

PROGRAM MENU FLOW CHART

- ① **FONT**
 - ② Style
 - ④ Data Process
 - ④ High Speed
 - ④ Correspondence
 - ④ Gothic NLQ
 - ④ Courier NLQ
 - ④ Graphics
 - ④ OCR-A
 - ④ OCR-B
 - ④ Italic NLQ
 - ② Char / Inch
 - ④ 10
 - ④ 12
 - ④ 13.3
 - ④ 15
 - ④ 16.7
 - ② Country
 - ④ (50 countries listed)
 - ② Special Mode
 - ④ Normal
 - ④ Bold
 - ④ Underline
 - ④ Proportional
 - ④ Double Wide
 - ② PRT Options
 - ④ Vert Expd Opt
 - ① Default
 - ① Baseline
 - ④ SScript On/Off
 - ④ Foldover On/Off
 - ④ Tall HS On/Off
 - ④ Horiz Expand
 - ④ X1 thru X8
 - ④ Vert Expand
 - ④ X1 thru X8
- ① **LPI**
 - ② 6
 - ② 8
 - ② 3
 - ② 4
- ① **FORM CONTROL**
 - ② Setup
 - ④ Length
 - ④ Top Margin
 - ④ Bottom Margin
- ① **FORMS EJECT**
 - ② Normal FF
 - ② Rear Exit
 - ② Top Exit
 - ② Retract Move
 - ④ Next TOF
 - ④ Full Return
- ① **INTERFACE OPTIONS**
 - ② Type
 - ④ Parallel
 - ② Parallel Set
 - ④ Straps
 - ① Set A
 - ④ HW Straps
 - ① Default
 - ① Set H

This menu flow chart reflects a 4842 at initialized settings and Code V Emulation selected. Variations of this menu may occur if alternate menu options are chosen.

- ① = 1st menu level
- ② = 2nd menu level
- ③ = 3rd menu level
- ④ = 4th menu level

FUNCTION MENU FLOW CHART

- ① **REVERSE FF**
- ① **RIBBON DEFINE**
 - ② Enable
 - ② Ribbon Reset
 - ④ New Ribbon Y=4 N=3
 - ② EOL Limit
 - ④ 30M thru 120M
 - ② Warning Limit
 - ④ 0M thru 20M
 - ② Disable
- ① **SOFTWARE ID**
 - ② TTLB
 - ② TTMI
- ① **SETUP**
 - ② Initialize
 - ② Recall
 - ② Store
- ① **SECURITY**
 - ② Lockout
- ① **ALIGNMENT**
 - ② Patterns
 - ④ Signature
 - ④ Amplitude
 - ④ Horiz Timing
 - ④ Vert Timing
 - ④ Intergap
 - ④ Checkerboard
 - ② Adj Amplitude
 - ④ Adjust Pattern
 - ④ Save Amplitude
- ① **FORM ADJUST**
 - ② Test Pattern
 - ② View Pattern
 - ② Set TOF
- ① **FORM ENTRY**
 - ② Form Select
 - ④ Select 0 thru 9
 - ② Form Define
 - ④ Font Style
 - ④ Char / Inch
 - ④ Lines / Inch
 - ④ Setup
 - ④ Form Length
 - ④ Offset
 - ④ Bottom Margin
 - ② Form Alignment
 - ④ Mark TOF
 - ④ Mark Offset
 - ④ View Pattern
- ① **FORM STATUS**
 - ① **HEAD SERVICE**
 - ② Head Status
 - ① **HEX DUMP**
 - ① **CLEAR SERVICE**
 - ② Power On
 - ② Print Time
 - ② Reset
 - ① **STATUS**

SMARTGRAPHICS PRECAUTION

After an initialization, it is necessary for the printer's logic software to "recognize" that the SmartGraphics (IGP/QMS) option is available. This is accomplished by immediately placing the printer "ONLINE" for at least 5 seconds after an initialization. The printer may operate incorrectly if you fail to do this.

48x2 / 49x2 INTERFACE NOTES

On 48x2 and 49x2 printers the interface selection and setup is controlled by **Printer Options Set "D"** in the program menu. Strap **D1** controls the interface type. Set **D1=Out** for serial interface in 4812 & 4842 printers. Set **D1=Out** for coax/twinax interface in 4912 & 4942 printers. Set **D1=In** for parallel interface on all 4xx2 models.

Strap **D46** controls multisource (auto-switch) interface operation. Set **D46=Out** for standard operation. Set **D46=IN** for multisource operation. Setting strap **D46=In** overrides the setting of strap **D1**.

If you make changes to any of the parallel settings, incorrect print may occur. Initialize the printer, if necessary, to return the printer to the proper parallel operating parameters.

SELF TEST PRINTING

1. Press <ON LINE> key. LCD = "Local"
2. Press and hold the <TEST / CLEAR> key. LCD = "Test"

(Printer will continue to perform self test as long as the key remains pressed)

STATUS REPORT

1. Press <ON LINE> key. LCD = "Local"
2. Press <FUNCTION> key. LCD = "FCT:Reverse FF"
3. Press <CPI / LPI> key. LCD = "FCT:Status"
4. Press <PROGRAM> key. Status report begins. Prints @ 10 CPI / 8 LPI.

