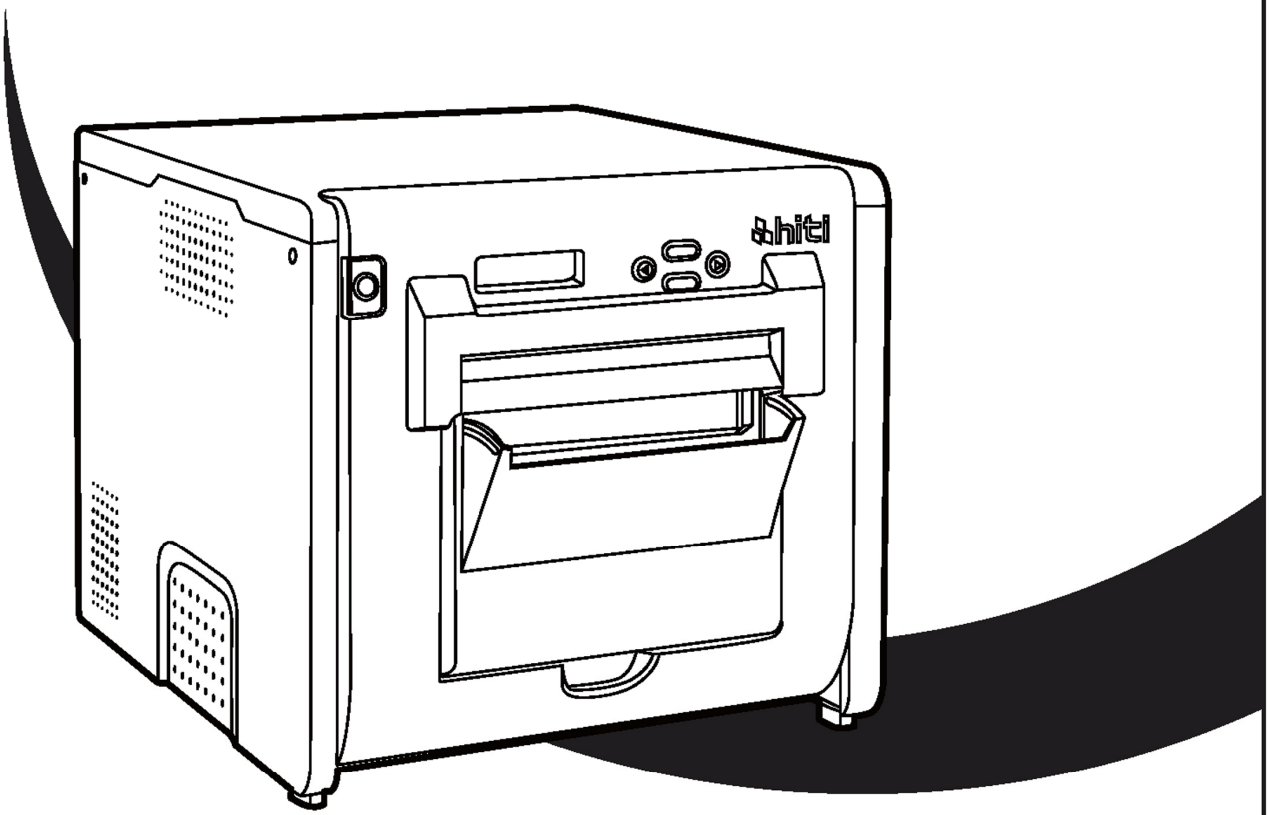
HiTi P530D

Users manual



HiTi Digital, Inc.
www.hiti.com

V_0.1

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Regulatory compliance statements

American Users

FCC Part 15

For a Class A digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual.

This equipment has been tested and found to comply with the limits of a Class A digital device, pursuant to Part 15 of the 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 instruction manual, may cause harmful interference to radio communications. Operation of the equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his (or her own) expense.

FCC ID: W5388D2435000T

European Union Regulatory Notice

The device bearing the CE marking is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. This device complies with the following harmonized European standards.

Health: EN 62311:2008

Safety: EN 60950-1:2006 + A1: 2010 + A11:2009 + A12:2011

EMC: EN301 489-1 v1.9.2:2011, EN301 489-3 v1.6.1:2013

Radio: EN302 291-1-2: V1.1.1:2005

Federal Communications Commission (FCC) Statement

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

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 and

2) this device must accept any interference received, including interference that may cause undesired operation of the device.

Chapter 1. Important safety instruction

◎ **Safety Instruction**

This manual provides detail instructions for the safety use of the printer.

Please read this manual carefully before operating the printer to ensure having proper use.

◆ In this manual, there are notes that require special attention. For your safety operation, Safety Notices are separated as follows:



: Inappropriate handing can cause the death or serious wounds.



: Inappropriate handling can cause wounds and/or physical damage to the users.

＊ Attention: Explanation about the cause of the trouble and the environmental condition.

