Technical Assistance

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

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) 730-3299. 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, Incorporated warrants its products 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) 370-9670 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 Repair Center 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.

FCC Compliance

This unit complies with the limits for Class A digital devices pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, can cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Refer to the installation section of the appropriate instruction manual for the unit you are installing to get information on cabling, correct connections, and grounding.

PAIRGAIN
THE COPPEROPTICS COMPANY

PG-FLEX CENTRAL OFFICE CHANNEL UNIT STREAKER CARD QUICK INSTALLATION GUIDE

MODEL FSU-796 LIST 2, P/N 150-1396-02

This PairGain® PG-Flex™ FSU-796 List 2 Central Office Channel Unit (COCU) Streaker card is a continuity tester. The card verifies that the Tip and Ring connections from the channel unit slots of a PG-Flex central office terminal (COT) shelf (19" or 23") are wired correctly to the Central Office (CO) Main Distribution Frame (MDF).
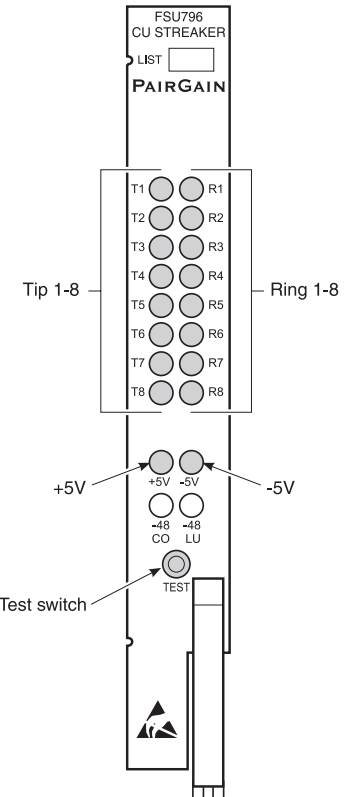
Unpack and Inspect the Shipment

When you receive the PG-Flex FSU-796 List 2 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 kit 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

The illustration shows the FSU-796 List 2 front panel, and the table describes the features and functions for the front panel LEDs.

Feature	Function
T1 - T8	Lights when one of the Tip subscriber terminations (T1 - T8) from the MDF is shorted to ground.
	If the LED for the termination under test does not light, the termination is miswired.
	If the Ring LED lights, the subscriber termination is reversed.
R1 - R8	Lights when one of the Ring subscriber terminations (R1 - R8) from the MDF is shorted to ground.
	If the LED for the termination under test does not light, the termination is miswired.
	If the Tip LED lights, the subscriber termination is reversed.
+5V	Indicates that the COT line unit is installed for the system under test and is supplying +5V to the channel unit.
-5V	Indicates that the COT line unit is installed for the system under test and is supplying -5V to the channel unit.
-48 CO	Indicates that the CO battery is wired correctly.
-48 LU	Indicates that the COT line unit is installed, and the fuse in the line unit is good.
TEST	When pressed, lights all the LEDs on the Streaker card.

FSU796 CU STREAKER
LIST
PAIRGAIN

T1 R1
T2 R2
T3 R3
T4 R4
T5 R5
T6 R6
T7 R7
T8 R8

Tip 1-8 — Ring 1-8

+5V -5V
+5V -5V
-48 CO -48 LU

Test switch — TEST

Installing and Testing the FSU-796

> The line unit for the system under test must be installed to supply the FSU-796 with the +5V, -5V, and -48V LU voltages.

1   Slide the FSU-796 into the channel unit slot to be tested until the retaining latch on the front panel locks into position. (Refer to Figure 1 for a 19" COT shelf and refer to Figure 2 for a 23" COT shelf).

2   Verify that the +5V, -5V, -48 CO, and -48 LU LEDs are lit. If the +5V, -5V, and -48 LU LEDs do not light, replace the line unit.

