SONY

Sony Cinema Products Corporation

Tech Note

Making a test cable.

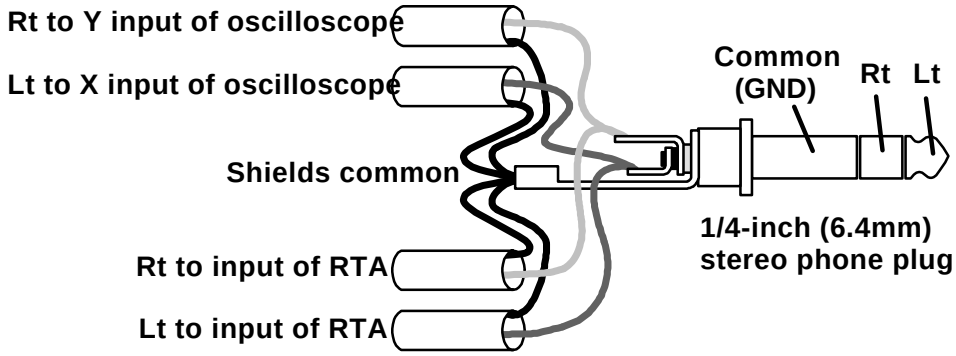
Product: DFP-D3000.
S/N: All units.
Document: **TN99101201**, CC
Summary: How to make a test cable for performing A-Chain calibrations using the DFP-D3000 and external test equipment.

The DFP-D3000 provides a convenient, front-panel ¼-inch phone jack with a selector switch. This jack can be used to connect an external real time analyzer (RTA) and dual-channel X-Y oscilloscope to facilitate making A-Chain calibrations and adjustments. See the DFP-3000 Quick Start Guide for detailed instructions. This Tech Note describes how to make the necessary cable to connect your external oscilloscope and RTA to the phone jack.

When the headphone selector switch is changed, a description of the selected signal will be displayed briefly on the DFP-D3000's LCD panel.

Connections at the phone plug.

The following illustration shows how to make the necessary connections of the cables to the ¼-inch stereo (TRS or Tip, Ring, Sleeve) phone plug. The plug is show without a cover to reveal the wiring.



Use quality shielded cable and connect all shields to the phone plug's sleeve common.

Connections at your external equipment.

Various brands of test equipment provide different input connectors and describing all of them is beyond the scope of this document. The connections to be made should be obvious, just be sure to connect the shields to each input's signal common, as the shields are also the signal commons.