◆ It is difficult to forecast all the danger in setting and use of the printer.
Therefore, warnings in this Operation Manual, in the other documents on the printer cannot cover all the cases. In case of performing the operation or maintenance which is not described in this manual, all the concern for the safety have to be taken care at the customer side.

◆ Operation and the notification for the maintenance described in this manual and other documents are for the proper use of the printer.
In case of using the printer for the other purpose, all the concern for the safety has to be taken care at the customer side.

◆ Do Not perform the operation which is prohibited in this manual and other documents.

◎ **Environments**

To use the printer safety, please pay attention to followings:



: Do not let kids to touch the printer or the cables. It can cause accidents or electric shock



: Do not place the printer under a humid or dusty place. It can cause a fire, electric shock or printer problem. Do not place the printer with dust, sand and high humidity such as bathing place, bathroom, hot spring or the street.



: Do not place the printer on rickety place and/or inclined place. Printer may fall down or tumble and it can cause serious injury.

＊ Attention: Keep the printer out of direct sunlight

＊ Attention: Do not put metallic objects or case/cup with any liquid on top of the printer. Water spilt on metallic items fall into the printer may cause the fire and electric shock. In case the water spilt or metallic items fall into the printer, please turn off the printer power immediately.



: Do not block the openings of the printer. In case, the opening blocked, the heat will remain inside and it can cause the fire.



: Do not insert or fall the metallic or flammable items into the printer through the openings of the printer, it can cause the fire or electric shock.

◎ **Handling Instruction**

When handling the printer, please pay attention to the followings:



: Lift the printer from its box and put it onto a flat and firm table or desk.



: The printer alone (without paper and ribbon installed) is weighted around 18Kg. Please handle the printer carefully to prevent personal injury and damage of the printer.



: When moving the printer, hold the bottom edge of the printer. It is strongly recommended to handle the printer by one to two persons during the transportation.



: Please take caution when transporting the printer on the slippery floor.

: Please make sure the power is off and the power cord is removed from the printer before transportation.

: In the cause of dropping the printer during transportation, contact HiTi dealers or service center for inspection of the printer. Using the printer with possible damage without proper inspection may cause fire or electric shock.

＊ Attention: Do not dismantle or remodel the printer. Some sections of the printer contain a high voltage or become very hot. Ignoring this warning may cause electric shock, fire, or burns.

: Secure the power cable firmly while using.

: The thermal head reached high temperature during operation but it is normal. Do not touch the thermal head by any case. Touch the thermal head may cause person injury or damage of the printer.

＊ Attention: Touching the surface of the thermal head directly may cause damage to the thermal head. Hard objects getting into the printer may cause the damage of printer or result in malfunction. In such case, please do not use the printer while any obstacle inside the printer.

: Do not attempt to service the printer beyond the instructions specified in this document. In case of irrecoverable problem, please contact HiTi dealers or service center.

: This product must be grounded at all time during operation, and always used with the specified power cable only or the power cable accompanying this product. If the product is used without grounding, and current leakage occurs, fire or electrical shock may occur, and may also cause interference to radio, TV, and other similar electric appliances signal receiving. If the proper ground is not available, please contact HiTi dealers or service center.

◎ **Handling Instruction for Consumable and Printed Outputs**

In handling the ink ribbon, paper and printed outputs, please pay attention to the followings:

∗ Attention: Paper handling

✓ Use only the duplex photo paper specified by HiTi. Do not put any other simplex photo paper in the printer. It may cause break of ribbon.

✓ Store the paper flat

✓ Store the paper in a dry and dark place to avoid the direct sunlight(Temperatures less than 30°c; Humidity less than 60%)

∗ Attention: Ink ribbon handling

✓ Use only the ribbon specified by HiTi

✓ Store the ink ribbon in cool place to avoid direct sunlight (Temperatures less than 30°C; Humidity less than 60%)

∗ Attention: Printed output handling

✓ Store the printed outputs in a cool place to avoid direct sunlight

✓ Store the printed outputs away from the organic solvent/fluid such as benzene, thinner or alcohol which may change or deteriorate the colors



: When abandon the ink ribbon, please handle it as harmful industrial waste.

Chapter 2. Accessory items

Before using the printer, please make sure the Chapter 1. Important Safety Instruction is fully-acknowledged carefully.

