

PP-6900/6901
Thermal Printer
User Manual

POSIFLEX



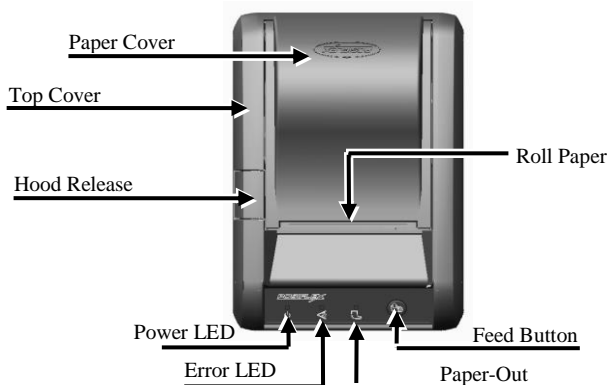
Package Contents

Printer unit (**PP-6900:** for Windows; **PP-6901:** for Android)

- ✓ Thermal sensitive paper roll of 80 mm width
- ✓ One piece of spacer plate for the paper roll of 58mm width
- ✓ One of the interface cables:
 - USB cable for PP-6900/6901
 - Serial cable with 9 pin D sub Female to 9 pin D sub Male connectors for PP-6900S/6901S series model
 - Parallel cable with 25 pin D sub Male to 25 pin D sub Female connectors for PP-6900P parallel model
 - No interface cable for PP-6900L or PP-6900W/6901W
- ✓ Power adaptor + power cord (depending on a specific country or region)

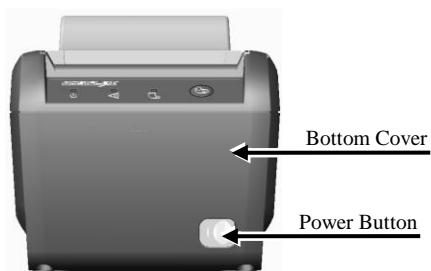
Views of PP-6900/6901

Top View

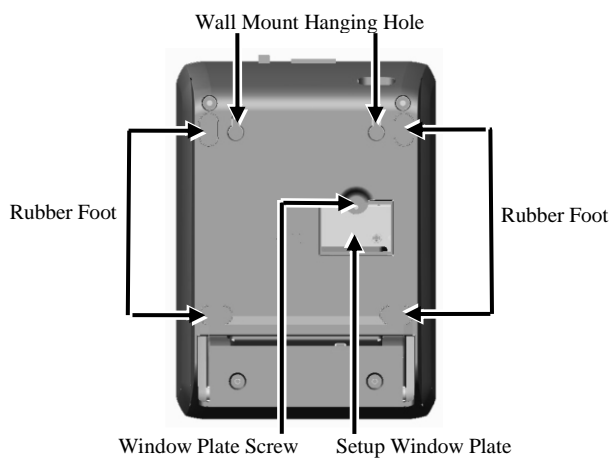


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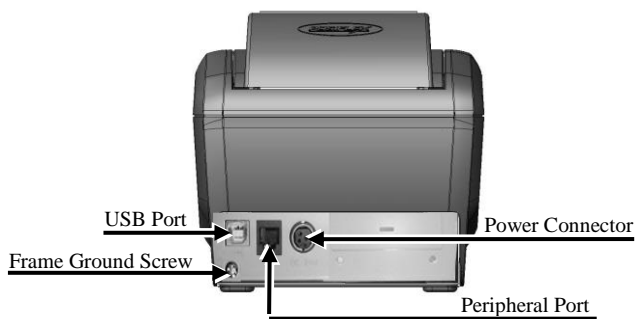
Front View

