

User's Manual

Rev.1.0



2 inch Mobile Printer (industrial)



<http://www.mcpay.com>

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3. Specification

1. Introduction

1.1. outline

The MPT-700 is the ideal solution for Credit card Transaction, Mobile banking system, Retail, point of sales, other industrial area needed printing, issuing, and accepting etc.

The general features of MPT-700 printer are as follows:

- □ □ Compact size 85mm(H) x 75mm(W) x 115mm(D))
- □ □ Light weight(190g) for true mobility [not included roll paper]
- □ □ Very silent printing thru direct thermal printing method
- □ □ High speed (80mm/sec, MAX)
- □ □ UART(RS232C or TTL), Bluetooth Ver2.1
- □ □ Support Magnetic Stripe Reader [option]
- □ □ SupportRF Module [option]
- □ □ Support text and graphic printing
- □ □ One touch paper cover
- □ □ Easier maintenance with selfdiagnostic.
- □ □ In field programmingUpdate Firmware, Download Fonts and Logos
- □ □ Free fall: 2 meter onto concrete
- Digital Signature Pad

1.2. Operating Precautions

Please follow the precautions below to enjoy and maintain the full performance of the printer.

1.2.1 Using the Printer

- Be careful not to drop or bump the printer on a hard surface.
- Do not install the printer in direct sunlight or such areas. Suitable environment for the use of the printer is as follows:
 - Operating temperature :-10°C to 50°C

- Relative humidity : 30% to 80%
- Do not install the printer near devices that generate strong electromagnetic fields such as a copy machine.
- Do not open the platen cover during printing.
- Do not touch the connectors of the communication during printing.
- Switch the POWER OFF when not in use.
- Do not use alcohol or other solvent.
- The AC adapter, the battery charger and the battery pack may become warm when in use. This is normal and is not a malfunction.
- When the battery pack is used at low temperature, the length of time the printer can be used may be shortened.

1.2.2 Thermal Paper Handling

- Store the thermal paper in a cool, dry and dark place.
- Do not rub the paper with hard object.
- Do not leave the paper with hard object.
- Do not allow plastic film, erasers, or adhesive tape to touch the paper for long periods.
- DO not stack the paper together with diazo and wet-type copies immediately after copying.
- Do not use chemical glue.
- Always use the clean thermal paper.

2. Installation & usage

2.1. Printer & Accessories

Your printer box should include these items. If any items are damaged or missing, please contact your dealer for assistance.



MPT-700 (Battery pack is on boarded in inside)

Except Sale [Please, make a



Battery charger adaptor

Except Sale [Please, make a purchase for charger adaptor]

Input Rating: DC7.4V, 1A



Thermal roll paper



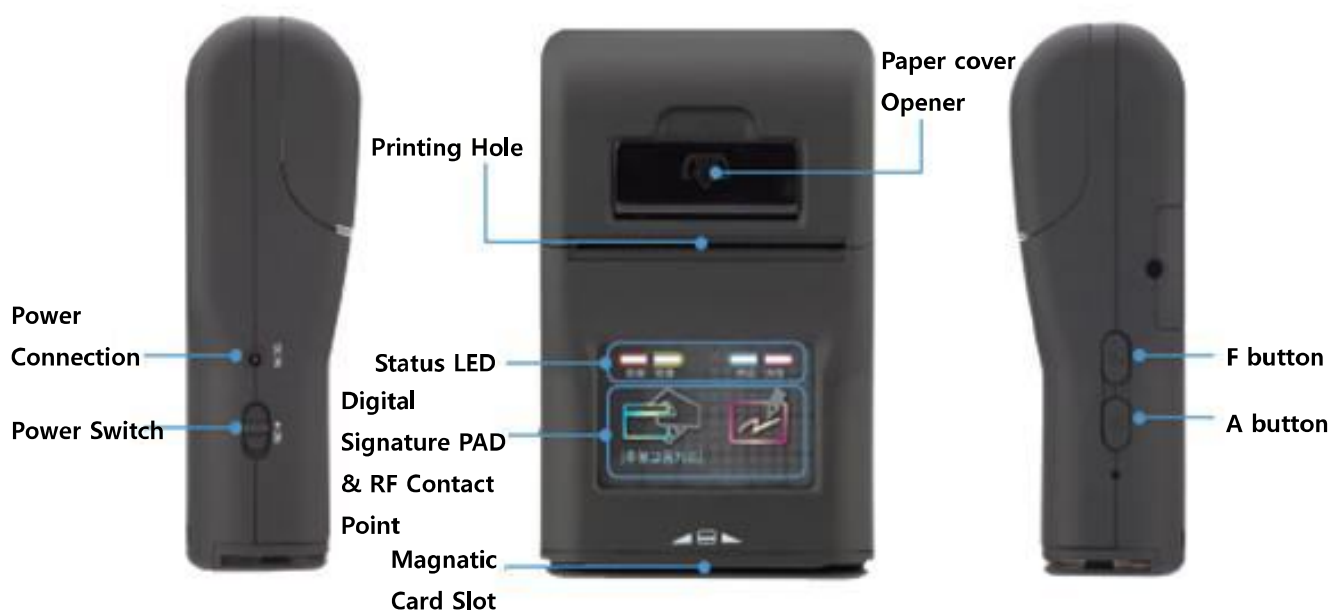
Pouch



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2.2. Printer Features

► Part Name



2.4. Replacing paper roll.

Note : 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 can not detect the paper end correctly