◎ **Accessory Item**



Paper flange



Scrap Receptacle



Power cord



USB cable

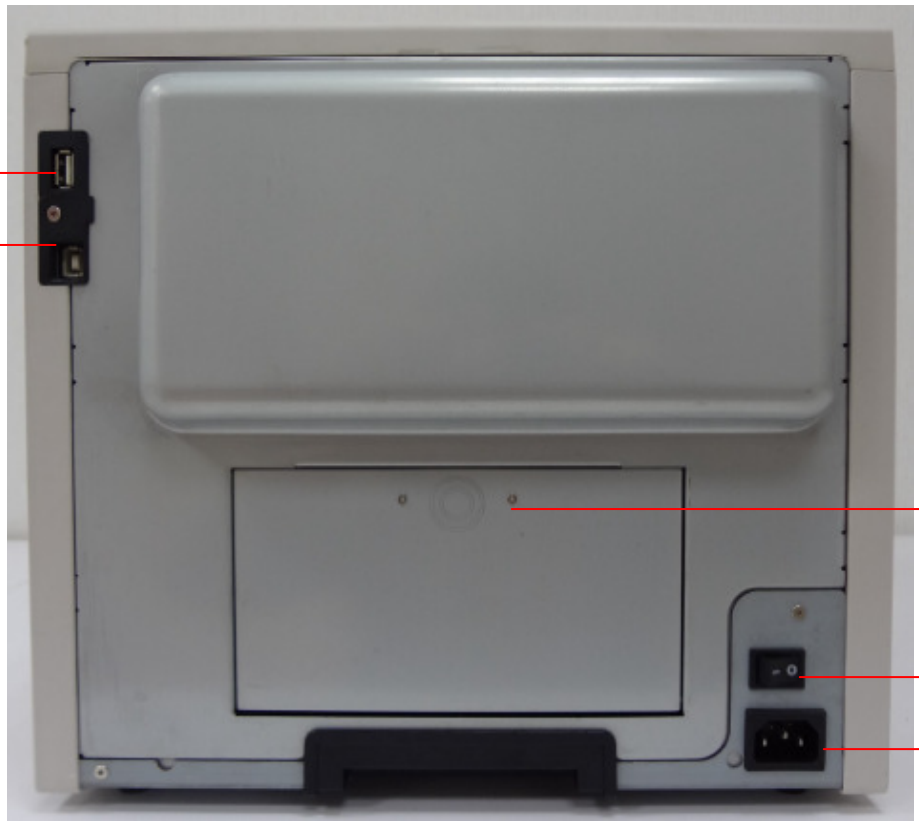
* Please note that the accessories vary from region to region.

Chapter 3. Basic functions introduction

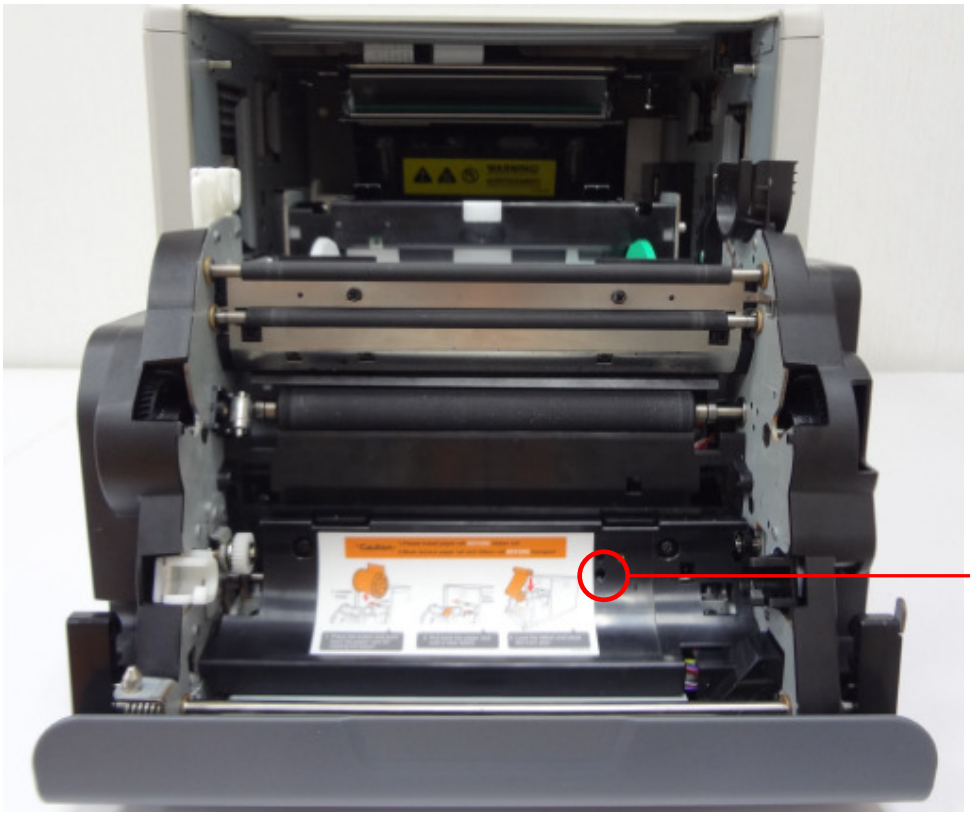
◎ **Appearance**



<Front View>



<Rear View>



<Internal view>

◎ **Parts Name and Function**

No.	Name	Function
(1)	Door open button	Press the button to open the front door
(2)	Control panel	Four hard-key and one mono LCM to control and monitor the condition of the printer
(3)	Print Output slot	The slot where printed output and scrap come out
(4)	Scrap receptacle	Clean it up periodically before full of scraps in the receptacle
(5)	USB slot (Type A)	Connect with designated device of HiTi products. Do not charge with hand-held devices.
(6)	USB Slot (Type B)	To be connected with PC/laptop for transferring data purpose
(7)	Paper jam door	Tap to open the door to remove jammed paper
(8)	Power Switch	Switch “On” to operate, and switch “Off” when finishing using the printer. Do not switch off the printer while the printer is still running.
(9)	Power slot	To be connected with AC power (100V~240V)
(10)	Paper sensor	When the paper is stretched to the designated position, the sensor lights.