INITIALIZATION

1. Press <ON LINE> key. LCD = "Local"
2. Press <FUNCTION> key. LCD = "FCT:Reverse FF"
3. Press <ON LINE> key until ... LCD = "FCT:Setup"
4. Press <PROGRAM> key. LCD = "Setup:Initialize"
5. Press <PROGRAM> key. LCD = "Self Test"

(The printer should be initialized any time firmware is changed or upgraded)

HEX DUMP MODE

1. Press <ON LINE> key. LCD = "Local"
2. Press <FUNCTION> key. LCD = "FCT:Reverse FF"
3. Press <ON LINE> key until ... LCD = "FCT:Hex Dmp Off"
4. Press <PROGRAM> key. LCD = "FCT:Hex Dmp On"
5. Press <TEST / CLEAR> key. LCD = "Local"
6. Press <ON LINE> key. LCD = "Online"

(Printer will remain in hex dump mode until the mode is disabled or the printer is powered down)

SMARTGRAPHICS MODE

(Perform steps 1 thru 3 below only after an initialization)

1. Apply power to the printer. LCD = "Local"
 2. Press <ON LINE> key. LCD = "Online"
 3. Leave printer "Online" for about 5 seconds.
 4. Press <ON LINE> key. LCD = "Local"
 5. Press <PROGRAM> key. LCD = "PRG:Font"
 6. Press <ON LINE> key until ... LCD = "PRG:SmartGraphic"
 7. Press <PROGRAM> key. LCD = "None"
 8. Press <ON LINE> key until ... LCD = "SGL:Code V Emul"
 9. Press <PROGRAM> key. LCD = "SGL:IGP Emul"
- or
SGL mode is stored.

PAPER HANDLING

- Paper is stored in the pedestal base and is fed up through two sets of push-pull synchronized six pin tractors.
- A dedicated stepper paper feed motor moves the paper forward and backwards as needed.
- The tractors can handle continuous forms from 3 to 16.54 inches (76 to 420 mm) wide and up to six part / 120# card stock.
- A paper low sensor is located at the lower left tractor.
- A paper motion sensor is located in the upper left tractor.
- A static grounded paper rack and paper shelf aid in paper stacking.
- Paper outputs through the rear of the printer. On standard cabinet models (non "i"), paper can also exit the top of the printer via the new "Top Exit" feature.

PRINT HEAD REPLACEMENT

- Disconnect power from printer and open the top cover.
- Lift the control panel slightly and to the left to disengage the hinges. Place the control panel to the side of the printer, out of the way.
- Move print gap adjust to the "LOAD" position. Remove the ribbon cartridge.
- Loosen the three knurled screws on the ribbon deck (left, center, right) and lift the ribbon deck off of the printer.
- Using the Allen wrench provided, loosen the two screws holding the print module cable covering the module you want to replace. Back the screws out until they are flush with the back of the cable cover. Lift the print cable cover to clear the screws and remove the cable by pulling and moving from side to side.
- Place the provided 3-mm Allen wrench on the guide plate in line with the module number you want to replace. Slide the wrench under the module and into the Allen screw holding the module in place. Loosen the screw about one and a half turns, and lift the print module straight up and out. Insert the new module. Press down on the wire guide barrels and tighten the Allen screw securing the print head.
- Reconnect the module cable, being sure not to miss any pins. Tighten the two Allen screws while holding the cable cover down. Place the Allen wrench back in the foam padding.
- Reinstall the ribbon deck, ribbon and control panel.
- Set the print gap adjust knob to the correct position.

OPTIONS & ACCESSORIES

Manual / Service	GEK-89240
Manual / Users	GEK-88954
Manual Programmers	GEK-89025
Manual Schematics	GEK-88987
Manual QMS Option	GEK-89150
Manual IGP Option	GEK-89149
Ribbon Cartridge (50 mil)	4A0040B02
Ribbon Cartridge (75 mil)	4A0040B05
Print Actuator 5-Pack (4x4x)	4A0626G01
Print Actuator 5-Pack (4x1x)	4A0625G01
Upgrade 48x0 to 48x2 Kit	4A1341G05
Upgrade 48x0 to 49x0 Kit	4A1344G04
Upgrade 48x0 to 49x2 Kit	4A1347G04
Upgrade 49x0 to 49x2 Kit	4A1156G04
Upper Tractor Kit	4A1390G01
Lower Tractor Kit	4A1390G02

48xx / 49xx PRINTER FAMILY

8 - ASCII (ser / par)	_____	4XXXX
9 - IBM connectivity (coax / twinax)	_____	
1 - 400 lpm	_____	
4 - 800 lpm	_____	
0 - Standard	_____	
2 - SmartGraphics (IGP / QMS)	_____	
4 - IPDS (IBM models only)	_____	
e - Standard cabinet	_____	
i - Quietized cabinet	_____	
FS - Forms Saver (standard cabinet models only)	_____	

HOW TO CONTACT GENICOM

U.S.A.

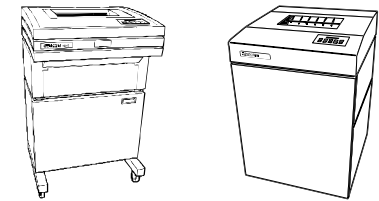
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Germany	49-6196-65990
Hong Kong	852-2805-3601
Italy	39-2-253041
Singapore	65-28-64240
Spain	34-1-351-48-99
Sweden	46-31-876-500
United Kingdom	44-1252-522500

Pocket User Guide

4812
4842
4912
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Line Matrix Printers

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