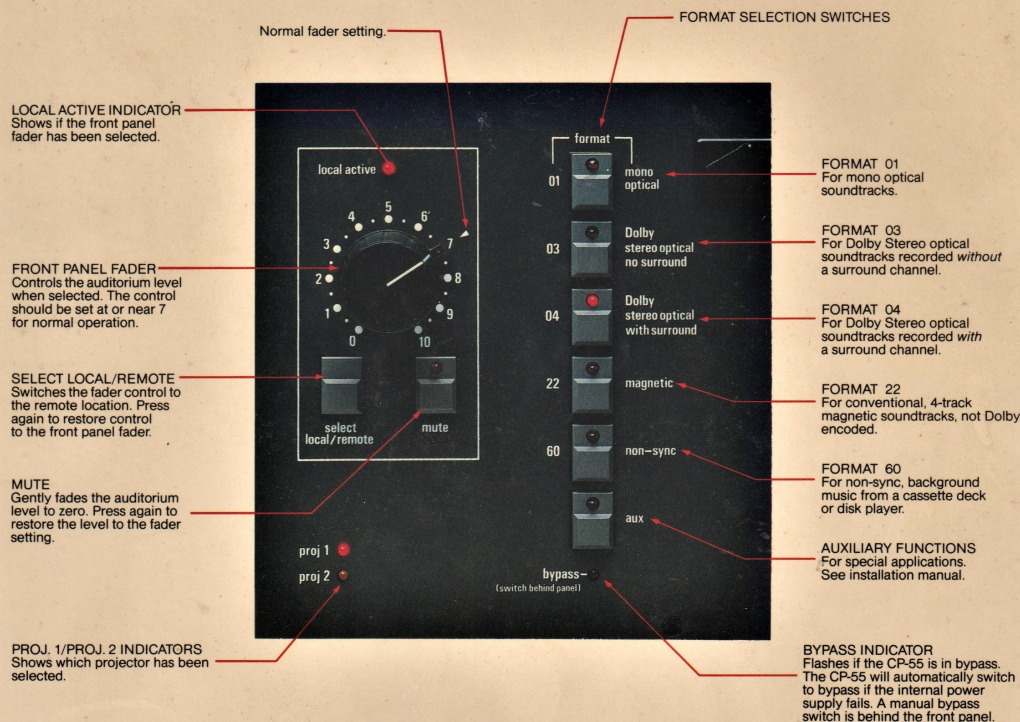


# CP55 OPERATING INSTRUCTIONS FOR THE PROJECTIONIST



## CP-55 BASIC OPERATION

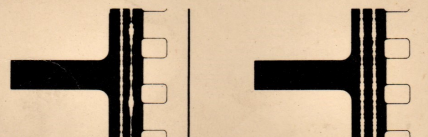
1. Turn on the sound system. The CP-55 automatically selects Format 04 and the local, front panel fader.
2. If necessary, select a different format. Usually, the initial selection will be Format 60 (non-sync) for background music.
3. If desired, the fader control may be changed to remote locations for easy access from the projectors. Pressing the select local/remote button will "toggle" the fader control between remote locations and the front panel.
4. If no background music is selected, it is usually a good practice to cut off the sound by pressing the mute button. This will prevent projector start-up noise from reaching the auditorium.
5. When the time comes to start the show, double-check the following: Correct format selection, correct fader position, and correct projector selection. Switch mute off at the appropriate moment by pressing the mute button again.



Dolby Laboratories Inc, 100 Potrero Ave, San Francisco CA 94103, Telephone 415-558-0200, Telex 34409. 346 Clapham Road, London SW9 9AP, Telephone 01-720 1111, Telex 919109. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

## HOW TO TELL A STEREO PRINT FROM A MONO PRINT

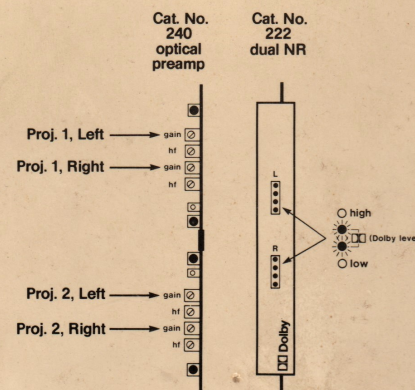
A Dolby Stereo print should be identified as such on both the film can and leader. However, with time the identifications may be lost. If you are not sure whether you have a stereo print, play a reel and find a stretch of music without dialogue or narration (on the latter, a stereo print looks much like a mono print). Examine the soundtracks closely; the two tracks on a stereo print will be different from each other. On a mono print, the two tracks will be identical. It is impossible to tell by visual inspection if a stereo film contains a surround channel; however, most Dolby Stereo films have surround information and should be played in format 04.