Chapter 4. Installing and operation

◎ **Connect the Power cord**

Connect the power cord which is conformed to safety regulations below.



4.1 Connect the printer power cord to the back of P530D (as figure shown) and AC power receptacle.

: Make sure to switch off the power of the printer before connecting to AC power.

: Do not insert or remove the power cord with wet hands. It may cause the electric leakage.

: Do not damage or make any modification to the power cord. Misusing, such as putting the heavy items on the power cord, giving a strong pull to the power cord and twist the power cord may cause the fire and electric shock.

: When moving the printer, make sure to switch off the power of the printer, remove the power cord in order to have no connection with other devices. Otherwise, the power cord might be damages and it can cause the fire and electric shock. Also, it is very likely to fall down caught by the cord.

: For the safety consideration, please remove the power cord from the printer and AC power if the printer is not to be used for a long time.

◎ **Connect the USB cable**

Connect the USB cable with printer and PC/laptop for further operation.



4.2 Connect USB cable from personal computer to USB connector on the left rear side of the printer.

: Before removing the USB cable, please make sure the printer finish its internal operations.

: Removing the USB cable while data transferring, printer may not be able to print data correctly and it may cause waste.

◎ **Operation Process**



4.3 Power button:
Switch to “On” for starting on the printer.
＊ Attention: Do not switch to “Off” while the printing is still running

◎ **Open front cover**

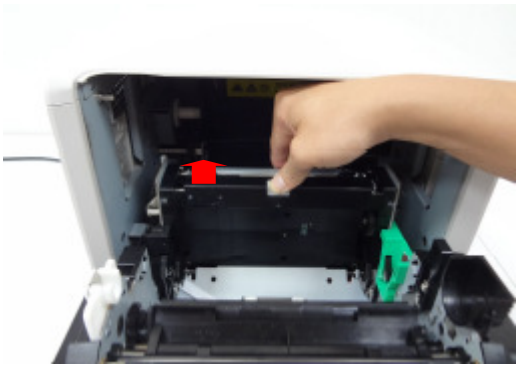


4.5 Open the cover of the printer
Press the button on the top left of front cover of the printer.
＊ Attention: Reserve a space for the cover jump out

◎ **Ribbon/Paper Installing**



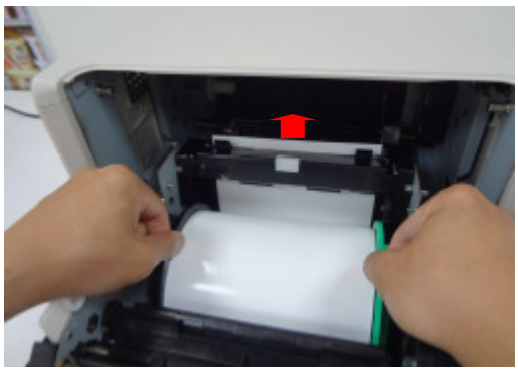
4.5.1 Install the paper flanges to both side of the paper roll. Remove the seal attached on the paper and make sure the front end of the paper has been pulled up.



4.5.2 Press the button of the rear paper rack to open the paper rack.



4.5.3 Place the paper into the paper rack by matching the color of the flange and the holder.



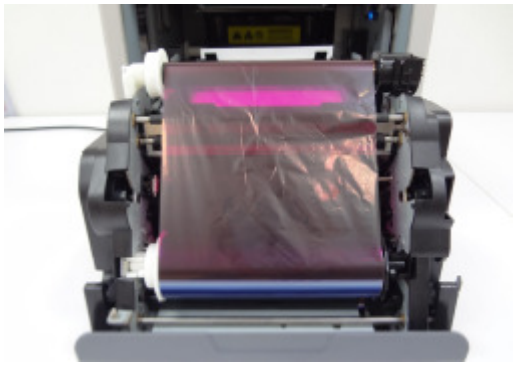
4.5.4 Please rotating the paper flanges manually to stretch proper length of paper through the gap of the rear paper rack until the sensor lights.





4.5.5 Pull back the rear paper rack to the original position until a click heard.

- Loading Ink Ribbon



4.6 Loading ribbon instructions
Stretch the ribbon and load in right position.
＊ Attention: It is a mistake-proofing for users; Please be sure the white head locates on white indentation and black head locates on black indentation.



