

Installation Guide

Fostex D-20 Cabling

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MODEL: Fostex D-20 Time Code DAT Machine

REVISION: All

SERIAL NO: All

SOFTWARE: V500 and higher

REQUIRED PARTS:

Lynx Time Code Module
TimeLine P/N 71C028, Serial Transport Control Kit
Lynx-2 Time Code Module
TimeLine P/N 71C079, Serial Transport Cable

DESCRIPTION:

TimeLine Fostex Serial Interface will allow:
Serial machine control
Track Select from KCU

For the Fostex D-20 to operate correctly, it must be configured as detailed in this installation guide.

PROCEDURE:

1. Lynx modules require the serial interface option. Lynx-2 modules include serial machine control as standard.
2. Select "Fostex D-20" on the Lynx menu. RMT light will light if machine is communicating, will flash if not communicating.
3. Initialize the Fostex for RS422 operation as follows:
With the power on and the tape ejected, simultaneously press Z LOC and P LOC. Display will change to "2nd". Press and hold down the EJECT key, the display will change from "2nd" to "Ed-XX". Select editor mode, "ED-03" (BVE-900), using the up or down arrow keys. "ED-02" (Lynx), is NOT used. Release the EJECT key and press the DISP key. The display will return from "2nd" to OPEN, completing the second level set up.

PROCEDURE (continued):

4. The D-20 requires both incoming time code and video sync in order to self resolve correctly. The time code must be referenced to video sync. This can be accomplished by patching the Lynx module generator output into the D-20. The Lynx module reference must be set to EXT VID. Start the generator running, any time code number may be used.
5. If you are using the Keyboard Control Unit (KCU). Select Ser TC Option in the [SETUP] [TRAN] menu. Otherwise, the D-20 may not locate correctly.
6. For audio recording, enable track 1. This activates both A1 and A2 on the machine. A2 does not have any function. Time code recording is done by enabling the TC track at the KCU.
7. In order to edit, the REC MODE toggle switch on the D-20 front panel must be switched to EDIT.
8. When searching backwards, the machine will rewind approximately two seconds behind the search point, and creep up to it before stopping. This is normal.
9. Unlike a video machine, the D-20 does not resolve to video sync when put into play, locally at the machine. Therefore, when locking slaves to a D-20 Master, put it into play from the KCU.

The Fostex D-20 has three rows of dip switches located on the rear of the unit. Proper setting of these switches is imperative for correct operation with TimeLine synchronizers. Please refer to the following chart.

| Switch A | Switch B | Switch C |
|----------|----------|----------|
| 1 OFF* | 1 ON | 1 OFF |
| 2 OFF* | 2 ON | 2 ON |
| 3 OFF | 3 OFF | 3 OFF |
| 4 ON | 4 OFF | 4 OFF |
| 5 OFF | 5 OFF | 5 OFF |
| 6 ON | 6 OFF | 6 OFF |
| 7 OFF | 7 OFF | 7 OFF |
| 8 OFF | 8 OFF | 8 OFF |

* NOTE: The combination of these two settings determine the frame rate of the external clock and time code. The following options are available:

1-OFF, 2-OFF = 29.97

1-ON, 2-OFF = 30.00

1-OFF, 2-ON = 25

1-ON, 2-ON = 24

Please set as required.