OSR

Panasonic KX-P1123 Dot Matrix Printer



Control Panel

												_
_	FONT	PROGRAM	DRAFT	COURIER	PRESTIGE	BOLD PS	SCRIPT		ON LINE			_
	- РІТСН	PROGRAM	10	12	15	17	PS		FUNCTION	SET	ROW COLUI	IN FUNCTION
Ļ.	FORM LENGHT	11"	12"	14"	8"	8.5"	11 2/3 "		QUITE			
-	ENHANCEMENT	BOLD	ITALIC	DOUBLE HEIGTH	DOUBLE WIDTH	DOUBLE STRIKE	CENTERING	QUITE	POWER PAPER OUT	ON LINE	FF LF	ENTER/EXIT
	OTHERS	LEFT MARGIN	RIGHT MARGIN	MACRO #1	MACRO #2	MACRO #3	FACTORY	D. CUT		TOF SET	MARGIN 🕨	
											MACRO READ MACRO	/RITE

Buttons/Keys

FUNCTION: Toggles printer in and out of printer mode.

QUIET/P. CUT: The **QUIET** button establishes a quieter printing condition when printer is offline. The **P. CUT** button advances or reverses paper to the line of perforation.

ON LINE/TOF:

In ONLINE mode allows communication between printer and computer. In FUNC-TION mode activates selections chosen on the Control Table and establishes Top of Form.

FF/ROW: In OFFLINE mode advances paper to the top of next form. In FUNC-TION mode advances row positions on the Control Table.

LF/COLUMN: In OFFLINE mode this button advances paper one line at a time. In FUNCTION mode this button reflects column postion as follows:

Self-test

1. Turn on power while simultaneously pressing LF button.

Cover Removal

- 1. Remove smoked plastic cover and top cover.
- 2. Remove platen knob.
- Raise printer so that bottom is facing you. Insert a screwdriver into bottom openings located on top left and right edge corners. Pry screwdriver to release hook, then separate upper unit from lower unit.
- Remove front panel by first releasing connector cable, then pull panel straight out towards you.

Configuration

Entering initial SETUP mode/Print out current settings:

- 1. Ensure printer has paper installed and power is turned off.
- 2. Turn power on while simultaneously pressing **FUNCTION** button.
- 3. Ensure all row indicators are lit or blinking.
- 4. Press SET button and the printer will print out matrix condition of printer. Resetting printer to factory default setting:
- sectory default setting:
- Press **QUIET** button. A beep will sound.
 Press the **SET** button. A beep will sound.
- Press FUNCTION button to exit initial SETUP mode.
- Functions of Row and Indicator lights for Control Panel

Use the ROW/FF and COLUMN/LF buttons to move around in selections.

A lit indicator shows the current position.

A blinking indicator relects postition that is not in use.

When C1 in the first column is on for **FONT** or **PITCH** the printer is in PROGRAM mode which will then allow software to determine font and pitch selections.

LEDs/Lights

ON LINE/FUNCTION: Indicates printer is online (on) or in FUNCTION mode (blinking).

QUIET: Indicates printer is in QUIET mode.

POWER/PAPER OUT: Indicates printer is receiving power (on) or out of paper (blinking).

ROW lights: Indicates the current selection.

COLUMN lights: Indicate the current selection.

	OW In ator (I		COLUMN Indicator (C)							
R1	R2	R3	C1	C2	C3	C4	C5	C6		
ON	ON	ON	Print current matrix							
ON	OFF	OFF	A.Epson Epson IBM GI IBM G2 Italic Graphic							
ON	ON	OFF	B.Draft	Courier	Prestige	Bold PS	Script			
OFF	ON	OFF	C.USA	France	Germany	England	Denmark 1	Sweden		
OFF	ON	ON	Italy	Spain I	Japan	Norway	Denmark 2	Spain 2		
OFF	OFF	ON	Latin America	Legal						
BLK	BLK	BLK	Print Current Condition							
BLK	OFF	OFF	D.Buffer	E.Cut Sheet Feeder	F.Buzzer	G. Zero Slash	H. A.G.M.	I.Date Length		
OFF	BLK	OFF	J. 150	300	600	1200	2400	4800		
OFF	BLK	BLK	9600		K. No Parity	Ignore Parity	Odd Parity	Even Parity		
OFF	OFF	BLK	L.Pro- tocol M.S.D.T.		N.R.D.T.	O. Signal Polarity				

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The following are definitions for table letterings:

- 1. Printer emulation and CHARACTER SET mode: LQ-850 Italic (Epson LQ-850 emulation, Italic character set) LQ-850 Graphic (Epson LQ-850 emulation, Graphic Character set 1)
- Proprinter X24G1 (IBM Proprinter X24 emulation, Graphic character set 2) 2. This determines print font mode. Printer has to be in PROGRAM mode in Control Table to establish default font settings.
- Five different fonts are possible: Draft, Courier, Prestige, Bold PS, and Script. Selects one of the international character sets listed in table. 3.
- Establishes Download Buffer Control Mode (Individual) (KX-P43 must be 4. installed).
 - ON (Download is available)
 - OFF (Download is not available)
- Cut Sheet Feeder Mode (Individual) (KX-P37 must be installed and Paper 5. Feed Selector in the "F" position).
 - ON C.S.F. installed
 - OFF C.S.F. not installed
- Buzzer sound control mode (Individual) (Only available in BEL command). 6. ON - Buzzer sounds
 - OFF Buzzer will not sound
- 7. Zero Font Mode ON - Zero
 - OFF Zero slash
- 8. Alternate Graphic Mode (AGM) (Individual)(Only available when in IBM Proprinter X24 mode).
 - ON Alternate Graphic mode ON OFF Alternate Graphic mode OFF
- Data length (Individual) 9.
 - ON 7 bit data
- OFF 8 bit data 10. Print Direction (Image Print) Mode (Individual) ON - Unidirectional printing
 - OFF Bidirectional printing
- 11. Skip perforation (Individual)
 - ON Skip perforation 1 inch OFF - No skip
- 12. Automatic Line Feed Mode (Individual) (Status can also be changed thru software commands).
 - ON CR + LF
 - OFF CR only
- 13. Paper Out Detector Mode (Individual) (If using Cut Sheet Feeder this selection must be ON).
 - ON Detector is active
 - OFF Detector is disabled
- Automatic CR Mode (Individual) (Only available when in IBM Proprinter X24 14. Mode)
 - ON Allows automatic CR on LF, VT, ESC+ "J" OFF Prevents automatic CR on LF, VT, ESC+ "J"
 - Baud Rate (KX-PS10 with RS-232C serial interface board must be used).
- 15. Establishes one of seven baud rates listed in table
- Parity Control Mode (Group) (KX-PS10 with RS-232C serial interface board 16. must be used).
 - Establishes one of four parity control selections listed in table

Common Problems and Fixes

Power supply malfunctioning:

- Check AC voltage output connector at CN1 Check resistance values of transformer Check both fuse and coil on primary board
- Check diode (+36 VDC) D1 D4
- May need to also check +5 VDC
- Ensure R21, 22 and Q21 are normal
- Check for correct voltage of D6
- Check voltage output at IC3
- Check coil at L4
- Check waveforms at power ON from CT(pin 3), E(pin 9) and Vref(pin2) of IC3 Check waveform at power ON from connection of Q3 Check waveform at base of Q2 (Replace Q1 and Q2) Ensure D23 and L2 are normal (Replace R20) Check voltage of D31 (Replace IC3)

Carriage malfunctioning:

- Carriage gets stuck in left position
- Check control P.C.B.
- Carriage gets stuck in right position
- Check mechanism
- Check motor
- Readjust carriage belt
- Check CPU periphery
- Carriage will not move at all Check mechanism
- Check motor
- Check carriage drive system
- Check CPU periphery
- Problem with control panel
 - Will not go into online condition
 - Check ON LINE button

- Check motor
- Check carrige drive system Check CPU periphery
- LF and FF buttons will not function properly
- Check LF and FF buttons
- Check paper feed drive circuit
- Check CPU periphery

Check stepping motor

Problem with paper feed:

Check voltage of Q4. Should be around +36V (if not replace F3) If CPU 69 "L" at FF button is OFF do the following:

- Ensure IC11 is normal
- Replace ROM and RAM
- Check and replace CPU if above steps produce no results
- If CPU 69 "L" at FF button is ON do the following:
- Ensure IC11 is normal
- Ensure Q13 is normal Ensure Q14 is normal
- Ensure CPU 63 69 is normal

Field Replaceable Units (FRUs)

Description	OEM P/N	IBM P/N
PAR, 240 CPS, 24 Pin Matrix	KX-P1123	22H1161

Service Documentation

There is no service documentation available to be ordered at this time.

IBM machine type: 1515-P85

Tech Support 800-877-7764