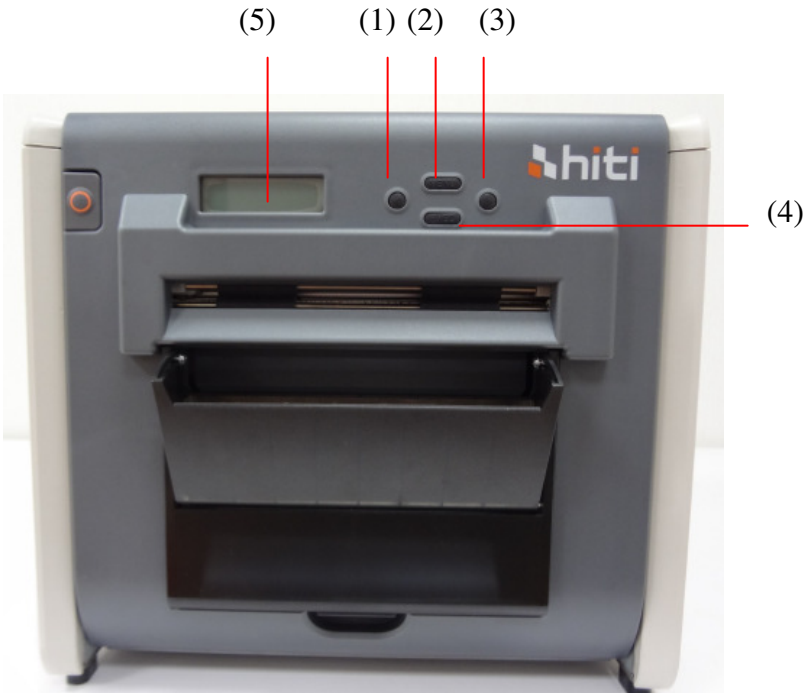
4.7 Close front cover
When the loading of the ribbon and paper is finished , please close the front door.
Whenever the paper roll is loaded or replaced, 4 sheets of paper will be automatically ejected to prevent dust and fingerprint.

◎ **Printer transportation**

The following cautions are necessary in transportation of the printer. Since an incorrect transportation method causes a printer fault, please follow the correct method.

1. Remove the ribbon and paper from the printer before transporting the printer.
   If the ribbon or paper cannot be removed due to a fault, consult with HiTi dealers or service center.
2. Do not switch off the power while the front cover is open. Close the front cover while the power is ON and switch off the power when “Ribbon Missing” is displayed on the LCD of the operation panel.

Chapter 5. Operation panel and Printer Status



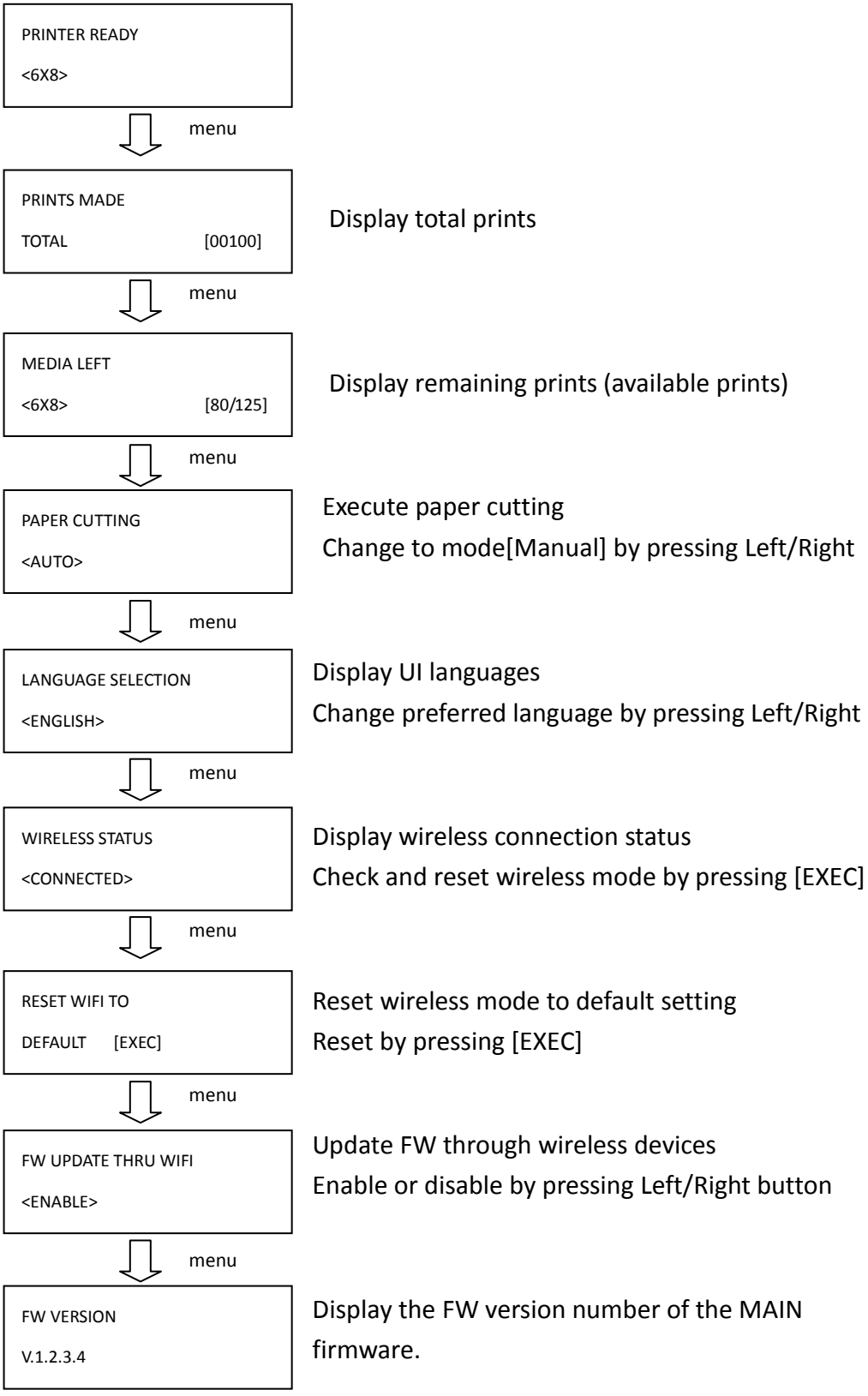
No.	Name	Function
(1)	Left button	Use this button to select preferred setting
(2)	Manu button	Use this button to view the printer status
(3)	Right button	Use this button to select preferred setting
(4)	EXEC button	Use this button execute cutting paper
(5)	LCD Display	See as below table

