

POS Thermal Receipt Printer

A400 PRIME

POSBANK[®]

This user manual contains information on how to use and operate the product.
 Read the user carefully before using the product.
 The performance of the product is subject to change without prior notice.

Warranty and Support

- The link to the company website is <https://www.posbank.com/>
- Resources such as the latest drivers, firmware, and user manuals can be downloaded on the website.
- POSBANK Co., Ltd. does not provide any warranties, including implied warranties regarding unauthorized forms of sales activities or suitability issues beyond those explicitly permitted.

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Certificate Mark

기호	의미
	CE MARK This device complies with the requirements of the EEC directive 2004/108/EC with regard to "Electromagnetic compatibility" and 2006/95/EC "Low Voltage Directive".
	FCC This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference. (2) This device must accept any interference received, including interference that may cause undesired operation.
	KC Korea Certification mark.
	WEEE Recycling and disposal of electric and electronic devices and their components This product should not be mixed with other commercial wastes for disposal.

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I. Revision Record

Version	Date	Remarks
V1.0	2025.05.09	1 st Released

II. Precautions for Safety

The following information is for the user's safety and to prevent property damage. Be sure to understand the content and properly use the product fully.

Cautions

Power

- Only use genuine power cables provided by POSBANK Co, Ltd. Do not use damaged or modified cables as they could be the cause of fire and safety accidents which could damage the product and cause injury.
- Do not use the product with voltages other than the rated voltage as it could be the cause of fire, electrocution, or other safety accidents which could damage the product and cause injury.
- Do not use the provided power cable to other devices arbitrarily as it may cause fire or malfunction.
- Use the provided power adaptor. Not using the provided power adaptor may hinder the performance or explosion.
- Do not unplug the power cord with wet hands as it may cause electrocution.
- Do not forcefully bend or tug the power cord as cable damage may be the cause of electrocution or fire.
- Do not plug in and operate multiple products in one power outlet as overheating may be the cause of fire.
- Do not install or operate the product during thunder strikes as it may expose the user to overcurrent.

Installation

- Install the device in a well-ventilated area. A rise in internal temperature has the potential to cause fire.
- Do not install the product in or near the kitchen or cooking counter. Substances such as oil or steam have the potential to cause damage or deformation to the product.
- When moving the product, power off and unplug all cables including power and accessories. Cable damage has the potential to cause electrocution or fire.
- Do not place or install the power cable or the main product where heat is generated. There is a risk of fire when installed near candles, heating appliances, or places exposed to direct sunlight.
- Keep away the packing material such as plastic packaging from children's reach. There is a risk that a child may choke on the plastic packaging.
- Do not install the product or store it in an inclined position. Damage may occur due to the impact of the product falling.
- Do not install the product on unstable moving devices, stands, tables, etc. Damage may occur due to the impact of the product falling.
- Do not install the product in places prone to static electricity generation.
- Consult the place of purchase or professional before moving the product by car or installing it in an unusual place.
- Do not operate the product where there is water or high humidity.
- Keep a distance between the product and the sewing machine, welding equipment, electric stove, audio equipment, and any other equipment generating radio frequency.
- Do not place the product near or place it in heat sources such as heated floors, electric blankets, heated cookers, high-pressure containers, stoves, or microwave ovens. Doing so may damage the battery, causing overheating or injury.
- Do not connect the negative and positive terminals of the battery directly, and do not allow metal objects to touch them. The battery may malfunction.
- Do not place the product next to strongly magnetic objects. Charging may not occur or overheating may occur.

Operation

- Do not block or cover the ventilation, bottom, and rear sides for stable operation of the product. It may cause fire or malfunction.
- If a strange sound, burning smell, or smoke comes from the device, unplug the power cord and call the service center. It may cause electrocution or fire.
- Do not block or cover the ventilation with objects such as bedding, carpet, or fabric. A rise in internal temperature may cause a fire.
- Do not push any objects into the product (through vents, input ports, etc.). If any foreign substance enters the

product, power off the product, pull out the power cord and contact the service center. Malfunction, electrocution, and fire could be caused by such substances.

- When using the external ports, be sure to use the right specification. Connecting a device that does not meet the specification may cause damage or malfunction of the ports.
- Do not cause an impact on the product. The screen may become damaged and may cause fire or electrocution.
- Do not attempt to take apart, repair, or modify the product as high voltage flows inside the product, which could cause electrocution or fire.
- Do not place any object above the product. It could be the cause of the malfunction.
- Keep the product out of the reach of children. Actions such as hanging on to the product could lead to injury or death by the falling of the product.
- Do not move the product in any way by holding onto just the cables. Damage to the cable could lead to malfunction, electrocution, or fire.
- The Operating System and software installed in the product have weak security, so it is recommended for the user to install separate security software.
- Beware of using unnecessary shared folders, PC firewall settings, illegal software installations, illegal Operating Systems, and software use, accessing unknown websites, etc. Hacking or abnormal behavior could result from improper use of the product, and for such cases, POSBANK Co., LTD. is not responsible.
- Storing the product at too high or too low a temperature may cause the product to malfunction or shorten battery life.
- If you notice damage to the battery, such as swelling, dents, or leakage, stop using it immediately.
- When exposed to heat or shock, the battery may leak or malfunction.
- If battery fluid leaks, never touch it with your hands.
- If battery fluid gets into your eyes or mouth, immediately go to the nearest hospital.
- Be careful not to allow conductive foreign substances (liquid, dust, metal powder, pencil lead, etc.) to enter the power cable and battery connections. Also, do not stab the connection with a sharp object or apply excessive force. Corrosion or temporary short circuit of the power terminal may cause an explosion or fire.
- Do not store the product in a closed space for long periods or repeatedly while the power is on. It may cause a fire due to battery overheating.
- Do not modify, remove, replace, or otherwise modify the built-in battery at your discretion. It may cause electric shock, fire, or product malfunction.
- Do not attach any stickers, tags, etc. to the battery. Battery and device performance, such as dust/water resistance and shock protection, may be reduced.

