

Setting up Digital VTRs for Dolby E and Dolby Digital Compatibility Sony HDW-M2000

Dolby E Compatible	Yes
Dolby Digital Compatible	Yes
Channel Bit Depth	20bit
Sample Rate Conversion	Yes
PCM I/O Delay	Yes (can only be disabled on output)
24 Frame Compatible	Yes (Dolby Tri-Level Sync Adaptor required for Dolby E)

The menu settings that apply are for disabling sample rate conversion, enabling valid edits with Dolby E, selecting Dolby E or Dolby Digital compatibility, and disabling PCM I/O delay on output.

- #304 "Edit Field"
"1F" - (field 1 is correct mode for Dolby E)
- #317 "Audio Edit"
Set to "Cut" (cut is correct mode for Dolby E)

- #825 "Audio Advance Mode"
This menu enables/disables the 1 frame PCM audio advance on output only. Turning Audio Advance "On" will enable the 1 frame PCM audio advance on output (fig.1). This feature should be "On" when Dolby E is in sync on tape, and "Off" when Dolby E is advanced on tape one frame with respect to video.

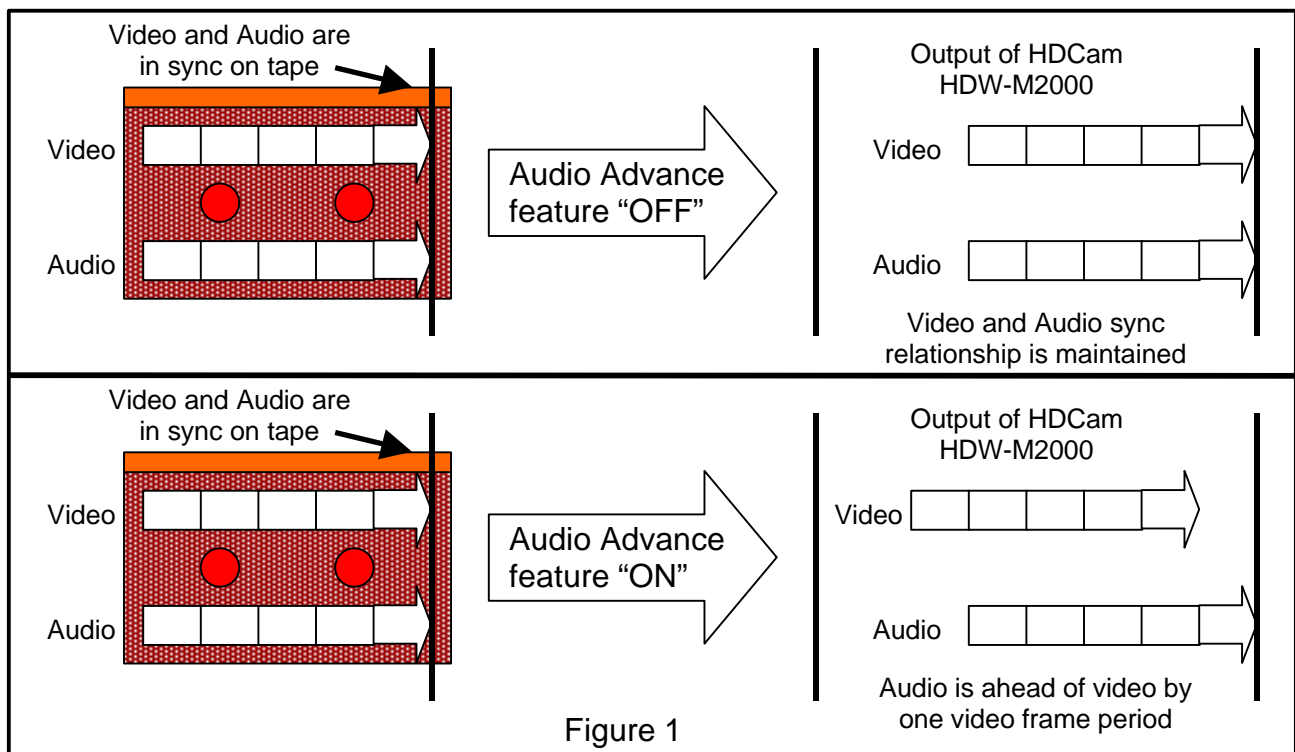


Figure 1

Information regarding equipment by manufacturers other than Dolby Laboratories is supplied to assist the end user in setting up units to be compatible with Dolby technologies. All menu information is believed to be accurate, however changes to any manufacturer's software and functionality is at the discretion of that manufacturer. You should consult your product's manufacturer for more information.

#819 and #820 have been removed from the setup menu, their functions are now in the Maintenance menu.

To access the Maintenance Menu:

Note the machine WILL NOT ENTER MAINTENANCE MODE UNLESS the Push Switch on the SS89 card is activated. The Push switch is on the top left hand side. Marked MAINT. Alternatively you can do this via dip switches 1,2, 6 on S1502.

1. press HOME + Menu (F5)
2. rotate "Multi Control" (SMALL knob below tape slot) to select "M3: OTHERS"
3. press "Set"
4. select "M37: AUDIO CONFIG"
5. press "Set"
6. select "M372: NON AUDIO INPUT"
7. press "Set"
8. select either TR1/TR2 or TR3/TR4
9. press "HOME"
10. rotate "Multi Control" knob to choose
 - a. Audio (PCM)
 - b. Burst (Dolby E)
 - c. Cont (AC-3 – NOTE: 16-bit audio)
11. press "Set"

Note the machine must be power cycled for the change to take place.

To select audio inputs:

1. Locate the "Input" key on the front panel. It is located below the meter display, and at the extreme left edge of the front panel. There are two keys, the upper key is the "Input" key.
2. Pressing the "Input" key puts the unit into the input selection mode. The currently selected input for each channel will flash. Pressing the input selection key immediately below the meter display for each channel will cycle the input selection for that channel among all of the available input sources. If a channel has been selected as a non-audio channel a "Data" indication will appear when anything other than "ANA" log is selected.
3. If the selected source is not available (i.e., not present at the input) the indicator will flash rapidly.
4. Pressing the "Input" key again will take the unit out of the selection mode.

To change the frame rate to either 59.94 Hz or 50 Hz:

#013 SYSTEM FREQUENCY SELECT

1. set to "ON" (enable switching) This is done by rotating the small Multi Control knob to select "ON"

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2. press "Set"
3. rotate Multi Control knob to desired system frequency.
4. press "Set"
5. turn off VTR. The next time the VTR is turned on it will operate in the new mode.