## DOLBY LEVEL ADJUSTMENT

If the exciter lamp is changed, it is necessary to re-adjust Dolby level. This is a simple procedure that can easily be done by the projectionist. It is a good practice to occasionally re-check these adjustments to compensate for aging exciter lamps.

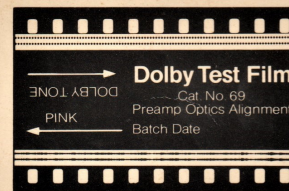
To adjust Dolby level, run a loop of Dolby Cat. No. 69 test film. Make sure you are using the Dolby tone edge and have the emulsion side facing away from the screen. Look at the LED Dolby level indicators on the Cat. No. 222 card. (Refer to the drawing inside the front panel for location.) Adjust the left and right gain controls on the Cat. No. 240 card until the two green indicators on the corresponding Cat. No. 222 meter are equally lit. *Do not adjust the HF controls.* Repeat the procedure for the other projector.



## DOLBY LEVEL CONTROLS

- Notes:**
1. Do not adjust the HF controls without proper test equipment.
  2. Do not use "pink noise" for Dolby level adjustment.

**Dolby Cat. No. 69 Test Film**  
Always thread film with emulsion away from the screen.



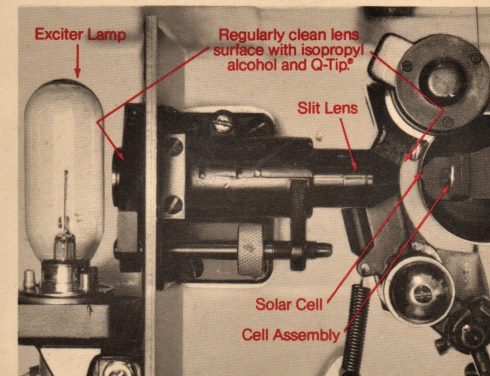
## OTHER CP-55 ADJUSTMENTS

For optimum performance, the other internal adjustments inside the CP-55 should only be done by a qualified service engineer with specialized test equipment. This is usually only necessary during the initial installation or if other sound reproduction equipment such as loudspeakers or power amplifiers are changed. If you feel your CP-55 is in need of service, phone your local service engineer.

LOCAL SERVICE ORGANIZATION:

Phone:

IN THE UNITED STATES:  
DOLBY LABORATORIES' EMERGENCY 24-HOUR PHONE NUMBER: San Francisco 415-392-0308



## KEEP THE SOUNDHEAD OPTICS CLEAN

Regular cleaning of the projectors' soundhead optics will help you keep your theater sounding at its best. Use isopropyl alcohol to clean lens surfaces and compressed air to blow dust from the solar cell. *Be very careful not to damage or move the solar cell.*

## IN CASE OF DIFFICULTY

If the sound system should fail to operate, immediately check the following:

1. Check that the exciter lamp in the projector is on.
2. Check that AC power is getting to both the CP-55 and power amps. (Look for the "power on" indicators on the power amplifiers.) If the bypass indicator on the CP-55 is flashing, read the section on CP-55 bypass operation (below).
3. Check that the CP-55 is switched to the correct format and projector. (Look at the format and projector indicators on the CP-55 front panel.)
4. Check that the correct fader is selected and is at the correct level. (Look at the local active LED and fader knob position.)
5. Check that the CP-55 mute is switched off.
6. Check for an improper external switch position, such as a speaker selection switch.

## CP-55 BYPASS OPERATION

The CP-55 contains an independent amplifier and power supply for emergency operation. The CP-55 will automatically switch to bypass in the event of a power supply failure. Other problems, such as distorted sound or loss of a channel will require the CP-55 to be switched into bypass manually. The bypass switch is located behind the front panel. Bypass operation should allow you to complete the show with acceptable sound in mono until further troubleshooting can be done.

If the CP-55 has automatically switched into bypass, there are several things the projectionist can check before calling the service engineer: Check the main power fuse on the transformer block and replace with the spare if necessary. Dolby Laboratories recommends an extra Cat. No. 249 (Power supply regulator card) be kept in the spare slot. Replace the Cat. No. 249 with the spare card, if available. (Shut AC power to the system off before removing the Cat. No. 249.) If you are unable to restore the sound system to normal operation, call your local service engineer.

