alive and current as

>

>>can be. You're the best thing since BT, AA and Chuck did all the XP

>>updates

>

>>and videos. I love this group. Sorry if I missed anybody, because many

> of

>>you have also helped me with my equipment learning. I'm typing really

>>fast

>

>>cause I got to go. Thanks again Mike. Wayne

>>

>>

>

---

---



Subject: Re: SMPTE Update

Posted by [Dimitrios](#) on Tue, 05 Aug 2008 14:09:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Dear Mike !!

Please can you define what this file is to be used and placed to and for ??

Does this file overcome any other defective file ?

Thanks !!

Dimitrios

"Mike Audet" <mike@...> wrote:

>

>

>

>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

---

---

Subject: Re: SMPTE Update  
Posted by [Mike Audet](#) on Tue, 05 Aug 2008 15:04:53 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi Dimitrios.

It's a bit of a hack, but it mostly works for LTC with the SMPTE card. It completely breaks VITC, though.

If you want to try it, just replace the file at:  
I:\WINDOWS\system32\Ensoniq\PlugIns\MEC\Driver

See my next post from some cool stuff. :)

Mike

Be sure to back up the original first.

"Dimitrios" <musurgio@otenet.gr> wrote:

>

>Dear Mike !!

>Please can you define what this file is to be used and placed to and for

>??

>Does this file overcome any other defective file ?

>Thanks !!

>Dimitrios

>

>"Mike Audet" <mike@...> wrote:

>>

>>

>>

>>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  
>

---

Subject: Re: SMPTE Update  
Posted by [Andreap](#) on Wed, 27 Jan 2021 15:32:46 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi, Mark...hi, Kerry...hi, all...

excuse me for being the most dull forum user on earth's face, I don't see where's the "magic file" SMPTEUpddateDebug.zip, at least from my phone (even tried in desktop view mode). Can some angel point me to the file?

...Also, since I'm here: both the SMPTE card and OMF import/export remind mainly to synchronize Paris with the video domain, right?

Kerry kindly showed us that OMF export works quite fine using ATranslator: but what about import?

Can a Paris Pro user invite a video pro and claim to successfully import an OMF session, without risk? If yes, what DAW/programs are compatible?

Sorry to remark this issue you likely discussed earlier.

---

Subject: Re: SMPTE Update

Posted by [Kim W.](#) on Mon, 15 Feb 2021 11:00:42 GMT

[View Forum Message](#) <> [Reply to Message](#)

Wow!

How cool is that.

As far as syncing Paris as slave to a SMPTE timecode, I actually did this many years ago. I really can't remember how I did it, and I've never had the PARIS SMPTE card. But I distinctly remember recording SMPTE timecode on my Fostex B16, (I used an ancient box called an XR300, which I still have), and used the varispeed on the Fostex to actually control the speed of PARIS. It was when I first got PARIS with one EDS card, and was mid project. It worked! I was able to slow the tape down, and record a vocal track down a couple of semitones on PARIS, as the singer couldn't reach the high notes. I thought it was pretty cool at the time. PARIS with VARISPEED!! I still have a cassette deck with varispeed, and I'm sure I could use it to control the speed of PARIS.

Cheers,

Kim