

# ANYLOAD<sup>®</sup>

## PS805-B

**Thermal Receipt Printer**

**User's Manual** (V1906)



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## 1. Introduction

Thank you for choosing the Anyload PS805-B Thermal Receipt Printer. This thermal printer works with Anyload 805BS and 805TS general purpose weighing indicators. A user-friendly, plug and play, low-noise thermal printing, easy roll paper installation, easy paper jam clearance and easy maintenance for tasks such as head cleaning and thermal line printing method.

## 2. Safety Notice

- \* Read this manual before operating and/or connecting the printer.
- \* Don't touch the printer head with hard objects.
- \* Don't touch the cutter blade.
- \* Don't bend the power cord excessively / place any heavy objects on it
- \* When connecting or disconnecting the plug, always hold the plug, not the cord.
- \* Keep the printer out of children's reach.
- \* Use only approved accessories and do not try to disassemble, repair or remodel it.
- \* Place the printer on a stable surface. Choose firm, level surface to avoid vibration.
- \* Don't let water or other foreign objects go inside the printer.
- \* Don't connect a telephone line into the peripheral drive connector.
- \* We suggest you unplug the printer from the power outlet if not in use for a long period.
- \* If there is a paper jam, switch off and unplug the printer, wait for 10 seconds to let the printer head cool down before removing the paper.
- \* Do not place in a humid and/or dusty environment.
- \* Use only appropriate roll paper.
- \* Don't use roll papers with end-of-roll glued on the reel. The printer might not able to track the end and might damage the printer.
- \* Don't use paper rolls without reel either. It might cause paper jam due to not enough weight when running close to the end of the roll.

## 3. Main Features

- \* Plug-and-play, user-friendly.
- \* Low-noise thermal printing.
- \* Easy paper-roll installation.
- \* Easy paper jam clearance.
- \* Easy maintenance for tasks such as head cleaning
- \* Works with Anyload 805TS and 805BS Weighing Indicators

## 4. Before You Start

### 4.1 Checking What's in the Box



PS805 Thermal Receipt Printer



User Manual



Power Cable

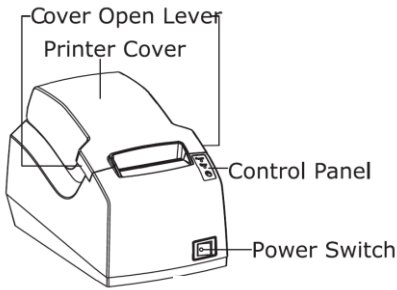


Power Adapter

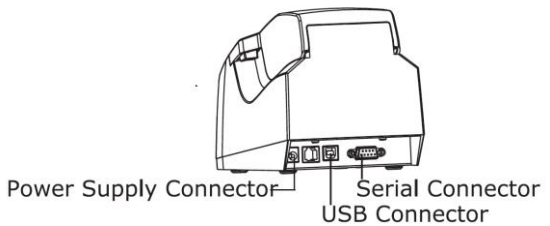
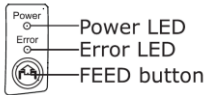


Interface Cables

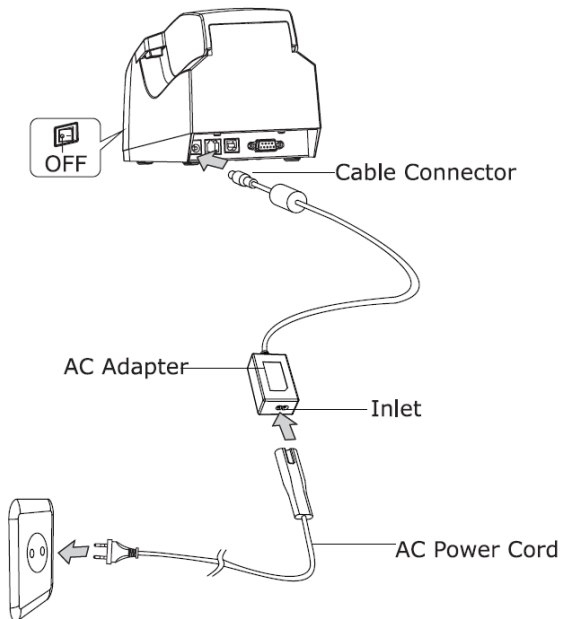
## 4.2 About the Printer



### • Control Panel



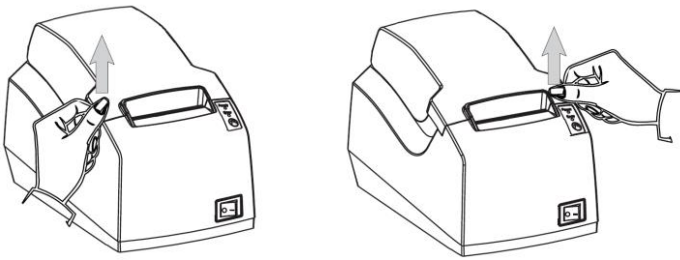
## 4.3 Connecting the Power Supply



- Switch off the printer power
- Plug in the cable connector of the AC adapter to the power connector at the rear of the printer
- Connect the AC power cord to the inlet of AC adapter, and insert the AC power cord plug into a suitable wall outlet

