

## **SMPTE Interface Specification**

The linear timecode (LTC) reader and generator shall read and generate SMPTE or EBU timecode at 23.976, 24, 25, 29.97, 30, and 30 drop frames per second. It shall also regenerate received SMPTE, dropout free, at its generate output.

The LTC reader/generator shall integrate with the show system by connecting to the show controller's programming port. Whenever it read or generates specified timecode, it shall send a message to the show controller's programming port, commanding the appropriate sequence to start.

The LTC reader/generator shall be controlled by RS-232 or discrete signals. Commands shall cause it to read, generate, change the current timecode, and alter frame rate.

The LTC reader/generator shall lock to video sync.

LTC reader/generator shall translate MIDI timecode to SMPTE or EBU and vice versa.

LTC reader/generator shall have front panel pushbuttons and a parallel discrete interface to allow the unit to start, stop, and pause timecode generation.