3   Press the TEST switch and verify that all Tip and Ring LEDs (T1-T8 and R1-R8) are lit. Replace the FSU-796 if any of the LEDs do not light.
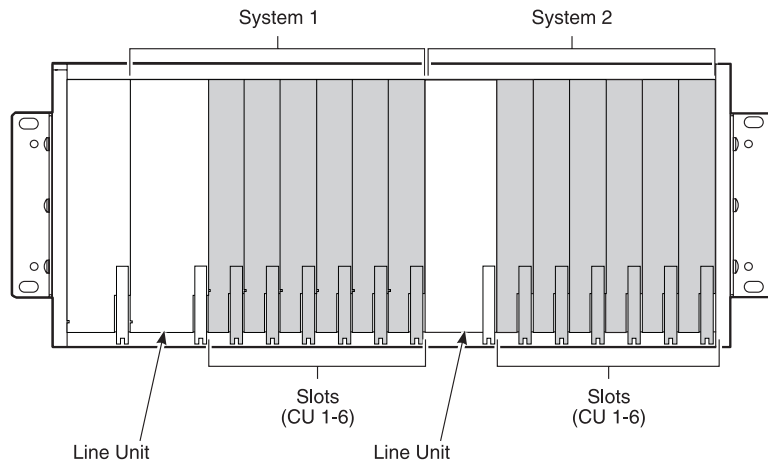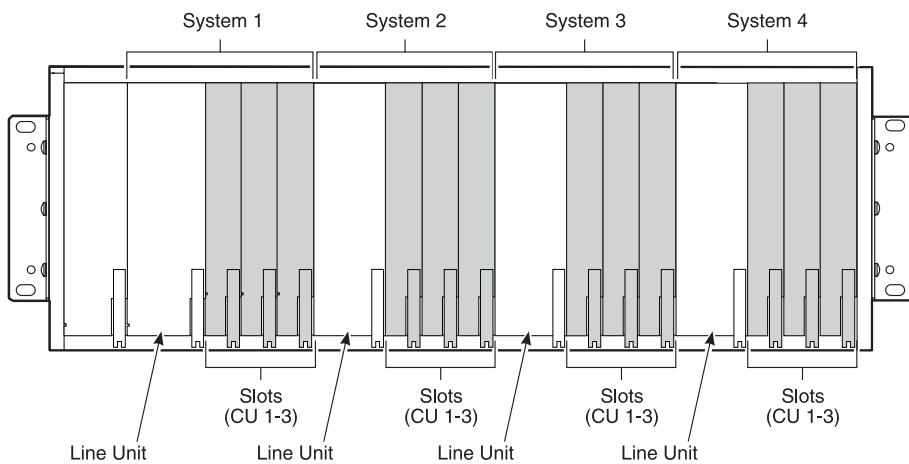

Figure 1. *19" Central Office Shelf*

Figure 2. *23" Central Office Shelf*

Testing the Channel Unit Slots

> Refer to Table 1, "Subscriber Terminations," for connector pin locations and wire colors.

1   From the Main Distribution Frame (MDF), connect a jumper lead from frame ground to the appropriate Tip or Ring subscriber termination and verify that the corresponding Tip or Ring LED on the FSU-796 is lit.

- If the correct Tip or Ring LED lights, proceed to the next subscriber termination.
- If the Tip or Ring LED under test does not light, check the wiring to the COT shelf.
- If the wrong LED lights, check the wiring to the COT shelf.

2   Repeat the previous step for each channel card Tip and Ring subscriber termination.

Table 1. *Subscriber Terminations*

Channel Unit*	Circuit	Tip	Ring	Tip	Ring
1 (4)	1	26	1	WH/BL	BL/WH
	2	27	2	WH/OR	OR/WH
	3	28	3	WH/GN	GN/WH
	4	29	4	WH/BN	BN/WH
	5	30	5	WH/SL	SL/WH
	6	31	6	RD/BL	BL/RD
	7	32	7	RD/OR	OR/RD
	8	33	8	RD/GN	GN/RD
2 (5)	1	34	9	RD/BN	BN/RD
	2	35	10	RD/SL	SL/RD
	3	36	11	BK/BL	BL/BK
	4	37	12	BK/OR	OR/BK
	5	38	13	BK/GN	GN/BK
	6	39	14	BK/BN	BN/BK
	7	40	15	BK/SL	SL/BK
	8	41	16	YL/BL	BL/YL
3 (6)	1	42	17	YL/OR	OR/YL
	2	43	18	YL/GN	GN/YL
	3	44	19	YL/BN	BN/YL
	4	45	20	YL/SL	SL/YL
	5	46	21	VI/BL	BL/VI
	6	47	22	VI/OR	OR/VI
	7	48	23	VI/GN	GN/VI
	8	49	24	VI/BN	BN/VI

* Numbers in parenthesis indicate channel unit slots for 19" COT shelves.