The LCD(5) indicates the following printer status

LCD display	Description
Printer Ready	Printer is ready to operate.
Prints Made	Display prints made
Media left	Display media left quantity
Paper cutting	Execute paper cutting (6x4 paper x 4 sheets) when close front door
FW version	Current firmware version
Language Selection	Select preferred language
Initializing	Printer is in initialization
Media checking	Checking Ribbon/Paper status
Data Sending	Send data from PC/laptop
System cooling	The thermal head is being cooled down. Printing is interrupted temporarily until the thermal head is cooled down
System warm up	The thermal head is being warmed up. Printing is interrupted temporarily until the thermal head is warmed up

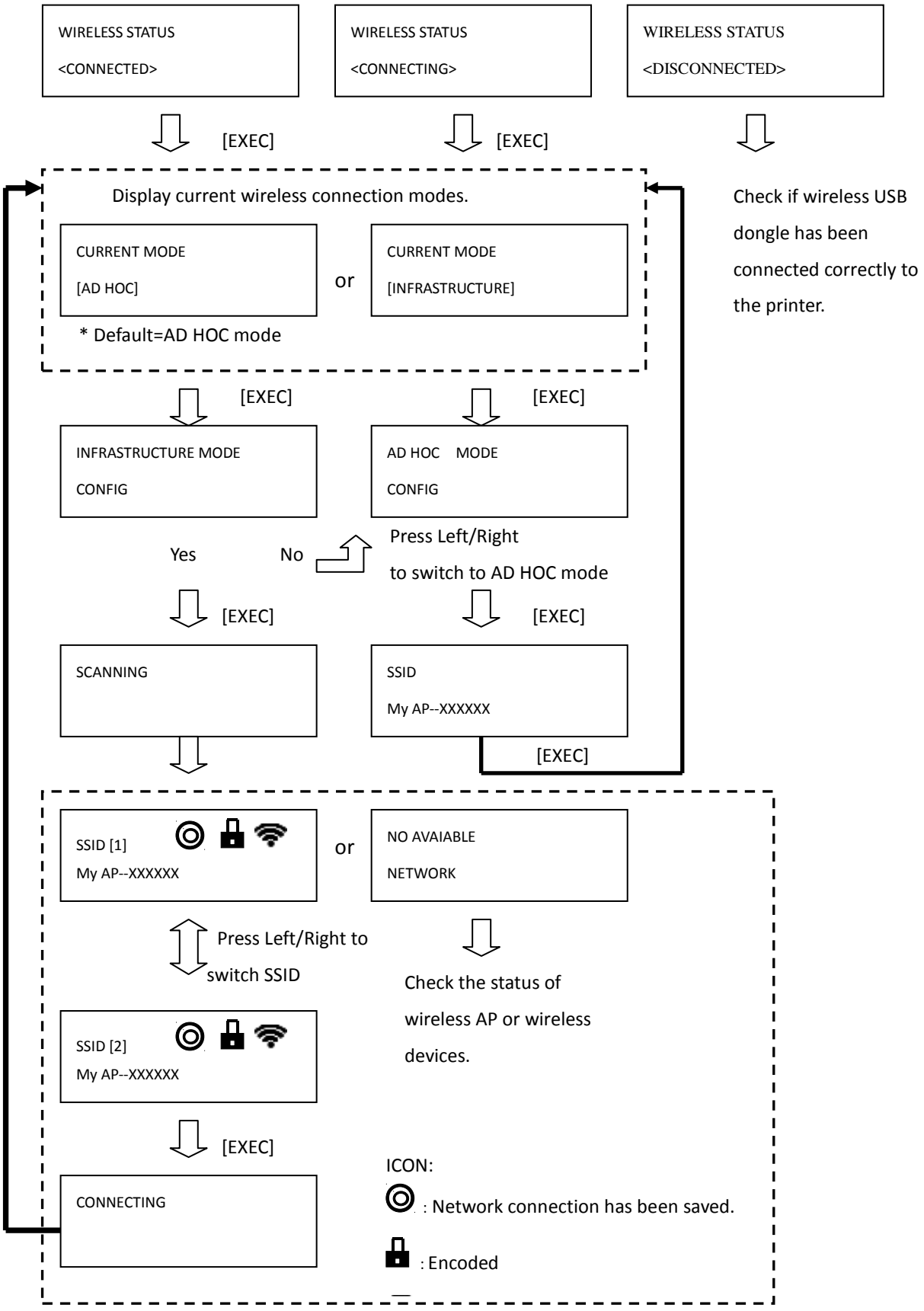
◎ **User Set Up Mode**

To set the user set up mode, press the “Menu” button in standby mode. When the “Menu” button is being pressed, display changes as follows.



- Setting of wireless mode

Press [MENU] to the page of “WIRELESS STATUS”. There are three wireless statuses as below. Follow the below instructions to set up wireless mode.



Chapter 6. Routine Maintenance

◎ **Cleaning of Thermal Printing Head and Roller**

By using thermal transfer technology, daily maintenance is not necessary if the printer has been using properly. However, in order to keep the best print quality, it is highly recommended to clean Thermal Printing Head and Roller regularly.



: Improper cleaning of the thermal head may damage the thermal head. Please contact HiTi dealers for cleaning and maintenance of the thermal head.
Make sure the power is turned off and the thermal head has been sufficiently cooled down before cleaning rollers.
Do not leave fingerprints on the heating element, it can damage the thermal head.
Be careful not to hurt by the protrusions of the printer.

◎ **Cleaning of Rollers**

Use double side adhesive tape to clean the rubber section of the roller.

◎ **Cleaning of Outer Cabinet cleaning**

Wipe the printer with a soft cloth. If the stains are not removed, wet the cloth and apply weakened neutral Detergent to it.



