

## PROGRAM MENU FLOW CHART

- 1 **FONT**
  - 2 Style
    - 3 Data Process
    - 3 Correspondence
    - 3 Gothic NLQ
    - 3 Graphics
    - 3 Courier NLQ
    - 3 High Speed
    - 3 OCR-A
    - 3 OCR-B
    - 3 Italic NLQ
  - 2 Char / Inch
    - 3 10
    - 3 12
    - 3 13.3
    - 3 15
    - 3 16.7
  - 2 Country
    - 3 (51 countries listed)
  - 2 Special Mode
    - 3 Normal
    - 3 Bold
    - 3 Underline
    - 3 Proportional
    - 3 Double Wide
  - 2 PRT Options
    - 3 Vert Expd Opt
      - 4 Default
        - 5 Baseline
        - 5 SScript On/Off
        - 5 Foldover On/Off
        - 5 Tall HS On/Off
      - 3 Horiz Expand
        - 4 X1 thru X8
      - 3 Vert Expand
        - 4 X1 thru X8
  - 1 **LPI**
    - 2 6
    - 2 8
    - 2 3
    - 2 4
  - 1 **FORM CONTROL**
    - 2 Setup
      - 3 Length
      - 3 Top Margin
      - 3 Bottom Margin
  - 1 **FORMS EJECT**
    - 2 Normal FF
    - 2 Auto Eject
    - 2 Idletime
    - 2 Timeout Delay 5
      - 3 0 thru 90
    - 2 Start Eject
      - 3 No Data + EOF
      - 3 No Data
    - 2 Rear Exit
    - 2 Top Exit
    - 2 Retract Move
      - 3 Full Return
      - 3 Next TOF
  - 1 **INTERFACE OPTIONS**
    - 2 Type
      - 3 Parallel
      - 3 Serial
      - 3 Multisource
    - 2 Source Delay
      - 3 5 thru 255
- 2 Parallel Set
  - 3 Straps
    - 4 Set A
      - 5 1 thru 40
  - 3 HW Straps
    - 4 Default
      - 5 Set H
        - 6 1 thru 48
- 2 Serial Set
  - 3 Protocol
    - 4 DC1 / DC3
    - 4 ETX / ACK
    - 4 CD
    - 4 CA
    - 4 SCA
    - 4 None
  - 3 Word Size
    - 4 8 Bits
      - 5 8+Parity
      - 5 8+Parity No Check
    - 4 7 Bits
      - 5 7+Parity
      - 5 7+Parity No Check
  - 3 Stop Bits
    - 4 1
    - 4 2
  - 3 Straps
    - 4 Set A
      - 5 1 thru 40
    - 4 Set B
      - 5 1 thru 40
  - 3 Speed
    - 4 300
    - 4 600
    - 4 1200
    - 4 2400
    - 4 4800
    - 4 9600
    - 4 19200
    - 4 38400
  - 3 Parity
    - 4 None
      - 5 200 thru 1525
- 1 **MARGIN SET**
  - 2 Clr Margins
  - 2 Set Left
  - 2 Set Right
- 1 **HORIZONTAL TABS**
  - 2 Clear All
  - 2 Next Tab
  - 2 Previous Tab
  - 2 Set Tab x
  - 2 Clear Tab x
- 1 **VERTICAL FORMAT**
  - 2 Type
    - 3 Vertical Tabs
    - 3 Emulation VFU
  - 2 Vertical Tab
    - 3 Clear All
    - 3 Next Tab
    - 3 Previous Tab
    - 3 Set Tab x
    - 3 Clear Tab x

Flow chart continued in next column ...

## PROGRAM MENU FLOW CHART (cont)

- 1 **ENGINE OPTIONS**
    - 2 Slew Rate
      - 3 Normal
      - 3 Reduced
    - 2 Direction
      - 3 Bidirectional
      - 3 Right
      - 3 Left
    - 2 Engine Off Delay
      - 3 2 Seconds
      - 3 5 Seconds
      - 3 10 Seconds
      - 3 20 Seconds
    - 2 Print Intensity
      - 3 Normal
      - 3 High
  - 1 **PRINTER OPTIONS**
    - 2 Set A
      - 3 1 thru 40
    - 2 Set B
      - 3 1 thru 40
  - 1 **EMULATION**
    - 2 ANSI
    - 2 P-Series
    - 2 FX286
    - 2 Proprinter
    - 2 Printronix
    - 2 Dataproducts
- This menu flow chart reflects a 4840 at initialized settings and Multisource interface type selected. Variations of this menu may occur if alternate menu options are chosen.

## FUNCTION MENU FLOW CHART

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

## 4900 SERIES INTERFACE NOTES

The 4910 and 4940 printers have a parallel interface and a coax/twinax (IBM-Compatible) interface. To use this coax/twinax interface it is necessary to have the Interface Type (under INTERFACE OPTIONS) set to **Serial** or **Multisource**.

## SELF TEST PRINTING

1. Press <ON LINE> key. LCD = "Local"
2. Press and hold the <TEST / CLEAR> key. LCD = "Test"  
Self test is a rolling ASCII pattern. 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"
- LCD = "Local"  
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.

## SECURITY MODE

1. Press <ON LINE> key. LCD = "Local"
2. Press <FUNCTION> key. LCD = "FCT:Reverse FF"
3. Press <ON LINE> key until ... LCD = "FCT:Security"
4. Press <PROGRAM> key. LCD = "Security:Lockout"
5. Press and hold the <PROGRAM> key for about five seconds. Printer beeps.  
LCD = "Local"

## 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)	_____	4XXXXx
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.

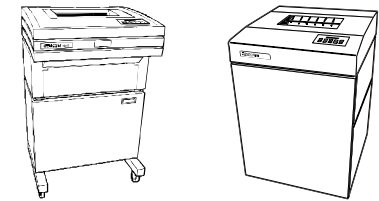
GENICOM USA .....	800-436-4266
BBS .....	540-949-1576
Technical Support .....	540-949-1031
GENICOM Web Site .....	<a href="http://www.genicom.com">http://www.genicom.com</a>
Printer Sales .....	<a href="mailto:telemarketing@genicom.com">telemarketing@genicom.com</a>
Technical Support .....	<a href="mailto:techsupport@genicom.com">techsupport@genicom.com</a>
Service Training .....	<a href="mailto:essctrain@essc.com">essctrain@essc.com</a>

### INTERNATIONAL

Product Sales .....	<a href="mailto:info@genicom-intl.com">info@genicom-intl.com</a>
Australia .....	61-2-9417-6411
Belgium .....	32-2-712-6270
Canada .....	800-268-0464
Denmark .....	45-42-421120
France .....	33-1-69-542-317
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

4810  
4840  
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*Line Matrix Printers  
with Zero Tear*

**GENICOM**