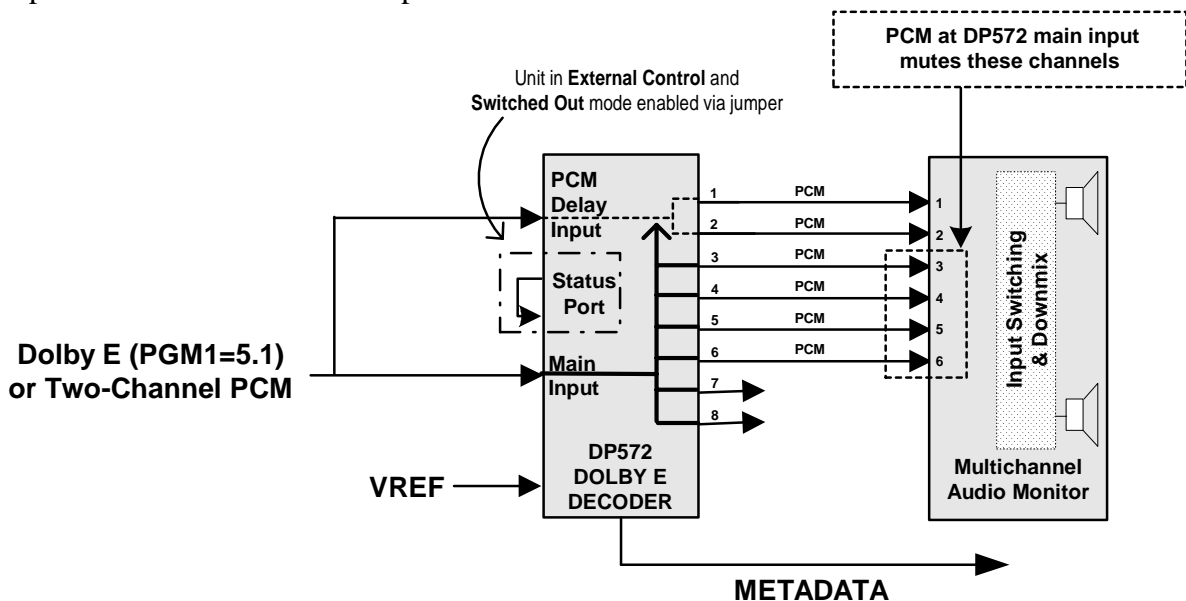


DP572 Broadcast Monitoring Station Configuration

DP572 Auto-Switching to Two-Channel Output for PCM Input Signals

This document describes the use of the **Switched Out** mode on the DP572 to feed a two-channel PCM (non-Dolby E) signal to outputs 1 and 2 **only**, while muting the remaining outputs. This can be useful in a facility that has connected all PCM outputs on the DP572 directly to multichannel audio monitoring equipment (usually for listening to decoded Dolby E signals, typically in 5.1 channels). In such a case, when two-channel PCM is presented to the main input of the DP572, the unit, by default, passes the two-channel PCM to all outputs simultaneously. This condition may cause operations personnel to assume that the programming is in a multichannel format.

The steps below describe a method to avoid this condition by providing two-channel PCM at the AES 1 and 2 outputs and muting the others when PCM is present at the DP572 main input.



In the figure above, the DP572's eight outputs are shown individually only for clarity. The eight output channels actually reside on four AES pairs.



WARNING: *This configuration is for monitoring purposes only. You run the risk of damaging your speakers or your hearing if the playback level is very high during a brief burst of un-decoded Dolby E data at full scale, while the DP572 switches from PCM to Dolby E (via the DP572 Main Input looped to the PCM Delay Input).*

Setup

1. Disable PCM **Bypass** mode on DP572 (via menu selection).
2. Enable **External Control** mode on DP572 (via menu selection).
3. Attach a jumper wire on the DP572 Status Port between pins 1 and 8.
4. Loop the DP572 Main Input to the PCM Delay Input (i.e., the same signal is available on both inputs).

DP572 Behavior

When the main input on the DP572 detects PCM (non-Dolby E stream), the DP572 will mute all PCM outputs and, simultaneously, the unit will be signaled (via the jumper on the status port) to enter **Switched Out** mode.

Switched Out mode allows the PCM audio present on the PCM Delay input connector to be passed to outputs 1/2 only. Metadata will indicate 2/0 during this mode. All other outputs are muted via the PCM Bypass disable function.