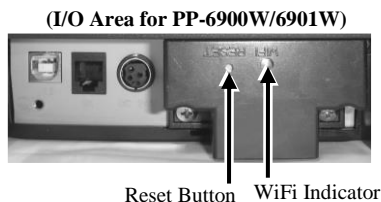
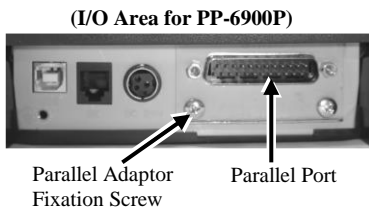
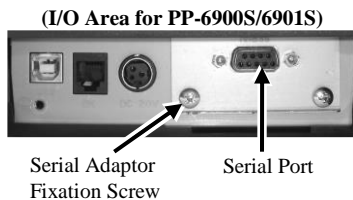
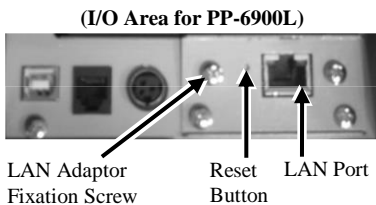


Bottom View



Rear View





Quick Start-Up

Loading a Paper Roll

While loading a paper roll for PP-6900/6901, please do NOT power ON your printer.

Start to load a paper roll according to the following steps.

1. Press down the hood release button to release the paper cover.
2. Raise the released paper cover manually and drop the thermal paper roll inside the printer as shown in the right figure.
3. It is essential to close the paper cover by pushing its middle leading edge, so as not to apply uneven force, resulting in not fully engaged activity, and make the tail of the paper roll come out of the track between the hood and the top cover. Excessive paper will be cut off automatically when the printer is

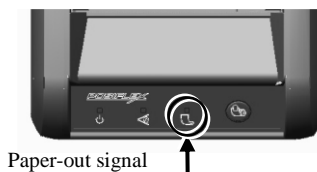


- powered ON.
4. If you want to use a paper roll of 58mm width, install the spacer plate in the compartment of the printer, as shown in the right figure, and then load the paper roll of 58mm width into the partition at the left side of the plate.



When to Replace Paper Roll

When the printer gives a paper out signal or a red line appears on the thermal sensitive paper, it is time to replace the paper roll. Do not wait till the print engine is dragging the paper roll at the very end. Remove the leftover and replace the old paper roll with a new paper roll as guided above to prevent the printer from excessive paper dust and lower the possibility of consequent paper jam.

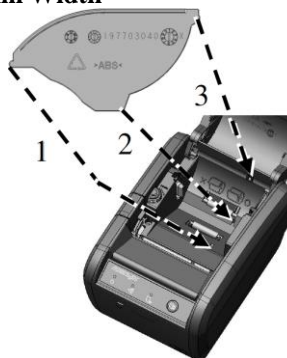


Spacer Plate Installation for Paper Roll of 58mm Width

Before installing the 58mm-width paper roll, please refer to the figure shown at the right for mounting the spacer plate to the paper roll compartment of the printer.

Note that the smooth side is toward the paper roll.

Insert the noted corners of the spacer plate into the 3 dents inside the paper roll compartment as arrowed in numeric order.



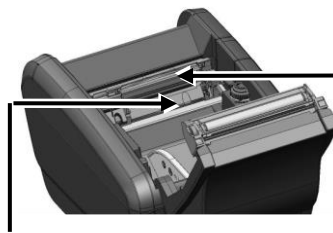
Then the 58mm-width paper roll compartment is formed.



58mm-width Compartment

Print Head Cleaning

The print head is located underneath the roll paper passage at the exit. You can clean the thermal sensitive elements of the print head and paper roll sensor gently by using a cotton swab moistened with isopropyl alcohol solvent.



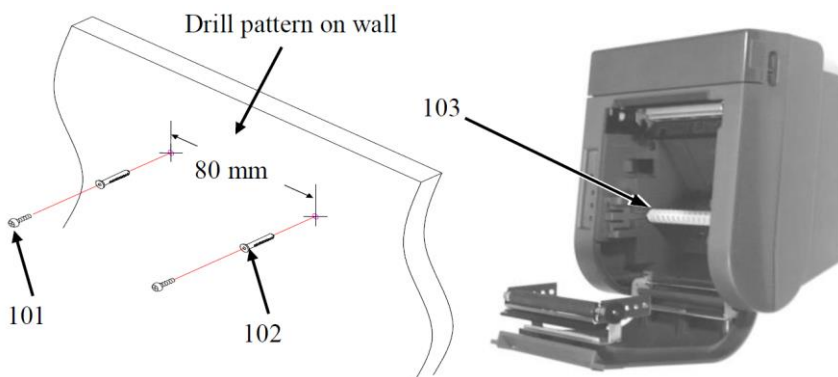
Paper Roll Sensor

Thermal Sensitive Elements

Wall Mounting Installation (Optional)

PP-6900/6901 can be mounted on the wall through the optional wall mount kits.

