

## Technical Assistance

PairGain Technical Assistance is available 24 hours per day, 7 days per week by contacting PairGain's Customer Service Engineering group (listed below).

During normal business hours (8:00 AM to 5:00 PM, Pacific Time, Monday through Friday, excluding holidays), technical assistance calls are normally answered directly by a Customer Service Engineer. At other times, a request for technical assistance is handled by an on-duty Customer Service Engineer through a callback process. This process normally results in a return call within 30 minutes of initiating the request.

In addition, PairGain maintains a computer bulletin board system for obtaining current information on PairGain products, product fault isolation tips and aids, helpful utilities, and for posting requests or questions. This system is available 24 hours per day by calling (714) 730-2800. Transmission speeds up to 28.8 kbps are supported with a character format of 8-N-1.

PairGain product, company, and application information can be found at <http://www.pairgain.com> using any Web browser.

## Limited Warranty

PairGain Technologies, Inc. warrants this product to be free of defective and faulty workmanship for a period of 60 months, under normal use, from the date of shipment. PairGain's obligation under this warranty is limited to replacing or repairing, at PairGain's option, any such product that is returned during the warranty period per PairGain's instructions and which product, in PairGain's sole option, is determined to be defective upon examination at our plant.

Do not try to repair or disassemble the unit. If it fails, replace it with another unit and return the faulty unit to PairGain for repair. Any modifications of the unit by anyone other than an authorized PairGain representative will void the warranty.

If a unit needs repair, call PairGain at (800) 638-0031 for a Return Material Authorization (RMA) number and return the defective unit, freight prepaid, along with a brief description of the problem, to the PairGain Technologies, Inc. at 14352 Franklin Avenue, Tustin, CA 92780-7013.

PairGain will continue to repair or replace faulty modules beyond the warranty program at a nominal charge. Contact your PairGain sales representative for details and pricing.

# PG-FLEX REMOTE TERMINAL LINE UNIT STREAKER CARD QUICK REFERENCE GUIDE

## MODEL FSU-796 LIST 6, P/N 150-1396-06

The PairGain® PG-Flex™ FSU-796 List 6 Remote Terminal Line Unit (RTL) Streaker card is a continuity tester. The card verifies that the HDSL, Auxiliary Power, and Bypass Pair terminations from the RT line unit slot of a PG-Flex RT enclosure are wired to the termination point correctly.

## Unpack and Inspect the Shipment

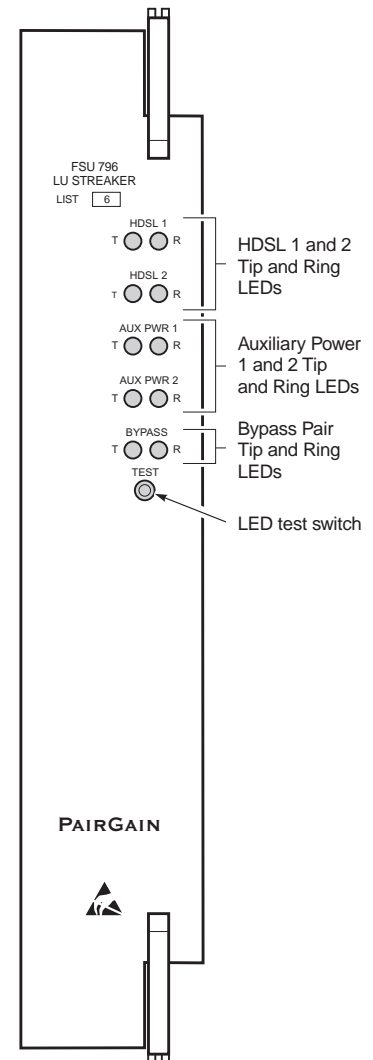
When you receive the PG-Flex FSU-796 List 6 Streaker card:

- 1 Unpack the PG-Flex FSU-796 Streaker card and visually inspect it for signs of damage. If the components have been damaged in transit, immediately report the extent of damage to the transportation company and to your sales representative. Order a replacement unit if necessary.
- 2 Compare the contents of the package against the packing list. If the shipment is incorrect, contact PairGain as described in the "Limited Warranty" section.

## Features of the FSU-796 List 6

The illustration shows the FSU-796 List 6 front panel, and the table below describes the features and functions for the front panel LEDs and the LED Test switch.

Feature	Function
HDSL_1_T HDSL_1_R	Lights when the HDSL 1 or 2 Tip or Ring connector terminations from the cable stub connections are shorted to ground.
HDSL_2_T HDSL_2_R	If the LED for the termination under test does not light, or the wrong LED lights, the termination is miswired. If the opposite LED lights, the termination is reversed.
AUX PWR_1_T AUX PWR_1_R	Lights when the AUX PWR 1 or 2 Tip or Ring connector terminations from the cable stub connections are shorted to ground.
AUX PWR_2_T AUX PWR_2_R	If the LED for the termination under test does not light, or the wrong LED lights, the termination is miswired. If the opposite LED lights, the termination is reversed.
BYPASS_T BYPASS_R	Lights when the BYPASS Tip or Ring connector termination from the cable stub connection is shorted to ground. If the LED for the termination under test does not light, or the wrong LED lights, the termination is miswired. If the opposite LED lights, the termination is reversed.
LED Test Switch	When pressed, lights all the LEDs on the Streaker card. If all the LEDs do not light, the 9V battery is bad or the FSU-796 List 6 is defective.