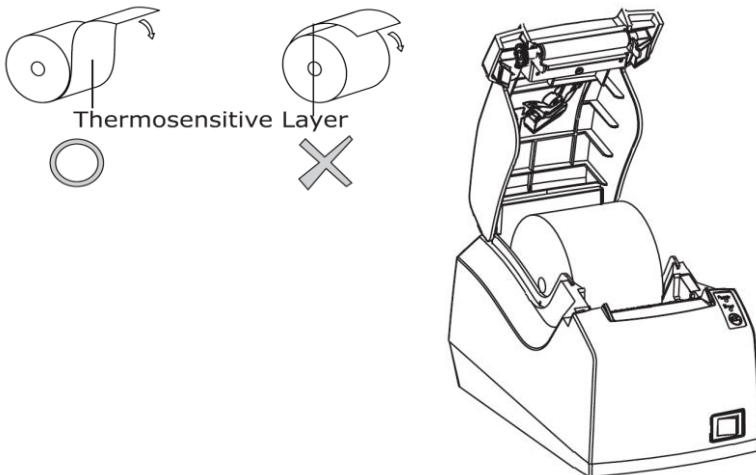
## 4.4 Opening the Printer Cover

Open the printer cover by pressing up one side of cover open lever.

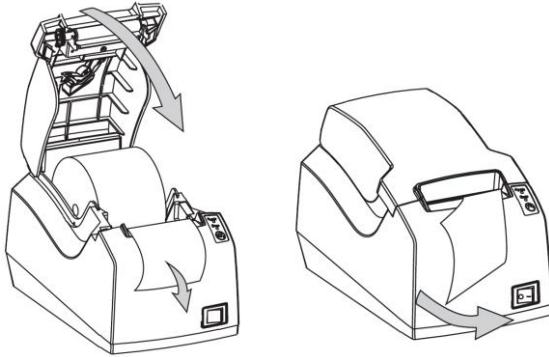


## 4.5 Installing the Roll Paper

- Open the printer cover
- Remove the used roll paper, if there is one
- Install the roll paper in the correct direction as shown in the figure below



- Pull out some roll paper and press down the center of the printer cover to close the cover
- Tear off any excess paper in the direction of the side of the printer



**Note:**

- \* Use only high quality thermal paper roll with appropriate size and within the specification.
- \* Roll paper that is too wide or too narrow might cause paper jam.
- \* Using low quality thermal paper roll might result a poor print out and/or may reduce the life of the printer head.
- \* Don't press the FEED key when out of paper to prevent damaging the printer head.
- \* Don't pull the paper out by hand.
- \* Close the top cover gently.

## 5. Maintenance

### 5.1 Cleaning the Printer Head

After using the printer for a long period of time, the print out might be faded or not clear. The printer may require cleaning maintenance.

1. Make sure the power cord is unplugged and the interface cable is disconnected.
2. Open the top cover and remove the paper roll from the printer.
3. Wait for 10 seconds to let the printer cool down.
4. Use a cotton swab, dip with alcohol and wipe the printer head gently.
4. Wait until the alcohol on the printer head completely evaporated, reload the thermal paper roll, close the cover and reconnect all cables.
5. Check if the print out has improved.
6. Repeat the above steps if necessary. If the problem persists, contact your technical support.

*Never use sand paper, cutter, screw driver or any hard object to scratch the printer head. These will permanently damage the printer head.*

## 5.2 Cleaning the Paper Scraps

After a long period of use, paper scraps are accumulated around the printer head area. Paper scraps left at the gears might result in damaging the gear system therefore, regular cleaning is required.

1. Make sure the power cord and interface cables are unplugged or disconnected
2. Use a soft brush to clean up paper scraps around the cutter blade.
3. Open the top cover and remove the paper roll from the printer.
4. Use air brush to blow away the paper scraps on the gear system. Use a soft brush also to remove paper scraps around the printer head.

### Note:

\* It is recommend to do the paper scraps cleaning twice a month if printer is using a low quality thermal paper roll and/or the printer is used very often.

