



Safety Information

Before you use, operate, dissemble the product, or change or remove any parts, components or materials of the product, please ensure that you carefully read this P231 User's Manual ("Manual") and the safety instructions described below, and strictly follow the instructions of such safety information.

If there is any question regarding the product and you feel the information provided in the Manual does not provide adequate assistance in terms of solving the problem you are facing, please contact our customer service staff immediately for professional assistance with travulsehonding.

For your own safety, HITI Digital, Inc. ("HITT) strongly recommends the use of HITI manufactured and/or designated consumables, accessories, or peripherals of the product ONLY. HITI DOES NOT GUARANTEE, implied or expressly, the compatibility of the product with any non-HITI made consumables, accessories, or periphrals. Using any non-HITI made/designated consumables, accessories, or periphrals which are intended for the product only may damage the product, and/or causes personal injuries and property damages to the user and/or any third natries.

DO NOT ALLOW MINORS UNDER THE AGE OF 12 TO USE, OPERATE, HANDLE OR STRORE THE PRODUCT AND/OR ITS RATTERY AND CHARGER PACK

ALL USE, OPERATION, HANDLING OR STORING OF THE PRODUCT, ITS BATTERY AND CHARGER RACK, AND ANY OTHER CONSUMBLE OR ACCESSORIES BY ADDLESCENTS ABOVE 12 SHALL BE CARRIED OUT IN THE PROPER PRESENCE AND CONSTANT SUPERVISION OF FULLY CAPABLE LEGAL GUARDIANS. THE MANUAL AND ALL THE SAFETY INSTRUCTIONS THEREIN SHALL BE READ TO SUCH ADDLESCENTS PRIOR TO ANY USE, OPERATION, HANDLING OR STORAGE OF PRODUCTOR ITS RATTERY AND CHARGER PACK

PLEASE BE ADVISED THAT WE WILL NOT BE RESPONSIBLE FOR ANY INJURIES OR DAMAGES IN PERSON OR PROPERTY IN ANY FORM, DIRECT OR CONSEQUENTIAL, INCURRED DUE TO USER'S FAILURE TO FOLLOW STRICTLY THE INFORMATION AND SAFETY INSTRUCTIONS PROVIDED IN THE MANUAL. OR DUE TO ANY USE OF PRODUCT FOR UNINTENDED PURPOSES.

The printer may cease printing for a while when temperature is high.

Notice

Hereby HiTi declares that Pringo P231 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

FCC Notice

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 equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 for the FCC rules. These some initialists are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, such as a dark an adult are action frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to adult communications. However, there is no quarantee that interference or unit in a corticular in a particular interference or unit or court or in a particular interference or unit or court or in a particular interference with not occur in a particular interference or unit or court or in a particular interference with not court or or or of the following measures:

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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment complies with the FCC/IC radiation exposure limits sent forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET62 and RSS-102 for the IC radio frequency (RF) Exposure rules. The equipment has very low levels of RF energy that is deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated with at least 20cm or more between the radiator and person's body (excluding externities: hands, wirlst, feet, and ankles).

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1)this device may not cause interference, and

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

Battery and Battery Charger Warnings

TO AVOID THE RISK OF OVERHEATING OR EXPLOSION,USE ONLY THE SUPPLIED/DESIGNATED HITI BATTERY PACK AND BATTERY CHARGER FOR CHARGING.

Please be advised that charging the product and/or its originally supplied battery with any means, accessories, peripherials, or components other than the Hit-Thande/designated charger pack can directly lead to overheating, meltidown and/or peripherials, and thereby causing damages of the product and the personal injuries and/or property damages to the user and/or any third parties.

KFEP THE PROJUCT (WHEN IN LISE OR OTHERWISE) ITS RATTERY AND THE CHARGINE PACK ETC. AWAY FROM MINORS AT

KEEP THE PRODUCT (WHEN IN USE OR OTHERWISE), ITS BATTERY, AND THE CHARGER PACK ETC. AWAY FROM MINORS AT ALL TIMES. DO NOT ALLOW CHILDREN TO PERFORM CHARGING OR USE THE PRODUCT WITHOUT PROPER PRESENCE AND SUPERVISION OF ADULTS. Please follow strictly all the instructions and safety prescribins (including including includin

If the owner of the product should decide to allow any third party to use the product, including but not limited to handling, maintaining, storing, or charging/discharging the product and/or its battery. It would be the owner's sole responsibility to request such third party user er to tread carefully and follow strictly the instructions and safety precautions prescribed in the Manual. The owner should be fully responsible for any inclined dramages caused to said third party user and allow such third party user to use at the product owner's own.

