

T-BERD 224 Setup

T1 Termination

The following procedure outlines how to connect the T-BERD 224 to the DSX-1 to **terminate** the T1 circuit into the T-BERD 224. Please read the entire procedure **BEFORE** starting.

Part 1 – Configuring the T-BERD 224

Step	Switch	Action
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Configure the T-BERD 224 as follows **BEFORE** connecting the unit to the circuit.

1	AUX	Press to access the auxiliary functions (LED ON).
2	MODE	Scroll to AUX 05 . Select 0 dB LBO settings for both LINE 1 & LINE 2 with the SOURCE CONFIGURATION II switch and RESULTS I blank switch respectively. Select the appropriate LBO if terminating at customer premise equipment.
3	MODE	Scroll to AUX 06 BACK TM (BACKUp TiMing) using the MODE switch. Select INTERNAL timing using the SOURCE CONFIGURATION II switch and the RESULTS I blank switch for both LINE 1 & LINE 2 if emulating central office (CO) equipment and providing timing on T1 circuit. Select RECOVERED timing using the SOURCE CONFIGURATION II switch and the RESULTS I blank switch if emulating customer premise equipment or accessing DCS TAD and recovering timing from CO.
4	AUX	Press to exit the auxiliary functions (LED OFF).
5	RESULTS I	Select SUMMARY category using the blank switch.
6	RESULTS II	Select SUMMARY category using the blank switch.
7	MODE	Select the proper T1 framing mode (e.g., T1, T1 D4, T1 ESF, or T1 SLC®).
8	CODE	Select BSZS or AMI (see WORD document or Circuit Description).
9	TEST	Select CONTInuous .
10	PRINT EVENT	Select OFF unless printout of results is required.
11	DROP (RX)	Select LINE 2 .
12	INSERT (TX)	Select LINE 1 .
13	LINE 2 RX INPUTS	Select TERM .

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20400 Observation Drive, Germantown, Maryland 20876-4023 USA
 USA 1-800-638-2049 • +1-301-353-1550 • FAX +1-301-353-0234
 Canada 1-888-689-2165 • +1-905-507-4117 • FAX +1-905-507-4126
 www.ttc.com

TTC Technical Support
1-800-638-2049

Part 2 – Connecting to the Circuit

Step	Action/Results
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- 1 Connect a cable from the T-BERD 224's **LINE 1 TX** jack to the appropriate DSX-1 IN jack.
- 2 Connect a cable from the T-BERD 224's **LINE 2 RX** jack to the appropriate DSX-1 OUT jack.
- 3 Press **RESTART** to clear alarms and begin the test. Verify that:
 - A. T-BERD 224's **LINE 2 SIGNAL** LED is illuminated.
 - B. T-BERD 224's **LINE 2 FRAME SYNC** LED is illuminated.
 - C. **SUMMARY** results read "RESULTS OK".
- 4 Configure unit for proper test (see specific applications for instructions).