Wall Mount Kit Contents



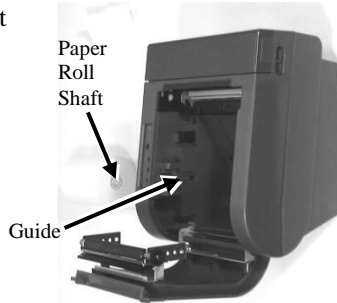
ITEM	DESCRIPTION	Q'TY
101	Self Tapping Screw 4 ϕ -25L	2
102	Pastic Cotter	2
103	Paper Roller Shaft	1

1. Please first determine a suitable area on a rigid wall surface to support firmly the weight of the printer for its wall mount application. In this area, the environmental condition should be adequate for a reliable service of the printer. Considerations include sufficient ventilation and effectively protected against unwanted contamination. Keep the printer away from direct sunshine, excessive heat or moisture. Please then follow the preparation procedures described below. Drill 2 holes 3.15" or 80 mm apart at same height on the rigid wall. Hole diameter should be 1/4" or 6.35 mm each. Hole depth should be at least 1 and 3/16" or 30 mm. Please then insert one plastic cotter into each hole leaving the flat end with hole

of the plastic cotter at the outside opening of the hole on wall. Use a hammer to tap the plastic cotter in gently if necessary. Insert the attached screws into the plastic cotter and screw in but leaving about 7 mm or 9/32" of screw neck exposed from wall surface. These 2 screws will then be used for hanging the printer. The remaining 2 sets of the screws and plastic cotters are reserves for user's convenience.

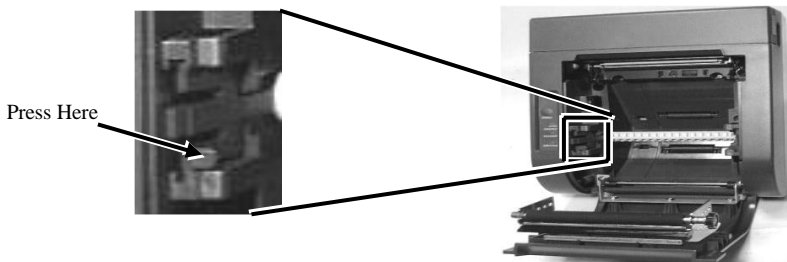
2. To prevent any confusion as a result from different paper roll position in wall mount application, please change in service window DIP switch 1 position 5 to ON. So that the printer won't respond to host as "busy" just by paper near end signal caused by this position change.

3. Next, slide the hood lock toward the front of the printer, the hood will now fully open. Insert the paper roller shaft in the paper roll and put the whole paper roll inside the printer along the guides on both sides till it clicks to hold the paper roll in position for wall mount application. Close the hood and tear off the excessive paper.



4. Now please note that on bottom of the printer, there are 2 holes 80 mm apart for hanging the printer over the screws on wall. Please make all necessary cable connections to the printer and hang it over the 2 screws on the wall. Then the printer is ready for wall mount operation.
5. When paper is used up in wall mount application, the paper roll shaft will remain locked in the printer as in the picture below. Please press the lever of the shaft holder at the point as indicated in the picture to release one end of the paper roll shaft from it. Do the same on the other end when necessary.





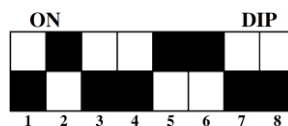
6. If the environment for wall mount application of the printer has a lot of falling contaminants, please order for a special switch cover to lay over the power switch and protect it from consequent malfunction.

The printer can only be mounted at a height of $\leq 2\text{m}$.

