

User's Manual

PRP-058 Series **Receipt Printer**



Contents

1. Unpacking	1
A. Standard Package.....	1
B. Models.....	1
2. Specifications	1
3. Indicators and Connections	2
A. Front View of the Printer.....	2
B. Rear View of the Printer.....	2
C. Loading Paper Roll.....	3
4. Self Test of the Printer	3
5. Pinouts	4
A. Serial Connection.....	4
B. Parallel Connection.....	4
C. Power Input.....	4
D. Cash Drawer Port.....	4
6. Command Set	5

1. Unpacking

A. Standard Package

1) PRP-058 receipt printer	1 set
2) User's manual	1 piece
3) Cable (serial or parallel cable)	1 piece
4) Power adapter (8.8VDC output)	1 piece
5) Driver CD disk	1 piece
6) Paper roll	1 piece

B. Models

- 1) PRP-058-S (serial interface)
- 2) PRP-058-P (parallel interface)

2. Specifications

Print Method	Direct thermal
Paper Width	57.5 mm \pm 0.5 mm
Effective Print Width	48 mm
Print Speed	Approx. 50 mm/sec or 14 lines/sec
Print Head	Print density: 384 dots/line or 8 dots/mm Print dot space: 0.125 mm Print life: 50 km Overheat suspension protection
Interface (Serial)	Dsub 25-pin female connector 9600 bps, none, 8 bits, 1 stop bit RTS/CTS and Xon/Xoff protocol
Interface (Parallel)	Dsub 25-pin male connector 8 bits, BUSY protocol
Cash Drawer Port	DC 12V/1A, 6-wire RJ-11 socket
Net Weight	760 g (without cable and paper roll)
Dimensions	185mm(L) x 116mm(W) x 93mm(H)
Operating Environment	Temperature: 0°C - 50°C Humidity: 10 - 80% RH
Power Input	DC 8.8V/3.5A
ASCII Character	12 x 24 dots, 1.25 mm(W) x 3.00 mm (H)
Print Commands	ESC/POS
Paper Type	Thermal
Paper Model Number	TF50KS-E (Japan Paper Co. Ltd.) AF50KS-E (JUJO Thermal)
Paper Parameters	Width: 57.5 \pm 0.5 mm Max. diameter: 50 mm Thickness: 53-60 g/m ²

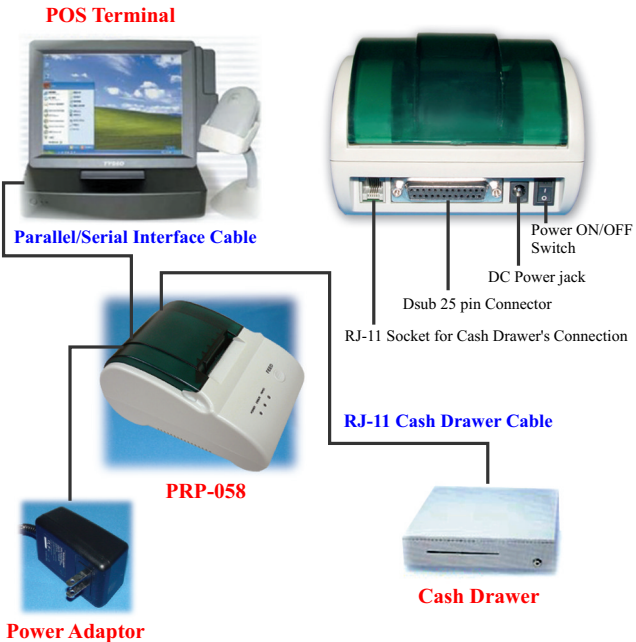
3. Indicators and Connections

A. Front View of the Printer

- Power Indicator** Shows power on/off status.
- Error Indicator** Indicates the printer error(s).
- Paper Indicator** Indicates out of paper or printer cover is not close properly.
- Feed Button** Press the FEED button to feed roll paper.



B. Rear View of the Printer



C. Loading Paper Roll



1) Open the top cover.