Cleaning

- Do not spray water or cleaning solution directly on the product as it may damage the appearance or cause fire.
- Do not use chemical-based cleaning solutions to clean the product. It may cause damage to the product's exterior.
- When cleaning the LCD, use a soft cloth and lightly wipe.
- Do not clean the product when it is in operation. Static electricity or humidity may cause electrocution or fire.

Warning

Power

- When the device is not in use, power off the device, separate the power supply and then unplug the wall power plug.
- When connecting the power plug socket, make sure to fully assemble it. There is a risk of safety accidents due to overcurrent or the possibility of it easily coming off.
- Lay flat AC/DC power supply on the floor or table when in use. Hanging it midair or placing the connection point upwards when in use could cause malfunction by debris or humidity absorption.
- Take all packaging off the power supply before use.

Operation

- When adjusting the product angle or height of the stand, be careful not to get body parts stuck, which may cause injury. Also, extreme angle adjustment may cause the product to fall and cause injury.

- Do not place heavy objects on the product. It may be the cause of malfunction or injury.
- If the device is not in use for a prolonged period, pull out the power plug from the wall outlet. Dust builds could cause overheating, fire, electrocution, and electricity leakage.
- While the device is operating, do not lift or move it.
- Do not take apart or modify the device arbitrarily. Consult a professional for inspection and repairs as doing so could cause damage and data loss.
- When using the device for a prolonged period, be careful as the surface may become hot.
- Do not subject the product to shock. Doing so may damage the product or screen and result in data loss.
- When dealing with the PCB of the system, equip anti-static equipment. Failure to do so could hinder the performance or shorten the lifespan of the device.
- Since this is an electronic device that uses electromagnetic waves, it may cause problems in other electronic devices.
- Do not use the product near cars, hospitals, or medical devices that are affected by radio frequency waves (RF waves). If you must use the product, maintain a distance of at least 15cm.
- When exposed to severe smoke or steam, the exterior of the product may be damaged or malfunction.
- Some hearing aids may not operate properly due to the product's electromagnetic waves. Please check with the hearing aid manufacturer before use.
- Do not use the product near strong radio waves, such as speakers, large motors, strong magnets, high-voltage lines, or radio towers. Malfunctions may occur due to electromagnetic waves.
- In areas with a risk of explosion, do not disconnect the product's battery and turn off the product.
- Observe regulations, instructions, and signs in explosion hazard areas.
- Do not store or transport flammable liquids, gases, or explosive objects with the product.
- Since the battery is a consumable item, the usable time of the battery gradually decreases when used for a long time.

Cleaning

- When cleaning the device, pull out the power plug and gently wipe it with a soft cloth.
- As the exterior and the display are prone to scratches, make sure to use a soft cloth.

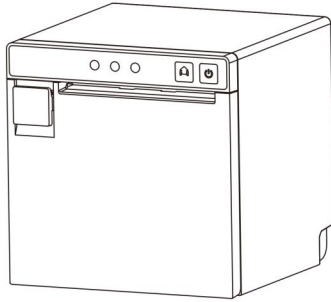
Others

- Installation, maintenance, and repair must be done through the official service center or official branch offices. POSBANK will not be responsible or provide any compensation for malfunction or system errors caused by inspection and repair through unofficial service centers.
- This product complies with CE, FCC, and KC regulations and has received electromagnetic wave certification.
- This device may be affected when placed near a radiofrequency-generating device. POSBANK is not responsible for such system errors or malfunctions.
- It is recommended to place this device far away from devices that could interfere with or disturb normal operation such as heaters, motors, fluorescent lamps, TVs, etc.
- For optimal performance, maintain the environment in which the product is installed.
- Store the device in a place where the humidity is lower than 65%, the temperature is between 10℃~30℃ and avoid direct sunlight.
- Usage of this device for purposes other than POS operations is strictly prohibited. This device does not support interface operations of regular PCs, and it is intended for business purposes rather than home use.
- Do not place the product and peripheral devices near pets. Pet debris entering the product may cause malfunction.
- Do not place the product in magnetic locations or areas subject to magnetic influences. Product malfunction or battery discharge due to magnetism may affect use.
- Be careful when using functions that generate strong light, such as games or videos. Use in a brightly lit area while maintaining a certain distance from your eyes. Additionally, if you experience symptoms such as seizures, fainting, eye or muscle twitching, loss of perception, disorientation, or involuntary movements, discontinue use immediately and consult a doctor.
- When using the product, be careful not to repeat the same actions for a long time. Pain may occur in the hands, neck, and shoulders. If you have to repeat the same actions for a long time, such as playing games or typing text messages, take breaks now and then to avoid putting too much strain on your body.
- Ensure the life of your battery and charger. If the battery is left unused for a long time, it may malfunction.
- Products that have not been used for a long time will be discharged, so charge them before use.