FOR YOUR PERSONAL SAFETY, IT IS IMPERATIVE THAT YOU USE ONLY THE ORIGINAL PBC23 BATTERY CHARGER BASE SUPPLIED BY HITI TO CHARGE THE PB231 BATTERY FOR THE PRODUCT. Please note that using any other battery charger base other than the original charger supplied by HITI on the PB231 battery, or resorting to any means of charging other than that expressly prescribed in this Manual, may cause accidents induced by battery overheating, melitown, or even explosion, and may thereby cause personal injuries and/or property damages. HITI HAS NOT ENDORSED ANY NON-HITI ORIGINAL BATTERIES, CHARGERS, OR ACCESSORIES, AND WILL NOT BE HIELD LIABLE FOR DAMAGES CAUSED BY SUCH UNAPPROVED ACCESSORIES, EVEN SOME OF THOSE MAY CLAMAT DREFTCOMPATILLE.

Battery Cautions

- The battery shall be charged or discharged within a range of temperature 0.40°C (32-104°F). If the battery is charged at the temperature out of the specified range, leakage, heat generation or other damage may be caused.
- Do not use the battery in other product.
- Do not drop or impact the battery
- . Do not attempt to disassemble or open, crush, deform, puncture, shred or alter the battery.
- . Do not apply water or liquid of any kind to the battery.
- . Store the battery well out of the reach of children; or, supervise children battery usage,
- Store the battery in an indoor location with low relative humidity and between the temperature of 0-25°C (32-77°F). If the battery is subject to store more than 3 months, it is recommended to recharge the battery periodically.
- Do not use a battery that appears damaged or deformed, has any rust on it casting, is discolored, overheats, or emits a foul odor.
 Keep metallic conductive objects away from battery terminals. Metal objects in contact with the connectors can cause a short circuit and damage.
- oimmediately flush water over parts of the body of clothing that come into contact with the inner contents of a battery if the outer casing incurs damage. If any of the substances should contact internal tissues, such as eyes or the mouth, immediately flush with water and seek medical assistance.
- Improper use of the battery may result in a fire, explosion, or other such hazards.
- . Take extra precautions to keep a leaking battery away from fire. There is a danger of ignition or explosion.
- . Promptly dispose of used batteries in accordance with local regulations.

Battery Charger Cautions

- . Use the battery charger base in dry and indoor locations only.
- . To prevent electric shock, never immerse or stand the battery charger base in water or other liquids.
- . Never use the battery charger base while immersed or standing in water yourself.
- Do not connect the battery charger base to a power system if it is wet or damaged.
- Disconnect the battery charger base from the power supply before cleaning the battery charger base.
 Periodically examine the battery charger base for potential hazards such as cracked, damaged, or broken parts.
- Store the battery charger base well out of the reach of children; or, supervise children battery usage.
- Store the battery charger base well out of the reach of children, or, supervise children battery
- . If your battery charger base needs some care or repair, please do not use until repaired.

This product contains electrical or electronic materials. The presence of these materials may, if not disposed of properly, have potential adverse effects on the environment and human health. Presence of this label on the product means it should not be disposed as unsorted waste and must be collected separately. As a consumer, you are responsible for ensuring that this product is disposed of properly. To find out how to properly dispose of this product, please go to www.hill.com and click on the Instructions for Recycling Products link on the left or call the customer service number for your country listed in the product instruction manual.

Copyrights & Disclaimer of Warranties

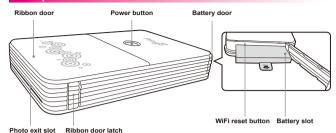
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Component Guide



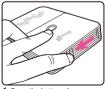
Power button LED

| Color | Action | Message | | |
|--------|-------------|---|------------|------------------|
| | Solid | Ready for printing | | |
| White | Quick blink | Receiving data / Firmware updating *Do not turn off the printer or remove the battery | | |
| | Slow blink | Printing in progress | / 1 | M / |
| | Blink x1 | Ribbon missing/ | | |
| | | Ribbon door open | | |
| | Blink x3 | Ribbon out | | |
| | Blink x4 | Paper out | | |
| Red | Blink x5 | Paper jammed/ | | |
| | | Ribbon jammed | Paper door | Paper door latch |
| | Blink x13 | Unable to update firmware | | |
| Orange | Solid | Low battery | | |
| | | | | |

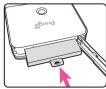
Note

- LED shows the status of the printer. You may also tap
 in the App to check for printer status and basic troubleshooting instructions.
 - For complete instructions, please refer to the section "troubleshooting" on P. 8.