For detailed installation description, please refer to the relevant installation guide for wall mount kits.

Printer Setup

There are two different ways to set up PP-6900/6901. The first way of setup is implemented through the hardware DIP Switch on the bottom of printer for setting up functions such as baud rate, paper width and others. The second one is implemented through a software utility to adjust the switch, such as printer density and other functions.



Setup through Hardware DIP Switch

On the bottom cover of the PP-6900/6901 series thermal sensitive printer, there is a screwed metal plate for setup window. In this window, there is an 8-position DIP switch for printer setup. Please use a proper tool to change the switch setting, if necessary. The functions of each position may evolve with the revisions of the firmware. The information below is regarding **DIP Switch Position Behavior Table**.

DIP Switch Position Behavior Table

Switch position	ON	OFF
1~2	Baud rate definition (Refer to the table below)	
3~4	Paper Width & Printable Width (Refer to the table below)	
5	Print speed (200 mm / sec)	Print speed (170 mm / sec)
6	USB interface (Default)	Other interface
7	Auto Cutter Disable	Auto Cutter enable
8	Firmware Update Enable	Firmware Update Disable

Setup through software switch:

Another method of setting up PP-6900/6901 series is implemented through the software switch setting, which means that software utility must be used for setup of other functions.

For the above 2 setup procedures, please visit our web site

<https://www.posiflex.com/document/jumper-settings/?pmid=212,238&pid=984>
to download the **PP-6900/6901 jumper settings**.

Driver Download

Please download the relevant driver that you need from the Posiflex website

(<https://www.posiflex.com/document/driver-and-utility/?pmid=212,238&pid=984>).

Specifications

Printer

Item		Specification
OS supported		PP-6900: for Windows-based terminal PP-6901: for Android-based terminal
Printing method		Thermal sensitive line dot method
Effective printing width		64 mm / 72mm (Max.)
Thermal head configuration		512 dots line / 576 dots line
Printing speed		200 mm / sec. max.
Paper feed method		Friction auto-feed
Paper load method		Drop and use
Auto-cutter capability		Partial cut (1 point at center left)/full cut
Paper cutting method		Guillotine cutting
Manual cutter		Saw tooth blade
Dot Pitch		0.125 x 0.125 mm
Input power type		DC
Input voltage		24 V + / - 5 %
Dimension (mm)		148 (W) x 205 (D) x 143 (H)
Weight		1.2 Kg net
Life Span (at 25 °C and rated energy)	Activation pulse resistance	100 million pulses or more
	Abrasion resistance	100 km or more
	Paper cutting resistance	700,000 cuts or more
NV Bit Image Memory		24KB (max.)
NV Graphics		256KB (max.)
Receive Buffer		6KB

Media Handling

ITEM	Specification
Type	Thermal roll paper
Print Width	64 mm (512 dots/line, default)/72 mm (576 dots/line)/53 mm (424 dots/line)
Paper Width	80 (or 58) + 0 / - 1 mm
Roll Diameter (Max.)	83 mm
Paper Thickness	60 ~ 80 um
Paper Guide	Yes
Auto Cutter	Yes
Near end Sensor	Yes

Power Adaptor

ITEM	REQUIREMENT
Input voltage	100 V AC ~ 240 V AC
Input frequency	50 ~ 60 HZ
Input current	1.8 A MAX. @ 115 V AC
Output voltage	+ 24 V DC
Output power	50 W
Static load	0 A ~ 2.08A
Output regulation	+ / - 5 %
EMI standards	VDE – A, FCC – A, VCCI – A

Multiple Interface Issue

For model **PP-6900/6901**, there is only 1 connector for host connection through USB. For **PP-6900P/6901P**, there are 2 connectors for host connection: USB and in addition to parallel port. For **PP-6900S/6901S**, there are 2 connectors for host connection: USB Port and in addition to the serial port. For **PP-6900L/6901L**, there are 2 connectors for host connection: USB and in addition to the LAN port. Please always connect **only one interface at a time**. Simultaneous multiple host connections could result in unexpected results!

※ The product information and specifications are subject to change without prior notice.