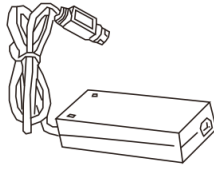
- When storing an external battery for a long period, remove it from all devices or the main body and store it separately.
- When the product is not in use, disconnect the charger from the outlet.
- Do not use the battery for purposes other than its intended purpose.
- Dispose of batteries properly according to local disposal guidelines.

III. Package Contents

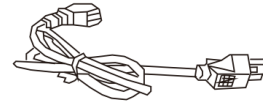
Basic Contents



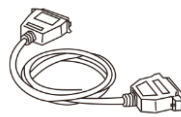
A400



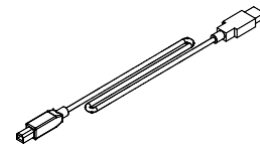
Adaptor



Power cord



Serial Cable



USB A-B Cable



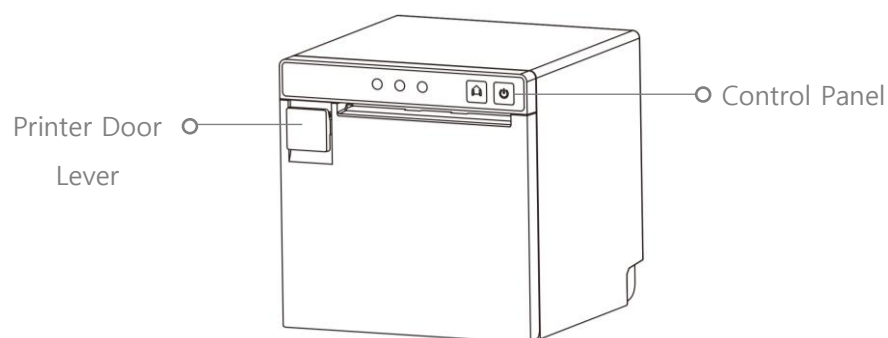
2"Partition

- ※ The power cord may differ or the adaptor may be an all-in-one unit depending on the region.
- ※ For improved performance, the contents may change without prior notice.
- ※ Above image may differ from actual product.

IV. Product Parts Name

Main Product

① Operation view



Control Panel

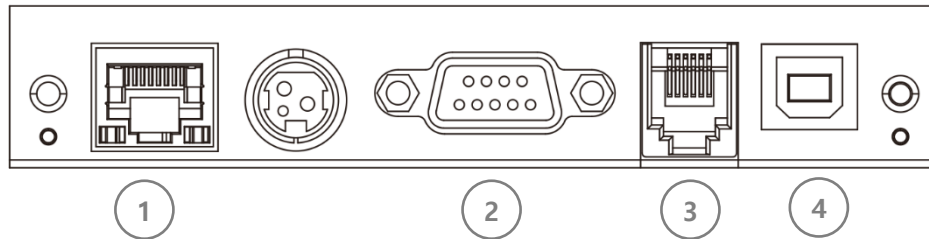
No	Name	Image
1		Power Button Press and hold for 1 second to power on. Press and hold for 1 second during operation to power off.
2		Feed Key Standby mode: Press to activate continuous paper feeding. Printing mode: Pressing the FEED key doesn't work during printing. Self-test: Press and hold the FEED key before powering on the printer, then press the power key to print a self-test page.
3		Power Indicator (Green) Solid light: Normal power connection. For Wi-Fi models: Blinking: Wi-Fi unconnected. Solid: Wi-Fi connection established.
4		Error Indicator (Red) The printer abnormally blinks to indicate operational anomalies (e.g., paper out, paper jam, print head overheating, or hardware malfunction).
5		Paper Detection Indicator (Red) Blinking: No paper detected. Off: Paper is properly loaded.

※ Optional peripherals and/or ports may change in locations and details depending on the model.

② I/O Port view

1) USE Interface / USB + Serial(DB9) + Ethernet

※ I/O Port is subject to change depending on product model, specifications, and options.



① Ethernet Interface

Pin No	Description
1	TD+
2	TD-
3	RD+
4	NC
5	NC
6	RD-
7	NC
8	NC

※ If you push the function key, IP and MAC information can be obtained.

※ Refer to the Ethernet User's Manual for more detailed information.