: In case of foreign substance get into the printer, please switch off the printer, remove the power cord and contact with dealers or service center for further help. Continuous use of the printer under such condition can cause the fire and electric shock.



: Continuous use under the abnormal condition such as high temperature, smoke and strange smell can cause the fire and electric shock. Please switch off the printer, remove the power cord and contact with dealers or service center for further help.



: Do not use volatile solvents or spray insecticide on the printer outer cabinet. Otherwise, discoloration or crack may result.

◎ **Cleaning of Filter**

If the dust collects on the openings, please clean it with vacuum cleaner.

Chapter 7. Error Message Handling

◎ **Error Message and Corrective Actions**

LCD Message	Status	Corrective Action
0100 Cover Open	The front cover is opened	Close the front cover
0101 Cover Open fail	The front cover is not opened	Press the button again to reset
0102 Jam door Open	The jam door is open	Close the jam door
0200 IC chip missing	No RFID key	Make sure the RFID tag attached on the cover of spool
0201 Ribbon Missing	No Ribbon detected	Load the ribbon spool
0202 Ribbon Mismatch	Installed ribbon does not match RFID tag	Replace the right RFID tag and adhere to ribbon spool
0203 Security Check fail	Unsupported ribbon type	Replace to the right ribbon
0300 Ribbon Out	The ribbon is empty	Replace the ribbon
0400 Paper Out	Paper is not loaded.	Load the paper roll.
0401 Paper Out	The paper is empty	Replace the paper roll
0500 Front Paper Jam 01	Paper jammed while printing	Remove jammed paper according to the LCD message and reload the paper. If the error continues, please contact HiTi dealers or customer service center.
0501 Front Paper Jam 02		
0502 Rear Paper Jam 01		
0503 Front Paper Jam 03		
0504 Rear Paper Jam 02		
0505 Rear Paper Jam 03		
0506 Front Paper Jam 04		
0600 Paper Mismatch	Loaded paper roll does not match to ribbon	Replace with the right paper roll.
1500 Cutter Error 01	Cutter functioned abnormally	Please contact HiTi dealers or customer service center.
1501 Cutter Error 02		

◎ **Failure Symptoms**

When detecting a failure symptom, check the printer by the following table.