**Corporate Office:**  
14402 Franklin Avenue  
Tustin, CA 92780  
Tel: (714) 832-9922  
FAX: (714) 832-9924

**For Technical Assistance:**  
(800) 638-0031



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# PAIRGAIN

## Before You Install the FSU-796 List 6



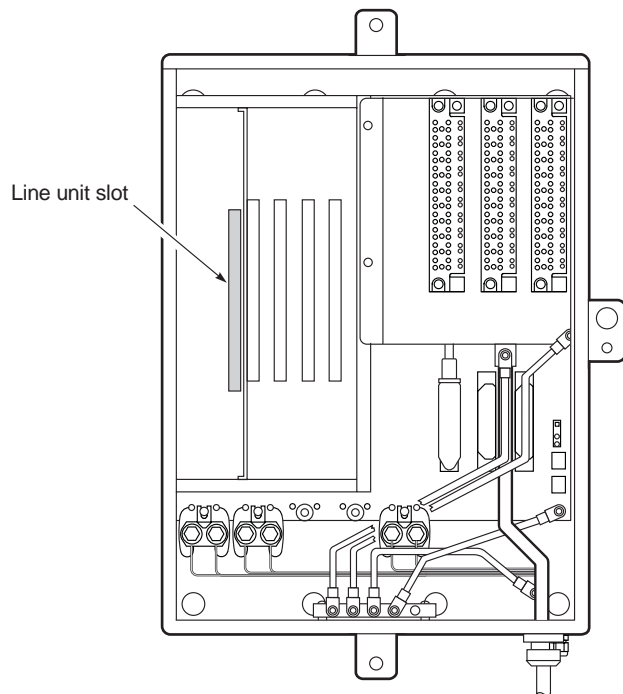
Verify that a 9V battery is installed on the FSU-796 List 6 Streaker card before starting this procedure.

Press the LED Test switch on the front panel of the FSU-796 List 6 and verify that all LEDs are on.

- If no LEDs light, replace the 9V battery.
- If no LEDs light after replacing the 9V battery, replace the FSU-796 List 6 Streaker card.
- If any one of the LEDs do not light, replace the FSU-796 List 6 Streaker card.

## Installing the FSU-796 List 6

- 1 Slide the FSU-796 List 6 into the RT enclosure line-unit slot until the retaining latch on the front panel locks into position. (Refer to Figure 1 for the line unit slot location.)
- 2 Proceed to “Verifying the Line Unit Slot Wiring” on the next page.



**Figure 1.** Line Unit Slot Location  
(FRE-765 Lists 4D and 4E Shown)

## Verifying the Line Unit Slot Wiring

Use the following procedure to verify the wiring between an FRE-756 RT enclosure and the termination point.



**Power should not be applied to the FRE-765 RT enclosure while verifying the wiring.**

- 1 At the cable stub termination, connect a jumper lead from frame ground to the appropriate termination from the RT enclosure. Verify that the corresponding LED on the FSU-796 is on. (Refer to Table 1 for the HDSL, Auxiliary Power, and Bypass Pair wire pair colors for the Lists 4D and 4E.)
  - If the correct LED lights, proceed to the next connector termination.
  - If the LED under test does not light, check that the wiring to the RT enclosure.
  - If the opposite or wrong LED lights, check for reversed wiring.
- 2 Repeat the previous step for each line unit termination.

**Table 1.** HDSL, Auxiliary Power, and Bypass Line Unit Terminations

Connector	6 Pair Cable Stub	Function
HDSL_1_T HDSL_1_R	WH BL	Tip and Ring terminations for HDSL Pair #1. -130 Vdc is simplex on this line for powering the Remote Terminal.
HDSL_2_T HDSL_2_R	WH OR	Tip and Ring terminations for HDSL Pair #2. +130 Vdc is simplex on this line for powering the Remote Terminal.
AUX_PWR_1_T AUX_PWR_1_R	WH BN	Auxiliary Power Pair #1. Used for auxiliary power to the RT when using a PG-Flex doubler unit.
AUX_PWR_2_T AUX_PWR_2_R	WH SL	Auxiliary Power Pair #2. Used for auxiliary power to the RT when using a PG-Flex doubler unit.
BYPASS_T BYPASS_R	WH GN	Termination for the metallic bypass pair from the COT to the RT.
(Spare)	RD BL	No connection—reserved for future use.