※

② RS-232(DB9) Interface

Pin No	Description
1	DCD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

③ Drawer Cable

Pin No	Description
1	Frame Ground
2	Drawer Kick-out Drive Signal 1
3	Drawer Open / Close Signal
4	+24V
5	Drawer Kick-out Drive Signal 1
6	Signal Ground

※ Connect the cash drawer connecting cable to the cash drawer connector located in the back of the printer.

※ **Warning**

A400 supports only Epson Cash Drawer specifications. Use a cash drawer that meets the printer specifications. Using an improper cash drawer may cause faults in the cash drawer and the printer. Make sure to use a cash drawer with an internal coil resistance of 24 ohms or higher. (The maximum current is 1A.)The open signal time for the cash drawer should not exceed 0.8 seconds. After opening the cash drawer, make sure to idle for at least 3.2 seconds (at least 4 times that of the open signal time) before operating it.

Do not connect to a communication connector such as telephone line or modem as it can damage the project.

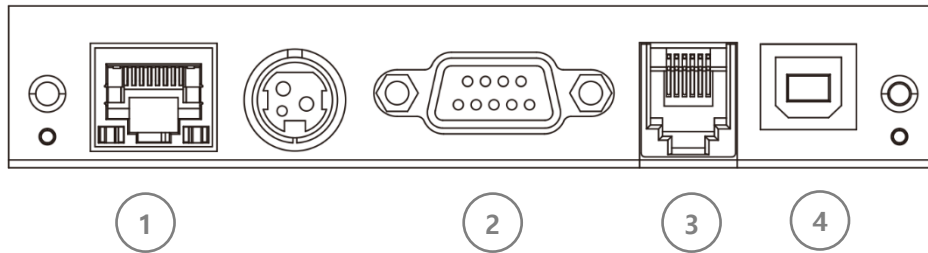
※ **Caution**

Do not connect a telephone line to the drawer kick-out connector. Otherwise, the telephone line and the computer may be damaged.

④ USB Interface

Pin No	Description
Shell	Shield
1	-
2	D-
3	D+
4	GND

2) USS Interface / USB + Serial(DB9) + Serial(RJ45)



① RJ45 Interface

Pin No	Description
1	-
2	DTR
3	RXD
4	TXD
5	-
6	RTS
7	GND
8	-

② RS-232(DB9) Interface

Pin No	Description
1	DCD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

③ Drawer Cable

Pin No	Description
1	Frame Ground
2	Drawer Kick-out Drive Signal 1
3	Drawer Open / Close Signal
4	+24V
5	Drawer Kick-out Drive Signal 1
6	Signal Ground

※ Connect the cash drawer connecting cable to the cash drawer connector located in the back of the printer.

※ **Warning**

A400 supports only Epson Cash Drawer specifications. Use a cash drawer that meets the printer specifications. Using an improper cash drawer may cause faults in the cash drawer and the printer. Make sure to use a cash drawer with an internal coil resistance of 24 ohms or higher. (The maximum current is 1A.) The open signal time for the cash drawer should not exceed 0.8 seconds. After opening the cash drawer, make sure to idle for at least 3.2 seconds (at least 4 times that of the open signal time) before operating it.

Do not connect to a communication connector such as telephone line or modem as it can damage the project.

※ **Caution**

Do not connect a telephone line to the drawer kick-out connector. Otherwise, the telephone line and the computer may be damaged.

④ USB Interface

Pin No	Description
Shell	Shield
1	-
2	D-
3	D+
4	GND

3) Other Interfaces

① Wireless LAN Interface

1) Wireless LAN Communication Specifications

Item	Specifications
Frequency	2.412~2.484 GHz
Channel	Channel 1~13
Protocol	802.11b, 802.11g, 802.11n

2) Connecting Wireless LAN

Printer can be connected to terminal devices with wireless LAN communication capability (PDA, PC, smartphone, tablet PC, etc.).

※ Refer to the Network Manual for more detailed instructions about how to establish the connection.

② Bluetooth Interface

1) Bluetooth Communication Specifications

Item	Specifications
Frequency	2.412~2.484 GHz
Channel	Channel 1~13
Protocol	802.11b, 802.11g, 802.11n

2) Bluetooth Connection

Printer can be connected to terminal devices with Bluetooth communication capability (PDA, PC, smartphone, tablet PC, etc.).

※ Refer to the Bluetooth Connection Manual for more detailed instructions about how to establish the connection.

V. Operating Instructions

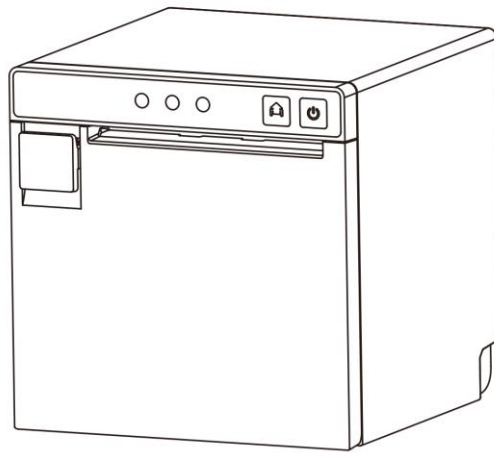
① Installing or Replacing the Paper Roll Installation

Step 1. Make sure that the printer is not receiving data; otherwise, data may be lost.

