



# PG-Flex<sup>®</sup> FLL-712/FRL-742 to FLL-812/FRL-842 Conversion Job Aide

## Equipment Needed

### CO Technician:

VT-100 emulator terminal (PC/Laptop running Hyperterm or PROCOMM, etc.)  
DB-9 straight cable  
FPI-829 List 3  
FLL-812 List 1  
ESD Wrist Strap

### RT Technician:

216 Tool  
FRL-842 List 1B  
ESD Wrist Strap



This procedure converts a PG-Flex System from Bypass pair to TR-909 Subscriber Testing.

## Login and Record Configuration Data (CO Technician)

Step	Action	Verification
1	Set your terminal to: <b>8 data bits</b> <b>1 stop bit</b> <b>no parity</b> <b>VT-100 emulation</b>	
2	Connect DB-9 cable between RS-232 port on front panel of FPI-729 and PC/Laptop serial port.	
3	Press <b>ENTER</b> several times.	The Main Menu appears.
4	Press <b>5</b> and <b>ENTER</b> .	
5	Write down the Composite Clock Setting in line C) Set CC Alarm.	(e.g, Off)
6	Press <b>X</b> and <b>ENTER</b> .	The Main Menu screen appears.
7	Press the number of the system to be converted, <b>1</b> through <b>4</b> , and press <b>ENTER</b> .	(e.g., 4)
8	Press <b>B</b> and <b>ENTER</b> .	The Setup Menu appears.
9	Press <b>A</b> and <b>ENTER</b> .	The System Settings (ID) Menu appears.
10	Write down the System ID in line C) System ID.	(e.g., test system)
11	Press <b>X</b> and <b>ENTER</b> .	The Setup Menu appears.
12	Press <b>C</b> and <b>ENTER</b> .	The Channel Configuration Menu appears.
13	Record all disabled channels and enabled ISDN channels.	(e.g., CU 2 Channels 2, 3, 4) (e.g., CU 2 Channel 1)
14	Press <b>X</b> and <b>ENTER</b> .	The Setup Menu appears.
15	Press <b>D</b> and <b>ENTER</b> .	The Loop Start/ Ground Start Menu appears.

Step	Action	Verification
16	Record all ground start channels.	(e.g., CU 3 Channel 1)
17	Press <b>X</b> and <b>ENTER</b> .	The Setup Menu appears.
18	Press <b>E</b> and <b>ENTER</b> if you have ISDN service in the system.	
19	Type ISDN configuration settings for any ISDN channels that were shown to be enabled in Step 10 and <b>ENTER</b> .	(format = 2,1) CU 2 Channel 1
20	Record ISDN configuration settings in lines A-E.	
21	Press <b>X</b> and <b>ENTER</b> .	The Setup Menu appears.
22	Press <b>X</b> and <b>ENTER</b> .	The Main Menu appears.
23	Press <b>A</b> and <b>ENTER</b> .	The Status Menu appears.
24	Press <b>D</b> and <b>ENTER</b> .	The System Alarm History Menu appears.
25	Press <b>R</b> and <b>ENTER</b> to reset the Alarm History.	
26	Press <b>Y</b> and <b>ENTER</b> at the Do you wish to reset the alarm history? prompt.	
27	Press <b>A</b> and <b>ENTER</b> to check for active alarms in the COT.	
28	Record any alarms.	(e.g., CHAN REV and ISDN DSL FRM)
29	Press <b>X</b> and <b>ENTER</b> .	The System Alarm History Menu appears.
30	Press <b>B</b> and <b>ENTER</b> to check for active alarms in the RT.	
31	Record any alarms.	(e.g., CHAN REV and ISDN DSL FRM)
32	Press <b>X</b> and <b>ENTER</b> .	The System Alarm History Menu appears.
33	Press <b>C</b> and <b>ENTER</b> to check for active alarms in the HDSL Span.	
34	Record any alarms.	(e.g., **No Alarm History**)
35	Press <b>X</b> and <b>ENTER</b> .	The System Alarm History Menu appears.

## Perform Hardware Conversion (CO Technician and RT Technician)



**STATIC SENSITIVE DEVICE – DO NOT HANDLE ANY MATERIAL WITHOUT FIRST TAKING PROPER STATIC CONTROL PRECAUTIONS.**

Step	Action	Verification
36	<b>CO Technician:</b> Remove the FPI-729 and replace it with an FPI-829 List 3.	
37	<b>CO Technician and RT Technician:</b> Establish communications between the CO and the RT.  Make sure the system being converted is not used for communications.	
38	<b>CO Technician:</b> Look for active LED's on the channel cards which indicates subscriber traffic.	
39	<b>CO Technician:</b> Remove the FLL-712 when all channel card LED's are off.  <b>RT Technician:</b> After the CO Technician removes the FLL-712, the sync lights on the FRL-742 should go off.  Remove the FRL-742 and replace it with an FRL-842 List 1B.  <b>CO Technician:</b> Replace the FLL-712 that you just removed with an FLL-812 List 1.	
40	<b>CO Technician:</b> Re-connect your terminal to the RS-232 port on front panel of FPI-829.	