Symptom	Action
Power is not switch on	● Please check if the power cable is firmly connected
The personal computer does not recognize the printer	Check if the USB cable is connected to the personal computer or printer
The printer does not ready	● Check if the front cover is properly closed ● Check if paper is jammed in the printer ● When the paper setting lamp goes off, please rotating the paper flanges manually to stretch proper length of paper through the gap of the rear paper rack until the sensor lights.
The front cover does not open	● Check if the printer is installed in a flat surface ● Please check if there is hindrance for opening the front door
A straight stripe area is not printed	● The Thermal Printing Head may be dirty. Please contact HiTi dealers for cleaning the thermal head.
Dotted areas are not printed	● The roller may be dirty. Clean the roller as described in Chapter 6. “Routine Maintenance”

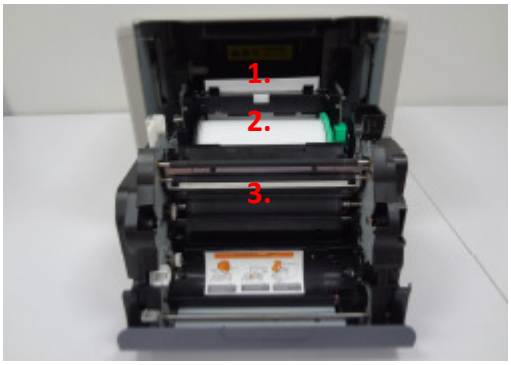
◎ **Paper jam solution**

For safety consideration, please switch off the power firstly and follow the below instructions to remove jammed paper.

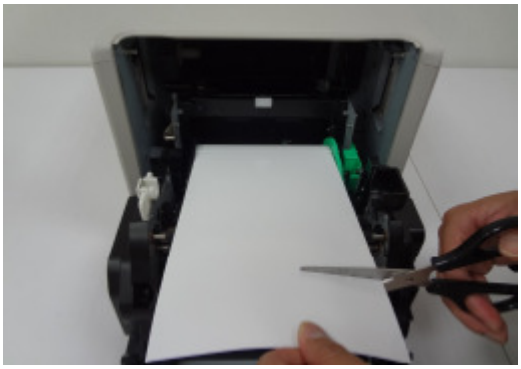
- Front Paper jam



7.1
Open the front cover



7.2
Check the paper path 1.2.3. to remove jammed paper
＊ Attention: To prevent damage to the printer, please do not pull the paper abruptly.



7.3
Cut off the folded paper or printed section by scissors. When the paper is folded inside of the printer, pull it out gently and slowly.

- Rear Paper jam



7.4
Tap to open the rear jam door and remove the jammed paper.



7.5
Push back the paper tray in the middle and close the jam door.

＊ Attention: If the paper is used without cutting off the folded or printer section, paper jam occurs every time or the ribbon may snap during printing. Always cut off the creased or printed section of the paper.

＊ Attention: Cut off the paper straight and at right angles to the roll paper direction

＊ Attention: If paper jam occurs frequently, a defect in the mechanical section is assumed. Consult with HiTi dealers or service center.

◎ **Power Supply Interrupted During Printing**

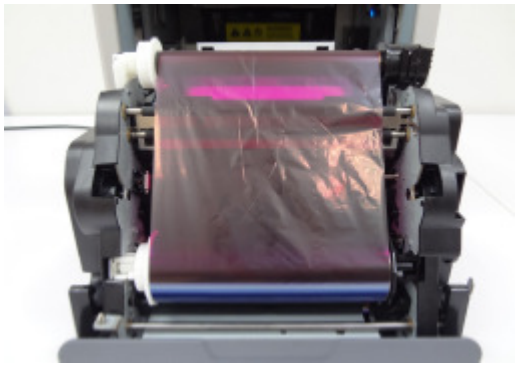
In the course of printing, in case of unexpected power interruption, please must always repower on the printer to reset. Leaving this situation for a long time, the shape of Platen can be warped. In order to avoid this situation, please follow the instruction below.

1. Switch off the power of the printer
2. Always await 3 or more seconds for power on and off.
3. Paper jam is displayed on the LCD of the operation panel, open the front cover or rear jam door and take the necessary actions according to the instructions of “Paper Jam” solution.

- When the ribbon is snapped



7.6
Stick the broken part of ribbon with a tape.



7.7
Turn the ribbon on the rewinding side and rewind the tapped section completely and tightly.

Chapter 8. Specification

◎ **Specification**

Model Name	HiTi P530D
Printing Method	Dye Diffusion Thermal Transfer
Resolution	300 x 300 dpi
Printing Size & Capacity	4” x 6” (102 x 152mm): 250 prints(duplex print) 6” x 6” (152 x 152mm): 125 prints(duplex print) 6” x 8” (152 x 203mm): 125 Prints(duplex print)
Printing speed	4” x 6” approximately: < 40 seconds(duplex print) 6” x 6” approximately: < 65 seconds(duplex print) 6” x 8” approximately: < 80 seconds(duplex print)
Operation System	Win7 and above
PC Connection	USB 2.0 High Speed
Power Requirement	AC 100V ~ 240V , 50-60 Hz, 5A
Operation Environment	10°C ~ 35°C (50°F ~ 95°F) ; 20~90% non-condensing
Dimension	327mm x 300mm x 430mm (W x H x D)
Weight	18Kg (consumable and packing materials excluded)

* Specifications subject to change without notice

Customer Service Information

- **Online Support**

  For further inquires, please log on to HiTi Inc., website at www.hiti.com where users can download free updated drivers, applications, and latest e-templates.

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