Step 2. Open the paper roll cover by raise the cover-open lever.

※ Caution

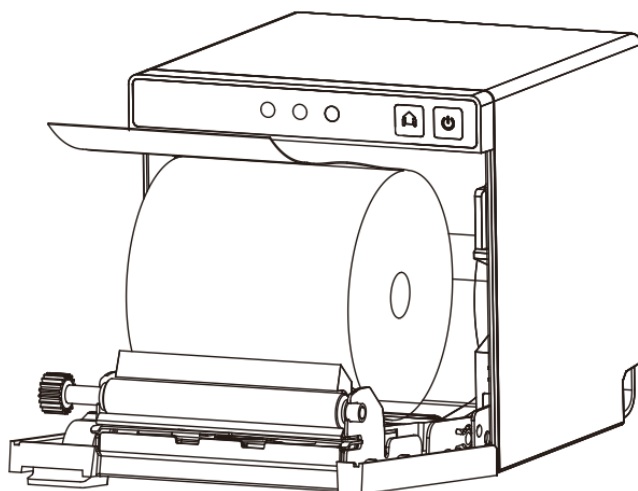
Be sure to use paper rolls that meet the specifications. Do not use paper rolls that have the paper glued to the core because the printer cannot detect the paper end correctly. Do not open the print cover while the printer is operating, otherwise the printer may be damaged.



Step 3. Remove any existing used paper roll core when replacing the paper roll.

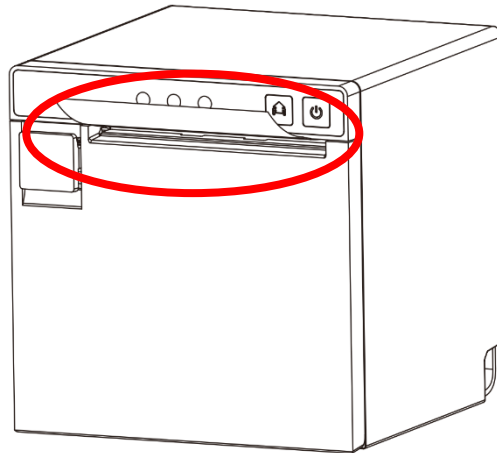
Step 4. Insert the paper roll as shown in the following picture.

※ Check the orientation of the roll paper when inserting it into the printer.



Step 5. Pull out a small amount of paper as shown in the picture, and close the cover.

- ※ When closing the cover, hold down the center of printer cover firmly so that paper roll is loaded correctly.



※ Recommended Papers

TF50KS-E (Paper Thickness: 65μm): Nippon Paper Industries Co., Ltd.

PD 150R (Paper Thickness: 75μm): New Oji Paper Mfg. Co., Ltd.

PD 160R (Paper Thickness: 75μm): New Oji Paper Mfg. Co., Ltd.

P350 (Paper Thickness: 62μm): Kansaki Specialty Paper, Inc. (USA)

P220AG (Paper Thickness: 65μm): Mitsubishi Paper Mills Limited

P220A (Paper Thickness: 65μm): Mitsubishi Paper Mills Limited

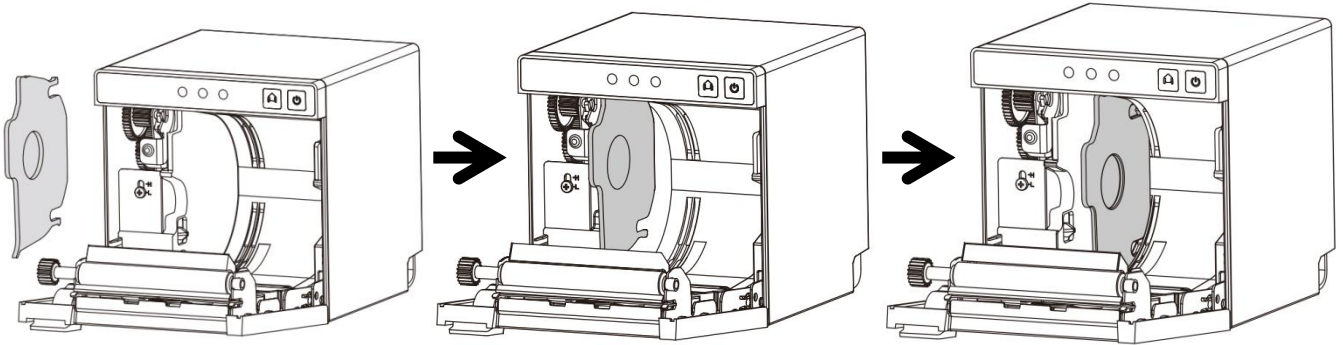
F5041 (Paper Thickness: 65μm): Mitsubishi HitecPaper Flensburg GmbH

※ Caution

Use of papers other than those recommended above may damage TPH or degrade the printing quality and our company is not responsible for the damage caused by non-recommended papers. If you have to use other products, we recommend that you use papers with a similar level of quality to the recommended ones.

