Film-Tech

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These manuals are designed to facilitate the exchange of information related to cinema projection and film handling, with no warranties nor obligations from the authors, for qualified field service engineers.

If you are not a qualified technician, please make no adjustments to anything you may read about in these Adobe manual downloads.

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Dolby Level Adjustment

Regularly check Dolby Level adjustment to compensate for aging exciter lamps. If the exciter lamp is changed, readjust Dolby Level.

1. Clean the sound optics on Projector 1, then thread and play the Dolby Tone test film, Cat. No. 69T. Check that the film is running in the direction of the arrow on the film.

2. Turn down the MAIN FADER or press MUTE.

3. Press MENU.
   - Press Diagnostics
   - Press Set Dolby Level
   - Press Auto Level

4. Turn the MAIN FADER to choose Projector 1. Press OK.

5. The CP500 automatically calibrates to the left and right channels while the Dolby Tone test film is running. (Calibration takes approximately 30 seconds.)

6. Press EXIT when the screen reports calibration finished.

7. Press OK to save the new level calibration settings in CP500 memory.

8. Repeat the steps, selecting Projector 2 if you have a second projector. It is not necessary to change any of the other settings in the Set Dolby Level menu.

Auto Digital Setup

The CP500 can automatically switch to the Dolby Digital format when the soundhead sees data on the film.

**To enable or disable Auto Digital:**

1. Press MENU.
3. Pressing the key alternately enables and disables the auto digital feature.

Note: When using the Custom Format screen, you can choose between “Projector 1” or “Projector 2.”

CP500 Bypass Operation

The CP500 has a separate power supply and a complete signal path from the projector to the power amps for emergency operation.

To force the unit into bypass, do ONE of the following:

- Cut the main power to the processor.
- Press the power/bypass button behind the front panel.

Mono optical sound is played to all three front speakers during bypass operation.

Note: It is essential to connect the bypass supply transformer to an AC mains source different from the mains power cable. This ensures that power to the bypass supply will not be cut if the mains circuit breaker trips.

Other CP500 Adjustments

Internal adjustments should only be made by a qualified service engineer with specialized test equipment. This is necessary during initial installation or if other sound reproduction equipment (loudspeakers or power amplifiers) is changed.

If your CP500 is in need of service, call your local service engineer.

Audio Problems?

1. Check that the exciter lamp or LED in soundhead is on. WARNING: Do not stare into the LED beam.
2. Check that AC power is getting to the power amps. Look for power indicators on the power amps.
3. Check each display and indicator on the front panel:
   - CURRENT FORMAT screen is visible.
   - Correct format is selected. (If Format 01, 04, 05, or 10 is not selected, film sound will not be heard.)
   - PROJECTION INDICATOR matches the active projector.
   - MUTE ON INDICATOR is off (not flashing).
   - FADER LEVEL DISPLAY is in normal range.

If the FADER LEVEL DISPLAY reads “AU,” the auditorium fader is in control. It may have been turned down, unplugged, or damaged.

To return control to the MAIN FADER:

1. Press MENU.
2. Press Audiotorium Fader

Set the processor to Bypass mode if the sound does not return. Open the front panel, and press the small black button at the lower right hand side, labeled: “Power/Bypass.” The CP500 Bypass Indicator illuminates and sound should return.

For more information on operating the CP500, refer to the CP500 User’s Manual.