

# Film-Tech

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# Dolby Laboratories Inc

Field Bulletin 198

## Model CP500

### Cat. No. 661 Optical Preamp Software Upgrade (IC509)

- |                                     |   |
|-------------------------------------|---|
| <input type="checkbox"/>            | Modification Urgent                         |
| <input type="checkbox"/>            | Modification Recommended                    |
| <input checked="" type="checkbox"/> | Modification Required if Problem is Present |
| <input type="checkbox"/>            | Modification Required on Early Units        |
| <input type="checkbox"/>            | Information Bulletin                        |

#### Symptom

- The CP500 ignores the first projector changeover command received after power is turned on.

#### Background

Early Cat. No. 661 optical preamp boards contained a programming error which caused the preamp to ignore the first projector changeover command received after power-on. This modification involves removing the programmable logic array IC 509 and replacing it with an updated one.

*Note: This upgrade is effective only in two-projector installations. If your theater is equipped with a single projector and platter, and you do not perform sound changeovers using the CP500 then there is no need to perform this upgrade.*

#### Affected Units

CAT. No. 661 with serial numbers up to 501130.

*Note: CAT. No. 661 boards without the leading 50xxxx (for example: "0125") have the correct software.*

#### Software Upgrade Procedure

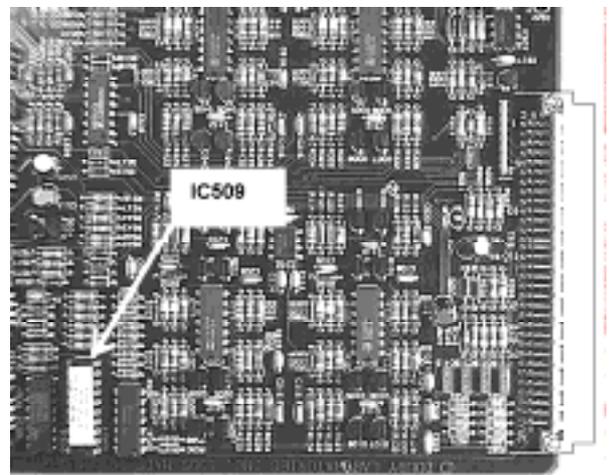
1. Switch off the CP500 then remove the Cat. No. 661 board. **Components on this board are extremely sensitive to static electricity. To avoid static damage, touch the chassis of the unit before handling this board. Preferably wear an earthed wrist strap and place the board on an anti-static mat.**

2. With the connector on the right hand side, the location of IC509 is shown in this photograph. The IC has a printed label.

3. Note the orientation of the IC on the board then carefully remove and replace it with a correctly programmed part (Dolby Part Number 84149, available at no charge from Dolby offices ). **The IC is extremely sensitive to static electricity. Be sure to remove any static on your hands by touching the chassis of the unit before handling it.** IC509 is mounted in a socket in most boards. *If IC509 is soldered into your board, return the board to Dolby for exchange rather than attempting to desolder it.*

4. Re-install the board in the CP500.

5. Re-apply power to the CP500 and confirm that the unit functions properly.



Signal Processing and Noise Reduction Systems

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100 Potrero Avenue  
San Francisco, California 94103-4813  
Telephone 415-558-0200  
Facsimile 415-863-1373

Wootton Bassett  
Wiltshire SN4 8QJ  
Telephone 01793-842100  
Facsimile 01793-842101

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