② Mounting 2" Partition

Hang the partition at the front and press down the rear to mount the 2" partition as shown in the picture.



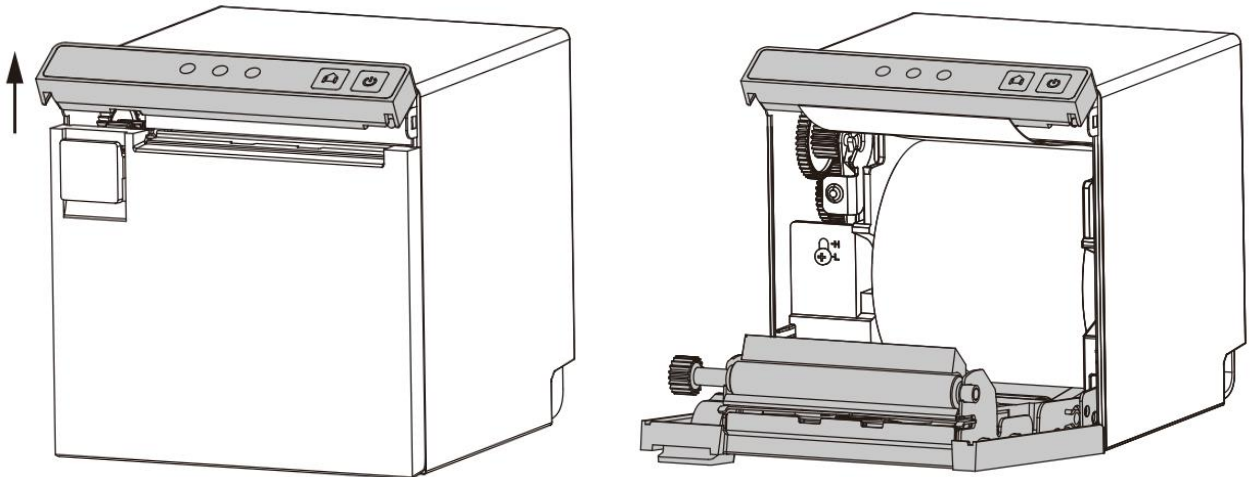
※ Caution

After using 2"(58mm) paper roll, do not replace it with 3"(79.5±0.5mm) paper roll. This may result in poor printing quality.

③ Removing Paper Jam

Step 1. When a paper jam occurs, turn the printer off and then back on, open the cover, and remove the jammed paper.

In case of a minor jam, it may be possible that the operating blade returns to the original position and cover can be opened simply by turning the printer off and then back on.



When a paper cutter jam occurs:

Step 1. Turn off the printer power key.

Step 2. Remove the front deco panel, then gently pull open the panel from the paper exit area.

Step 3. Open both the front façade and front deco panel

Step 4. Press the power key to restart the printer. The blade will auto-retract.

Step 5. Turn off the power again, securely close the front façade and front deco panel, then resume printing.

④ Connecting the computer

Use the cable that comes with the printer to connect the printer to computers.

Step 1. Plug the cable connector securely into the printer's interface connector located in the back of the printer.

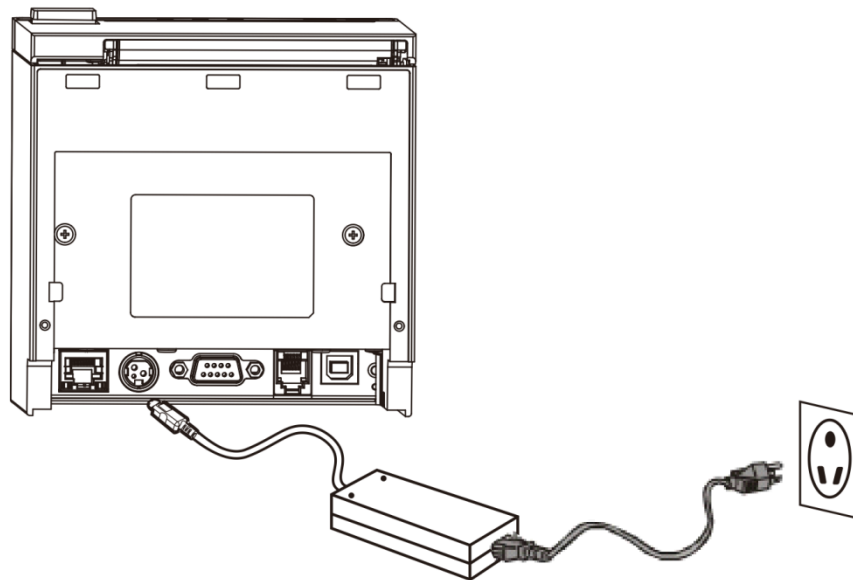
Step 2. Attach the other end of the cable to the computer.

Step 3. Connecting the Power Supply

Step 4. Make sure that the printer's power switch is turned off, and the power supply's power cord is unplugged from the electrical outlet.