Installing the battery



1. Open the battery door



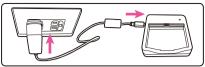
2. Insert the battery into the battery slot with label facing down



3. Close the battery door



To charge the battery:





1. Connect PBC23 battery charger base. USB cable and adapter. 2. Place PB231 battery on the and plug the adapter to a power outlet

charger base with the label facing up

Charging indicator

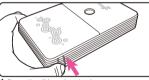
| gg | | |
|--------------------|---|--|
| Charging indicator | Battery status | Action |
| Yellow | Battery not inserted Battery fully charged | Insert the battery Remove the battery |
| Red | Battery charging | |

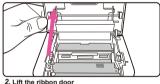
Note

- The battery is not fully charged at shipment. Charge the battery before use.
- Charging time: 1.5 hours using wall socket with the supplied adapter (Charging time may be longer when charged with PC, other low-power USB port or other adapter)
- The printer may print 10 sheets continuously with a fully charged battery*
- Always charge the battery with PBC23 battery charger base supplied by HiTi.
- Unplug the charger when not in use
- Please do not remove the battery until printing is complete, or the printing result may be incomplete or incorrect.
- * Under the condition of HiTi laboratory test

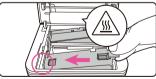
Installing consumable

Ribbon





1. Press the ribbon door latch



4. Close the ribbon door



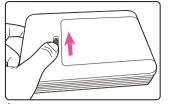
3. Insert the ribbon

Note

The printing head needs to be heat up in order to perform the intended functions of the product properly. Therefore it is inevitable that the printing head becomes HOT WHILE PRINTING. DO NOT TOUCH THE PRINTING HEAD DURING PRINTING PROCESS! DO NOT TOUCH THE PRINTING HEAD RIGHT BEFORE OR AFTER THE PRINTING PROCESS! Touching the printing head is likely to cause additional damages to the product, other than jeopardizing the product user's, or any other third party's, personal safety.

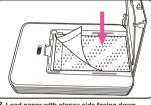


Paper

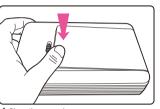




1. Push the paper door latch



2. Lift the paper door



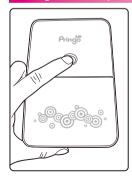
3. Load paper with glossy side facing down, detachable border toward the paper door latch

4. Close the paper door

Note

- . Works only with HiTi consumables.
- Please always load 10 photo papers when paper tray is empty.
- Only hold the paper by its margins; avoid touching the printer surface with your fingers.
- . Do not reuse paper for printing on the blank part

Turning on & off the printer



- Power on press 1 second
- Power off press 3 seconds

Download App to print

On iOS device



Search for "Pringo" in App Store

On Android device



Search for "Pringo" in Google Play



scan barcode

Note

Please download and install ne App on your mobile device

Connecting the mobile device with the printer



1. Each printer comes with an unique MAC address which is printed on the spec label stuck on inside of paper door. When connecting to the printer, look for the WiFI SSID (network name) "Pringo-the last 6 digits of the printer's mac address" (e.g. "Pringo-3B2CED")on the WiFI setting page on your mobile device.



2. Connect to the printer

Note

- You may change printer's WiFi SSID (network name) and setup password in "Printer Settings" in the App.
- Due to the restriction of network architecture, your mobile device may not connect to the printer via WiFi and to 3G network simultaneously.

