

**PP-6900/6901
Thermal Printer
User Manual**



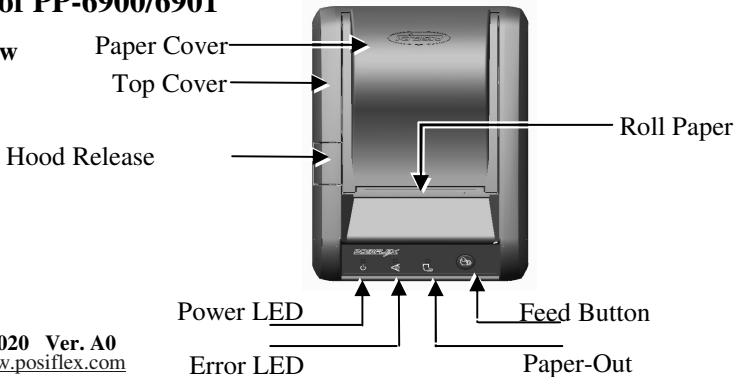
Package Contents

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 serial 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)
- ✓ User Manual x1

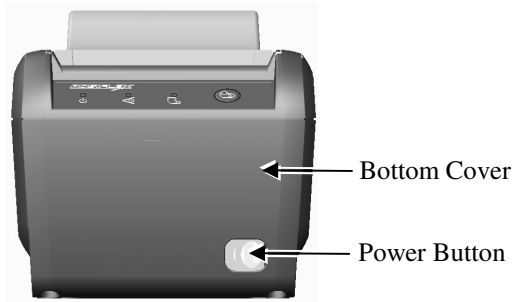
Views of PP-6900/6901

Top View

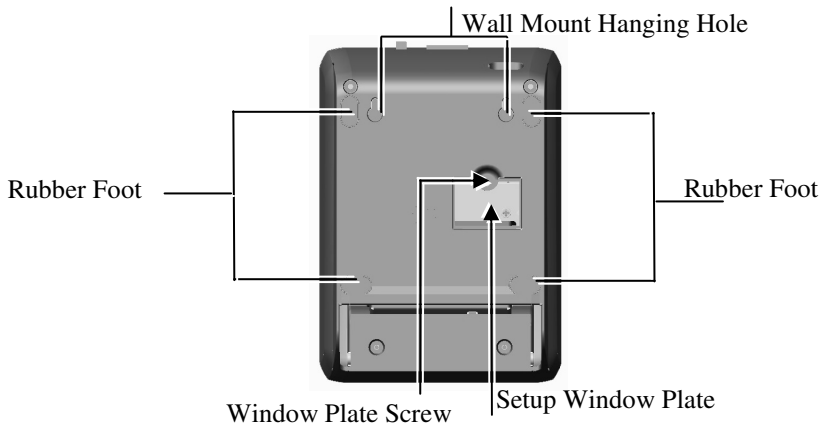


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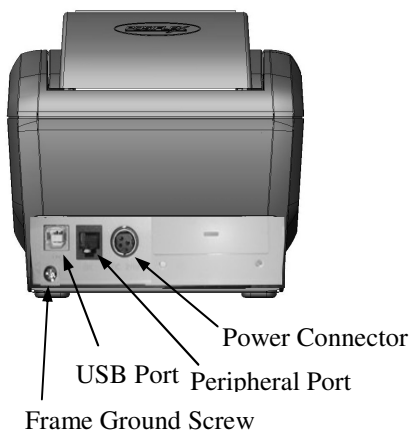
Front View



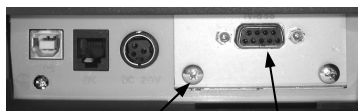
Bottom View



Rear View

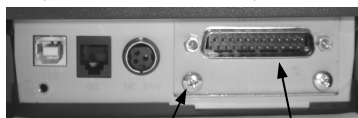


(I/O Area for PP-6900S/6901S)



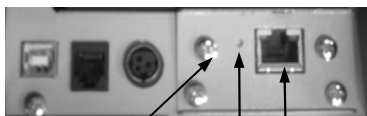
Serial Adaptor Fixation Screw Serial Port

(I/O Area for PP-6900P)



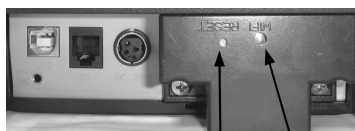
Parallel Adaptor Fixation Screw Parallel Port

(I/O Area for PP-6900L)



LAN Adaptor Fixation Screw Reset Button LAN Port

(I/O Area for PP-6900W/6901W)



Reset Button Wi-Fi Indicator

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.

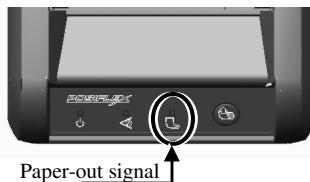


4. If you want to use a paper roll of 58mm width, install the spacer plate in the compartment of the printer, as shown in the right figure, and then load the paper roll of 58mm width into the partition at the left side of the plate.



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.



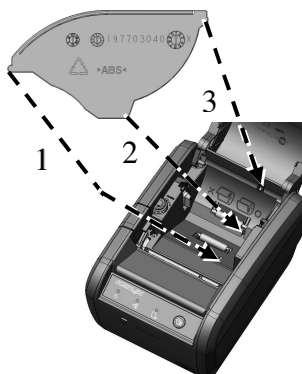
Spacer Plate Installation for Paper Roll of 58mm Width

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.

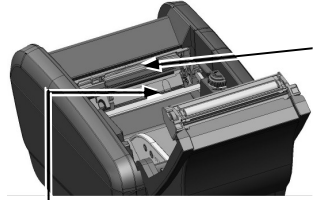
Then the 58mm-width paper roll compartment is formed.



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.

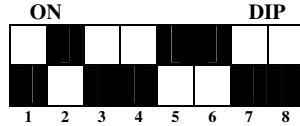


Thermal Sensitive Elements

Paper Roll Sensor

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 <http://www.posiflex.com/up/Download/download> to download the **PP-6900/6901 jumper settings**.

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
Life span of print length	100 km
Life span of paper cutting	1 million or more
Input power type	DC
Input voltage	24 V + / - 5 %
Dimension (mm)	148 (W) x 205 (D) x 143 (H)
Weight	1.2 Kg net

PAPER

PAPER TYPE	THERMAL ROLL PAPER
Paper roll formation	External side is heat-sensitive side
Paper width	80 (or 58) + 0 / - 1 mm
Paper roll outer diameter	83 mm max.
Paper roll inner diameter	12 + 1 / - 0 mm
Paper thickness	60 ~ 80 um

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!

✳ To get the detailed information on PP-6900/6901, please check this model from Posiflex Global Website (<http://www.posiflex.com/en-global/Download/download>).