2) Place the paper roll in the paper compartment. Pull the leading edge of the paper roll straight to pass the front panel of the printer.



3) Close the top cover and make sure the cover roller placed firmly on the printing paper which pull from paper roll.

4. Self Test of the Printer

- Power up the printer while pressing and holding down the Feed button. Power Indicator comes on.
- Release the Feed button. The printer prints out a successful test page.

SELFTEST

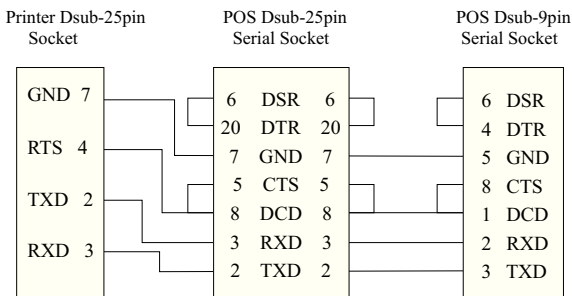
Version: X.XG
Modify date: XXXX / XX / XX
Interface: Parallel
Print speed: 50mm/s
Rom:

Barcode Type:

UPC-A	UPC-E
EAN/JAN13	EAN/JAN8
CODE39	CODABAR
ITF	CODE93
CIDE128	

5. Pinouts

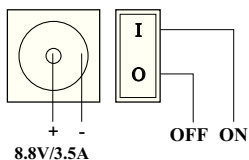
A. Serial Connection



B. Parallel Connection

Pin#	Signal	Pin#	Signal
1	/STB	10	/ACK
2	DATA1	11	BUSY
3	DATA2	12	GND
4	DATA3	13	SEL
5	DATA4	14	/ERR
6	DATA5	15	N/C
7	DATA6	16	N/C
8	DATA7	17	N/C
9	DATA8	18~25	GND

C. Power Input



PRP-058 requires DC 8.8V/3.5A power adapter.

D. Cash Drawer Port

Pin#	Signal	Description
1.	N/C	
2.	Drive Signal	Cash drawer drive signal (output)
3.	Drive Signal	Cash drawer drive signal (output)
4.	DC +12V	Output power
5.	DC +12V	Output power
6.	N/C	

6. Command Set

No.	Command	Hex Code	Function Description
1	LF	0A	Prints out buffer and advances one line
2	ESC J n	1B 4A n 18<=n<=FF	Prints out buffer and advances n lines
3	ESC 2	1B 32	Sets line space to 1/6 inch or 30 dots
4	ESC 3 n	1B 33 n 0B<=n<=FF	Sets line space to n dots, n=30 default
5	ESC ! n	1B 21 n n=00, 10, 20, 30	Sets font size, n=00 default n=10 double height n=20 double width n=30 double height and double width (This command gets overridden by ESC DC4 command.)
6	ESC SO	1B 0E	Sets double width printing for all characters subsequent to the command in a line (This command gets overridden by LF, CR, or ESC DC4 command.)
7	ESC DC4	1B 14	Resets to default font size
8	ESC c 5 n	1B 63 35 n 00<=n<=01 (Default n=00)	Enables Feed & Online buttons n=00 Disables Feed & Online buttons n=01 (The button get enabled automatically when paper roll being loaded.)
9	ESC * m n1 n2 d1 ...dx	1B 2A m n1 n2 d1...dx m=01, 21 00<=n1<=FF n2=00, 01 00<=d<=FF	Sets bit image mode m=01 8 dots double density m=21 24 dots double density n1+256*n2 total number of horizontal dots d=1 to print the dot d=0 not to print the dot x denotes the data number x=n1+256*n2 when m=01 x=(n1+256*n2)*3 when m=21
10	ESC @	1B 40	Initializes printer and sets all defaults
11	ESC P m n1 n2	1B 70 m n1 n2 m=00 01<n1<=n2 n1<=n2<FF	Generate drawer kick-out drive pulse The defined pules: On time is n1 x 2 ms Off time is n2 x 2 ms

Note: Commands detailed information can be referred from the bundled diskette.