1. Make sure that the printer is not receiving data; otherwise, data may be lost.
2. Lift up paper cover opener as shown image



3. Insert a new paper roll as shown. (Remove any remaining core of a fully used paper roll)



4. Close the paper cover when you hear 'Tick' sound



5. Tear the excess paper off using the edge of paper door as a tear bar.

2.5. Power supply

MPT-700 is the product that battery is on boarded, therefore users should not try to separate battery from main body.

If the performance of battery will be slow down or not working, please contact with A/S Center.

For recharging the battery pack, insert the Battery Charger to the charge connector of the printer.

Except Sale [Please, make a purchase for charger adaptor]

Input Rating: DC7.4V, 1A



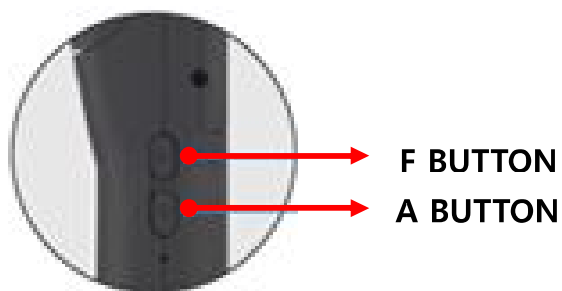
[Battery Charging Status]

LED	Charge Status	Charge Time
Red LED On (Charger)	Charging	4 hours (Full Charging)
Green LED On (Charger)	Fully Charged	
Red LED Blinking(Product)	Need to be charged	

NOTE :

- While charging the printer, turn off the printer power.
- The battery is consumable parts and when purchasing, compared to the use hour is gradually decreases. (Warranty 6 month)
- If the printer is not used for a long time, unplug the power cord from the printer and outlet.
- The recharging time depends on the voltage level and ambient temperature of the battery. Normally, it takes about 3 to 4 hours to recharge a battery pack.
- You must use only the supplied adapter.

2.6. Paper Type Changing



1. Turn on power of product
2. at the same time, Press F and A button during 3 seconds
3. Automatically, change paper mode(black mark mode or standard mode)and print the mode of presence. Whereby user can select proper paper for usage

2.7. LED & Button

2.7.1 LED



Power	Display status of POWER On OR Off . if led flick on and off, need to be charged.
Link	Display status of connection with other device. if only Bluetooth connection. Led on
Card	If flickering. Card reading available
Sign	If flickering, signing available

2.7.2 Button

[A]	NO Acting.
[F]	Paper Feeding or re-alignment of paper
[A]+[F]	Changing of paper mode(black mark or

	standard)
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2.8. Self Test

2.8.1 Test of Printing Function

In pressing button A and Turn on the power, The result of self testing will be printed.

2.8.2 Test of Card Reading Function

In pressing button F and Turn on the power, it will be converted to test acceptability of card processing. After card reading, the result of test will be printed.

3. Specification

Dimension	35mm(H) x 75mm(W) x 115mm(D)
Weight	190g (Not including paper roll)
Battery	7.4V, 1000mAh (about 1 hour continuous printing)
Battery Charger	Input : 100V ~ 240V AC, 47~63Hz Output : 8.4V, 0.65A/h (Fully charged : more than 3hours)
Paper	58mm Wide, 30mmØ, Black Mark Support
Printing Type	Thermal line
Printing Speed	80 mm/s (Maximum)
Interface	Cable(UART, TTL) Bluetooth
Card Reading	MSR (ISO 7810, 7811, 7813, Track 1, 2, 3) RF (ISO 14443, Mifare)
Operation Environment	Temperature Operating Temperature : 5 ~ 40°C Storage Temperature : -20 ~ 60°C Humidity Operating Humidity : 35 ~ 80% Storage Humidity : 10 ~ 90%
Touch PAD	4-Wire Resistive Touch panel / 500,000 Reads

FCC Information

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 interface, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try correct the interference by one or more of the following measures:

- 1.1. Reorient or relocate the receiving antenna.
- 1.2. Increase the separation between the equipment and receiver.
- 1.3. Connect the equipment into an outlet on a circuit different from that to which receiver is connected.
- 1.4. Consult the dealer or experienced radio/TV technician for help.

WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority operate the equipment.