Quick print



- 1. Take a new picture or select any photo from album in the App.
- 2. Tap 🦱
- If your mobile device is not connected to Pringo P231:
- Connect to printer via WiFi in WiFi settings on your mobile device (see section "Connecting the mobile device with the printer" above)
 - II. Return to the App and tap part to send the photo to print again.
- Note

defects (such as banding)

- Printing quality may be affected by the available RAM on your device.
- The color of the photo may be different from screen.
- The photo makes 5 passes in and out of the printer. Please do not touch or pull the paper before printing is finished.
- Pick up each photo manually before sending another image for printing.
 DO NOT OPEN THE RIBBON DOOR OR PAPER DOOR DURING PRINTING. DO NOT TOUCH THE PRINTING HEAD IN ANY WAY DURING. RIGHT BEFORE. OR RIGHT AFTER PRINTING. Failure to follow.
- these safety instructions may cause damages to the product and/or jeopardize the user's or third party's personal safety.

 Make sure the paper exit slot is clear from obstacle.
- Handle the printer with care to preserve its life. Do not drop the printer or hit it against a hard object.
 Damage caused by human abuse or improper usage is excluded from the warranty.
- Please wipe the glass on printer head back and forth with alcohol prep pad 2 times gently after every 100 prints. You may continue printing until the alcohol evaporates and any remaining fibers are femowed from the printer head. Please be noted that fibers on the printing head may cause printout.



Printer Settings

After connecting your mobile device with the printer via WiFi, you may find the information about the App, printer firmware, printer battery and other settings here.

Firmware Version

- Read the details of the update and update manually.
- Please don't turn off the printer or remove the battery during updating.
- Printer will reboot automatically when finishing undate.





Auto Power Off

- Printer will be shutdown automatically when idle for more than 3 minutes by default. You may change or turn off the setting.
- The longer Auto Power Off setting is the more power will be consumed while idle (battery life may be affected by the setting).





Printer WiFi Settings

- You can change printer WiFi SSID (network name) to a more memorable name in the setting.
- Setting up password may help to prevent your printer from unauthorized printing.





Troubleshooting

If a problem occurs with the printer (when LED flashes RED), please always tap nor instruction of troubleshooting. When the problem is solved, send the photo again for printing and follow the steps to remove the error.



| Problem | Solution | |
|--|---|--|
| Cover open/Ribbon missing | Close the ribbon door or insert a ribbon | |
| Ribbon out | Change a ribbon Tap 'OK' in App and send the photo to print again. | |
| Paper out | Load paper to the paper tray Tap 'OK' in App and send the photo to print again. | |
| Paper jammed/ribbon jammed | 1. Tap 'OK' in App, jammed paper will be ejected automatically. If jammed paper is not ejected automatically, Please.Turn off the printer and pull out paper gently If a gentle tug is not sufficient to remove the paper, please contact customer support help desk or your distributor. Do not remove jammed paper/fibbon by force. The printer could be damaged. | |
| Unable to update firmware | Make sure you are using the App "Pringo" to update printer firmware; if the problem persists, please contact customer service support help desk. | |
| The printer's SSID is not displayed on the mobile device | Wait for about 8 seconds after turning on the printer. Do not use the printer near a device that used 2.4 GHz frequency band such as a microwave oven or Bluetooth since it will cause radio wave interference. Place the printer and mobile device close and do not place any object between them. | |
| Forget Printer WiFi SSID and/or password | Press RESET swtich covered by the battery door with the tip of an unfolded paper clip for about 3 second to reset the printer to factory default settings Connect to the printer with factory default settings after automatic reboot. Be sure to install the battery and power on the printer before reset. | |
| Low battery | Recharge the battery with the supplied battery charger | |
| Cooling | Wait for a few seconds the printer to cool down | |

| Specification | | | | |
|-----------------------|---|--|--|--|
| Model name | P231 | | | |
| Printing resolution | 290 x 290 dpi | | | |
| Gradation | 256 Gradations | | | |
| Photo Format | JPEG, BMP, GIF, PNG | | | |
| Print Size | 2" x 3.4" (54x86mm) | | | |
| Printing time | About 60 secs | | | |
| Dimension | 94x145.8x25.1mm | | | |
| Weight | About 394g (battery included) | | | |
| Power source | DC 7.4V | | | |
| Operation temperature | 15℃ - 32 ℃ | | | |
| Operation humidity | 20% RH - 90% RH | | | |
| Battery pack | Voltage 7.4V Capacity 550 mAh | | | |
| Battery Charger | Input 5V 1A Output DC 8.4V 400mA | | | |
| Adapter | Input 100-240V 50/60Hz Max 0.2A Output 5V 1A | | | |