Step 5. Check the label on the power supply to make sure that the voltage required by the power supply matches that of your electrical outlet.

Step 6. Plug in the power supply's cable as shown below. Notice that the flat side of the plug faces down.



※ CAUTION

When connecting or disconnecting the power supply to and from the printer, make sure that the power supply adapter is unplugged from the electrical outlet. Otherwise you may damage the power supply or the printer. If the power supply's rated voltage and your outlet's voltage do not match, do not plug in the power cord and contact your dealer for assistance. Otherwise, you may damage the power supply or the printer.

If you want to remove the power cable, grab the arrow part of the connector securely and pull it straight out.

⑤ Connecting the computer

Use the cable that comes with the printer to connect the printer to computers.

Step 1. Plug the cable connector securely into the printer's interface connector located in the back of the printer.

Step 2. Attach the other end of the cable to the computer.

VI. Self Test

The self-test checks whether the printer has any problems. If the printer does not function properly, contact your dealer. The self-test procedure is as follows:

Step 1. Make sure paper roll has been installed properly.

Step 2. Turn on the power while holding down the FEED button and the self-test begins.

Step 3. The self-test prints the current status of the printer including ROM version.

Step 4. After printing the current printer status, the printer wait for the next step after printing the following lines. (The Error and Paper light keeps blinking.)

Step 5. Press the Feed button to resume printing or hold down the button for at least one second to change the VMSM settings.

* If "Continuous SELF-TEST" is selected

Step 1. Press the Feed button for less than one second to print the preset page.

Step 2. The self- test ends automatically as it prints the following line and cuts the paper

COMPLETED

The printer goes into normal print mode upon completion of the self-test.

If "VMSM Selection" is selected

The following lines will be printed when the VMSM opens.

** Setting Mode **

1. Next Setting Page
2. Serial Baudrate
3. Serial Parity-bit
4. Serial Handshaking
5. USB Mode
6. Wireless Mode
7. Wireless Reset
8. Error Sound
9. Print Finished Sound
10. Print Speed
11. Print Density
12. Cut Mode

*** Setting Mode ***

1. Exit Setting Menu
2. Code Page
3. Int'l Character Set
4. Font System
5. Paper Width
6. Character Type
7. Multi Language
8. Handshaking Operation
9. Paper Saving Mode

Step 6. Press the Feed button to run the above function.

- (Select Options): The number indicates the number of times the FEED button needs to be pressed. Make sure to press it for less than 1 second.
- (Enter Options): Wait 1 second after pressing to enter the selected option.

Step 7. Select the parameter to be set. After the parameter is set, the system saves the parameter and prints self-test.

Step 8. The new parameters will be applied after the self-test is printed.

※ Note

If you select any items not listed above, the list of "VMSM Selection" will be printed again. Setting the mode will be canceled if no item is selected in Step 1.

※ Virtual Memory Switch Management(VMSM) Table

1st Setting Items List

Function		default
1. Next Setting Page	1. Exit Setting Menu	/
	2. Code Page	
	3. Int'l Character Set	
	4. Font System	
	5. Paper Width	
	6. Character Type	
	7. Multi Language	
	8. Handshaking Operation	
	9. Paper Saving Mode	
2. Serial Baudrate	1. 4800bps	19200bps
	2. 9600bps	
	3. 19200bps	
	4. 38400bps	
	5. 57600bps	
	6. 115200bps	
3. Serial Parity-bit	1. None	None
	2. Even	
	3. Odd	
4. Serial Handshaking	1. None	XON/XOFF
	2. XON/XOFF	
	3. Hardware	
5. USB Mode	1. Serial Emulation	Actual USB
	2. Actual USB	
6. Wireless Mode	1. WiFi SoftAP	WiFi AP
	2. WiFi Station	
7. Wireless Reset	1. Excute	W
	2. Exit	
8. Error Sound	1. No Sound	Internal Buzzer
	2. Internal Buzzer	
	3. External Buzzer	
9. Print Finished Sound	1. No Sound	No Sound
	2. Internal Buzzer	
	3. External Buzzer	
10. Print Speed	1. Level1 [250mm/s]	Level4 [400mm/s]
	2. Level2 [300mm/s]	
	3. Level3 [350mm/s]	
	4. Level4 [400mm/s]	
11. Print Density	1. Level1 [85%]	Level4 [100%]
	2. Level2 [90%]	
	3. Level3 [95%]	
	4. Level4 [100%]	
	5. Level5 [105%]	
	6. Level6 [110%]	
	7. Level7 [115%]	
	8. Level8 [120%]	
12. Cut Mode	1. No Cut	Partial Cut Only