## 5.3 Handling the Printer



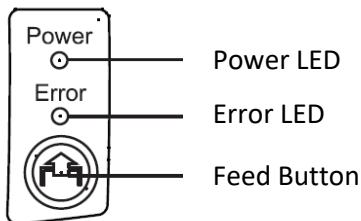
Use both hand to hold the base



Never lift by holding the top cover

## 6. Operating the Printer

### 6.1 Keys & Indicators on Front Panel





Power LED: Green light means printer is on

Error LED: Red light means error has occurred at the printer

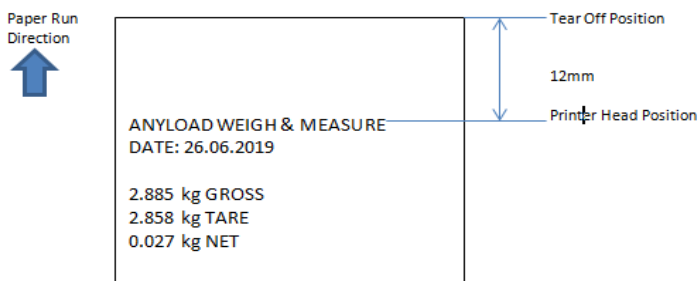
Feed button: Pressing and holding this button will run the paper

## 6.2 Possible Causes the Error LED will light on

- Out of Paper – replace roll paper
- Printer Offline – connection error with other DTEs
- Printer head over heat – Let the printer cool down, it will resume automatically
- Thermal Printer Head error – Non-recoverable. Send the unit to authorized dealer

## 6.3 Printing & Tearing off Position

The distance between the tear off position and the printing position is 12mm



## 7. Specifications

Print Method:	Direct Thermal Line Printing
Paper Roll Width:	58mm
Paper Roll Diameter:	Max. 83mm
Paper Thickness:	0.056 -0.1mm
Effective Print Width:	48mm
Print Density:	8 pt/mm; 203dpi
Print Speed:	100mm/second
Printer Power Input:	DC12V, 2A
Working Environment:	0~40°C; 20~85% RH
Storage Environment:	-20~70°C; 5~95 RH%
Reliability (MCBF):	100km TPH Life
Dimensions:	114 (W) X 186 (D) X 128 (H) mm

## 8. Communication Interface

### 8.1 USB

The PS805-B can be interface to PC using the USB interface

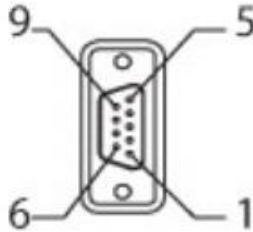
### 8.2 CASH DRAWER ETHERNET

The PS805-B can be connected to a Cash Drawer using its Ethernet interface

### 8.3 SERIAL (DB-9)

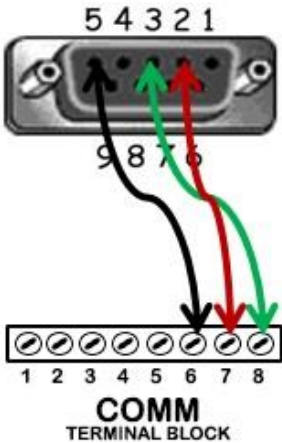
The PS805-B can also be connected directly to a PC using this DB-9 serial interface. This is the interface to be used to connect this printer to Anyload’s top of the line weighing indicators like 805TS, 805BS, 805HP and DD-KC1. The PS805-B can also work mostly to any brands of weighing indicators in weighing industry.

- RS232C compatible
- Support RTS/CTS and XON/XOFF
- 9-pin female D



PIN	SIGNAL	SOURCE	DESCRIPTION
1	-	-	
2	TXD	PS805	PS805 transmit status signal to PC or indicator
3	RXD	PC or weighing indicator	PS805 receives data from PC or indicator
4	RTS	-	
5	GND	-	Common ground
6	-	-	
7	-	-	
8	-	-	
9	-	-	

**8.3.1 Connect to 805TS/805BS Indicator or to a compatible weighing indicator**



FEMALE DB-9 CONNECTOR FROM PS805-B PRINTER					
1	-	4	-	7	-
2	TXD	5	GND	8	-
3	RXD	6	-	9	-

SERIAL COMMUNICATION TERMINAL BLOCK OF 805BS / 805TS INDICATORS ( 805TS-B-17 / 805BS-B-17 & later models )					
1	485-	4	1RXD	7	2RXD
2	485+	5	1TXD	8	2TXD
3	1GND	6	2GND		

**Note, use only the terminals 6 to 8 to connect your RS232 printer**

*For older models of 805TS & 805BS ( 805TS-B-16 / 805BS-B-16 & older ), use the terminals 4, 5 & 6: 4=TXD, 5=RXD, 6=GND*

SET THE FOLLOWING PARAMETERS OF 805BS / 805TS INDICATOR:

1. Baud Rate should be 9600
2. Mode of Transmission should be “Upon Request”

For the compatible weighing indicator, set the Baud Rate to 9600 and Mode of Transmission to “Upon Request”. Refer to the diagram above for the wirings. The TXD signal from indicator goes to the RXD of the printer and the TXD signal from printer goes to the RXD of indicator. Use the GND to complete the connection.

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