## Reconfigure the System (CO Technician)

Step	Action	Verification
41	Press <b>ENTER</b> several times.	The Password Screen appears.
42	Type <b>password#1</b> and press <b>ENTER</b> .	
43	Press <b>→</b> or <b>C</b> to highlight <b>Configure</b> and press <b>ENTER</b> .	
44	Press <b>↓</b> or <b>A</b> to highlight <b>Alarm Types</b> and press <b>ENTER</b> .	<b>Composite Clock 1 LOS</b> should be highlighted.
45	Press <b>SPACEBAR</b> to toggle to the alarm type recorded in Step 5.	(e.g., Off = NA, On = MN or MJ)
46	Press <b>↓</b> to highlight <b>Composite Clock 2 LOS</b> .	
47	Press <b>SPACEBAR</b> to toggle to the alarm type recorded in Step 5.	(e.g., Off = NA, On = MN or MJ)
48	Press <b>↓</b> to highlight <b>Accept Alarm Type Changes</b> and press <b>ENTER</b> .	
49	Press <b>Y</b> to accept the changes.	
50	Press <b>ESC</b> to back out of the Configuration Menu.	
51	Press <b>←</b> or <b>S</b> to highlight <b>Select</b> and <b>ENTER</b> .	
52	Press <b>↓</b> to highlight the system being converted, <b>1</b> through <b>4</b> , and press <b>ENTER</b> .	(e.g., COLU 4)
53	Press <b>→</b> or <b>C</b> to highlight <b>Configure</b> and <b>ENTER</b> .	
54	Press <b>↓</b> to highlight <b>System Options</b> and press <b>ENTER</b> .	
55	Press <b>↓</b> to highlight <b>System ID</b> .	(e.g., PG-Flex)
56	Type the System ID recorded in Step 10.	(e.g., test system)
57	Press <b>↓</b> to highlight <b>Accept System Option Changes</b> and <b>ENTER</b> .	
58	Press <b>Y</b> to accept the changes.	
59	Press <b>ESC</b> to back out of the System Setup Menu.	<b>Config</b> should be highlighted.
60	Press <b>↓</b> to highlight <b>Channel Configuration</b> and press <b>ENTER</b> .	
61	Press the appropriate <b>← ↑ → ↓</b> to highlight the channels that were disabled in Step 13.	
62	Press <b>SPACEBAR</b> to select <b>DIS</b> .	
63	Press the appropriate <b>← ↑ → ↓</b> to highlight <b>SAVE SETTINGS</b> and press <b>ENTER</b> .	

Step	Action	Verification
64	Press <b>Y</b> to accept the changes.	
65	Press <b>ESC</b> to back out of the Channel Configuration Menu.	<b>Config</b> is highlighted.
66	Press <b>↓</b> to highlight <b>LS/GS Options</b> and press <b>ENTER</b> .	
67	Press the appropriate <b>← ↑ → ↓</b> to highlight the channels that were ground start in Step 16.	
68	Press <b>SPACEBAR</b> to select <b>GS</b> .	
69	Press the appropriate <b>← ↑ → ↓</b> to highlight <b>SAVE SETTINGS</b> and press <b>ENTER</b> .	
70	Press <b>Y</b> to accept the changes.	
71	Press <b>ESC</b> to back out of the LS/GS Options Menu.	<b>Config</b> is highlighted.
72	Press <b>↓</b> to highlight <b>ISDN Options</b> and press <b>ENTER</b> if ISDN service is present.	
73	Configure ISDN's that were enabled in Step 19.	(format = 2,1) CU 2 Channel 1
74	Press <b>↓</b> and <b>↑</b> to scroll through the list of parameters to change. Press <b>SPACEBAR</b> to reach the appropriate option.	
75	Press <b>↓</b> to highlight <b>Accept ISDN Option Changes</b> and press <b>ENTER</b> .	
76	Press <b>Y</b> to accept the changes.	
77	Press <b>ESC</b> to back out of the System Option Menu.	<b>Config</b> is highlighted.
78	Press <b>↓</b> to highlight <b>Date and Time</b> and press <b>ENTER</b> .	
79	Press <b>↓</b> and <b>↑</b> to scroll through the list of parameters to change. Press <b>SPACEBAR</b> to reach the appropriate month. To change the rest of the fields, type the appropriate numbers.	
80	Press <b>↓</b> to highlight the <b>ACCEPT DATE &amp; TIME</b> and press <b>ENTER</b> .	
81	Press <b>ESC</b> To back out of the Date and Time Menu.	<b>Config</b> is highlighted.
82	Press <b>←</b> or <b>A</b> to highlight <b>Alarms</b> and press <b>ENTER</b> twice.	
83	All alarms should be clear now, except the alarms noted in Steps 28, 31 and 34.	

Step	Action	Verification
84	Press <b>ESC</b> 3 times.	
85	Press <b>Y</b> At the Current System will be Logged Out. Continue (Y/N)? prompt.	You are logged out of the system.

### Technical Support

ADC Technical Assistance is available 24 hours a day, 7 days a week by contacting the ADC Customer Service Group at:

Telephone: 800.366.3891  
(toll-free in the U.S. and Canada)

E-mail: [wsd\\_support@adc.com](mailto:wsd_support@adc.com)

Knowledge Base: [http://adc.com/Knowledge\\_Base/index.jsp](http://adc.com/Knowledge_Base/index.jsp)

Web: [www.adc.com](http://www.adc.com)

### REVISION HISTORY

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01	12/1/2002	Initial Release.

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