	2. Partial Cut Only	
--	---------------------	--

2nd Setting Items List

Function		default
1. Exit Setting Menu		/
2. Code Page	1. Next Code Page 2. Page 0 [PC437: USA, Standard Europe] 3. Page 1 [Katakana] 4. Page 2 [PC850: Multilingual] 5. Page 3 [PC860: Portuguese] 6. Page 4 [PC863: Canadian-French] 7. Page 5 [PC865: Nordic] 8. Page 15 [ISO8859-7: Greek] 9. Page 16 [WPC1252] 1. Next Code Page 2. Page 17 [PC866: Cyrillic #2] 3. Page 18 [PC852: Latin 2] 4. Page 19 [PC858: Euro] 5. Page 20 [Thai Character Code 42] 6. Page 21 [Thai Character Code 11] 7. Page 23 [Thai Character Code 14] 8. Page 24 [Thai Character Code 16] 9. Page 26 [Thai Character Code 18] 1. Next Code Page 2. Page 30 [TCVN3: Vietnamese(Lower case)] 3. Page 31 [TCVN3: Vietnamese(Upper case)] 4. Page 32 [PC720: Arabic] 5. Page 40 [ISO8859-15: Latin 9] 6. Page 41 [PC737: Greek] 7. Page 42 [WPC775: Baltic Rim] 8. Page 43 [PC855: Cyrillic] 9. Page 44 [PC857: Turkish] 1. Next Code Page 2. Page 46 [PC862: Hebrew] 3. Page 47 [PC864: Arabic] 4. Page 50 [WPC1250: Latin 2] 5. Page 51 [WPC1251: Cyrillic] 6. Page 53 [WPC1253: Greek] 7. Page 54 [WPC1254: Turkish] 8. Page 55 [WPC1255: Hebrew] 9. Page 56 [WPC1256: Arabic]	Page 0 [PC437: USA, Standard Europe]

	1. Exit Code Page Setting 2. Page 57 [WPC1257: Baltic Rim] 3. Page 58 [WPC1258: Vietnamese] 4. Page 60 [PC1098: Farsi] 5. Page 61 [ArmSCII-8: Armenia]	
3. Int'l Character Set	1. USA 2. France 3. Germany 4. U.K. 5. Denmark I 6. Sweden 7. Italy 8. Spain I 9. Japan 10. Norway 11. Denmark II 12. Spain II 13. Latin America 14. Korean 15. Slovenia/Croatia 16. China 17. Vietnam 18. Arabia	USA
4. Font System	1. 42/32 CPL mode	48/35 CPL mode
	2. 48/35 CPL mode	
5. Paper Width	1. 80mm	80mm
	2. 58mm	
	3. 50mm	
6. Character Type	1. Single Byte Country	Single Byte Country
	2. Double Byte Country	
7. Multi Language	1. Korean(KS-5601)	Korean(KS-5601)
	2. Japanese(SJIS/JIS)	
	3. Traditional Chinese(GB5)	
	4. Simplified Chinese(GB2312)	
8. Handshaking Operation	1. Offline or Receive buffer full	Offline or Receive buffer full
	2. Receive buffer full	
9. Paper Saving Mode	1. Disable	Disable
	2. Level1	
	3. Level2	
	4. Level3	

VII. Hexadecimal Dumping

This function allows experienced users to see exactly what data is coming to the printer. This can be useful in finding software problems. When you turn on the hexadecimal dump function, the printer prints all commands and data in hexadecimal format along with a guide section to help you find specific commands.

- To use the hexadecimal dump function, follow these steps.
 - ① After making sure that the printer is off, open the cover.
 - ② Turn the printer on, while holding down the FEED button 1 Second.
 - ③ Close the cover, and then the printer enters the hexadecimal dump mode.
 - ④ Run any software program that sends data to the printer. The printer will print all the codes it receives.

```
1B 21 00 1B 26 02 40 40 40 40
02 0D 1B 44 0A 14 1E 28 28 28
00 01 0A 41 0D 42 0A 43 43 43
```

- A period (.) is printed for each code that has no ASCII equivalent.
- During the hex dump, all commands are disabled.

- ⑤ When the printing finishes, turn off the printer.
- ⑥ Turn on the printer and then the hexadecimal mode is off.

VIII. Specifications

Product Specifications

Printing method		Thermal line printing	
Dot density		203 dpi (8 dots/mm)	
Printing width		3 inches	72 mm
		2 inches	58 mm
			50mm
Paper width		79.5±0.5 mm	
Characters per line (default)		48 (Font A), 64 (Font B), 64 (Font C)	
Printing speed		Max. 400 mm/sec	
Receive Buffer Size		2M bytes	
※NOTE			
Printing speed may become slightly slower depending on the data transmission speed and the combination of commands.			
Supply voltage	SMPS Inputvoltage	100~240 VAC	
	Frequency	50/60 Hz	
	SMPS Output voltage	+24 VDC/2.5A	
Environmental Conditions	Temperature	0 ~ 45 °C (Operating) -20 ~ 60 °C (Storage)	
	Humidity	10 ~ 80 % RH (Operating) 10 ~ 90 % RH (Storage) ; Except for paper	
LIFE*	Mechanism Head	150 Km	
	Auto Cutter	200,000 Cut	
MCBF*	Mechanism	60,000,000 lines	

※ Specifications is subject to change depending on model, specifications, and options.

※ The specifications were determined based on operation at normal temperature using designated paper on default settings. They are subject to change depending on temperature or printing level.