FILM-TECH

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DTS Technical Update

DTS-6 and DTS-6D to Dolby CP650

D715 Logic Interface Board

• DTS D715 operation with DTS-6D (3-drives) and Dolby CP650

Connect D715-J18 to the CP650 "AUTOMATION" connector. A 25-pin cable connects the DTS-6D AUTOMATION to D715 on J1. If using the CP650 remote fader, use the DTS E322 extender to lift D715 away from the rear panel and give clearance to the remote fader connector.

D715 board: W5 and J2 are used only for DTS-6 applications and J6 is a pass-through connection for automation.

When the DTS-6D switches into digital, it sends a format pulse to the CP650 "AUTOMATION" connector on pin 5 (Format 11 "external 6-channel analog" = DTS) which engages button "11" on the front panel.

When the DTS-6D drops out of digital, it will send 1 of 4 (fallback) pulses to the CP650. The D715 logic board has jumpers that "steer" each default pulse to one of several CP650 format keys.

The MONO, A-TYPE ("A"), and SR pulses are sent by the DTS-6D. They are programmed on the DTS movie disc(s) and are used to return the CP650 back to the optical format the movie was recorded in. The NONSYNC ("NS") pulse (from the DTS-6D) will be sent if DTS timecode is lost during the last 60 seconds of the last reel.

SETTING FORMAT JUMPERS

MONO jumper - place jumper horizontally across SK1 ('01' button)
- place jumper between center pin and SK7 ("NS" button)
- place jumper between center pin and SK3 ("05" button)
- place jumper between center pin and SK2 ("04" button)

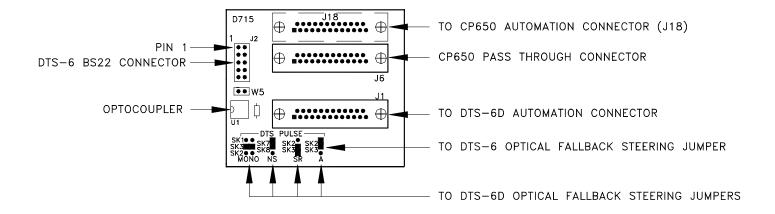
• DTS D715 operation with DTS-6 (2-drives) and Dolby CP650

Connect D715-J18 to the CP650 "AUTOMATION" connector. The DTS-6 "BS22" 10-pin connector (on the 50-pin cable) connects the DTS-6 logic to D715 on J2. Note pin 1 for proper orientation. If using the CP650 remote fader, use the DTS E322 extender to lift D715 away from the rear panel and give clearance to the remote fader connector.

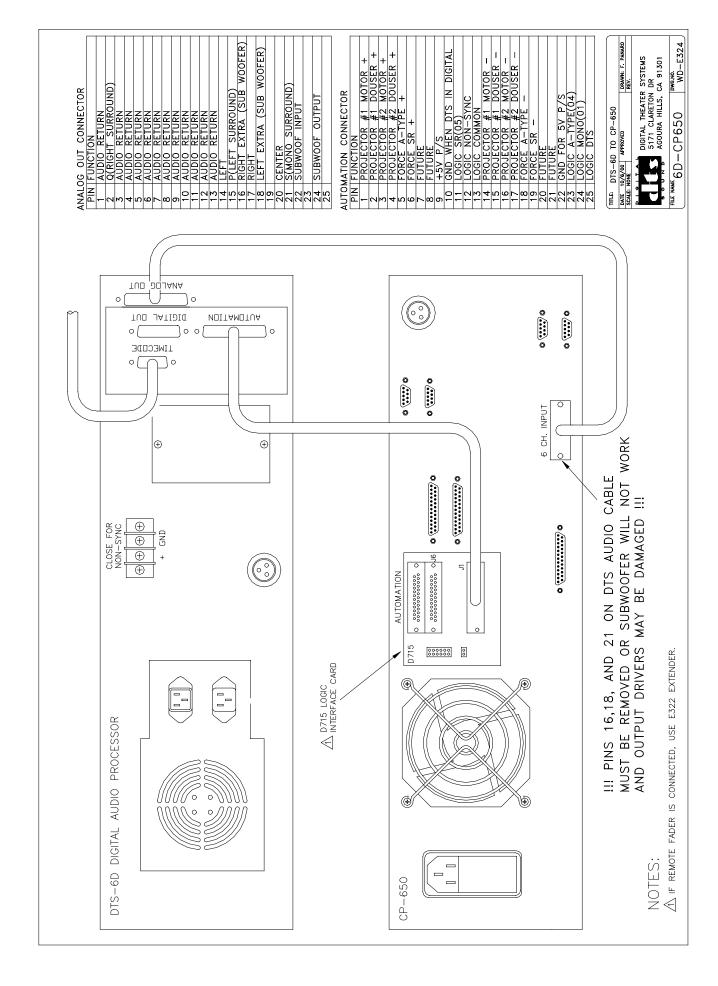
D715 board: J1 is normally used only for DTS-6D applications and J6 is a pass-through connection for automation.

When the DTS-6 switches into digital, it sends a format pulse to the CP650 "AUTOMATION" connector on pin 5 (Format 11 "external 6-channel analog" = DTS) which engages button "11" on the front panel.

W5 must be installed for "fallback" operation (use jumper from "SR" or "NS" header) with the DTS-6. When W5 is installed and the DTS-6 drops out of digital, a single "fallback" pulse will be sent to the CP650. The D715 board's "A" 3-pin header "steers" the pulse to either SK2 (A-TYPE = "04" button) or SK3 (SR = "05" button). The user must select which format is desired and selection is made with a jumper from the center pin to the optical sound format the movie was recorded in. In most cases, that will be SR.



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