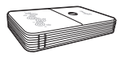
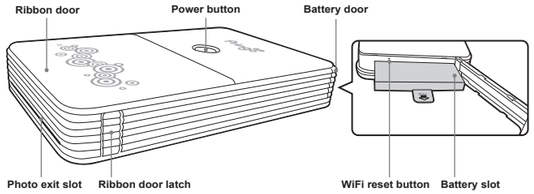
EN Pringo P231 User's Manual



Safety

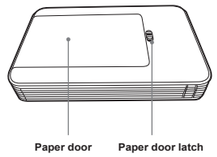
Before using the product, please ensure that you read the instruction and safety precautions described below. Always ensure that the product is used correctly.

Component Guide



Power button LED

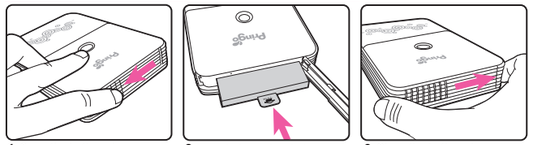
Color	Action	Message
White	Solid	Ready for printing
	Quick blink	Receiving data
	Slow blink	Printing in progress
Red	Blink x1	Ribbon missing/ Ribbon door open
	Blink x3	Ribbon out
	Blink x4	Paper out
	Blink x5	Paper jammed/ Ribbon jammed
	Blink x13	Unable to update firmware
Orange	Solid	Low battery



Note

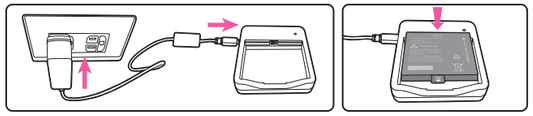
- LED shows the status of the printer. You may also tap in the App to check for printer status and basic troubleshooting instructions.
- For complete instructions, please refer to the section "troubleshooting" in this manual.

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, and plug the adapter to a power outlet
2. Place PBC23 battery on the charger base with the label facing up

• Charging indicator

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

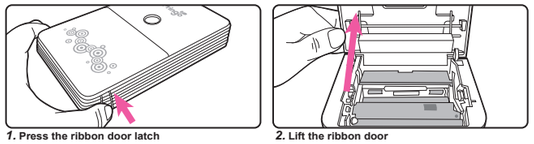
Note

- 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

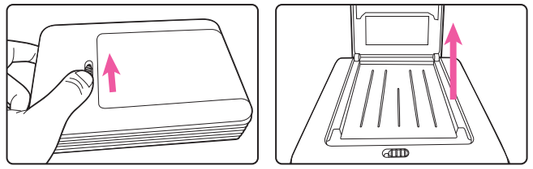


1. Press the ribbon door latch
2. Lift the ribbon door
3. Insert the ribbon
4. Close the ribbon door

Note

The printing head becomes hot while printing. Please do not touch printing head to protect from damaging it or the risk of personal injury.

• Paper

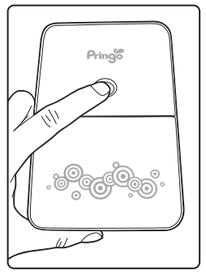


1. Push the paper door latch
2. Lift the paper door
3. Load paper with glossy side facing down, detachable border toward the paper door latch
4. Close the paper door

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



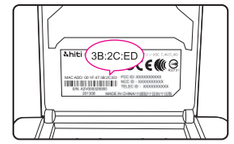
Search for "Pringo" in Google Play Store

scan barcode on iOS & Android device

Note

Please download and install the App on your mobile device before printing.

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.

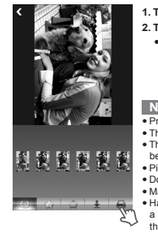


2. Connect to the printer

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:
     I. Connect to printer via WiFi in WiFi settings on your mobile device (see section "Connecting the mobile device with the printer" on P. 4)
     II. Return to the App and tap to send the photo to print again.

Note

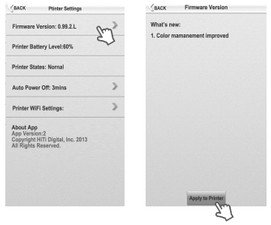
- Printing quality may be affected by the available RAM on your device.
- The color of the photo may be different from screen.
- The photo makes 5 passes in and out of the printer. Please do not touch or pull the paper before printing is finished.
- Pick up each photo manually before sending another image for printing.
- Do not open ribbon door or paper door during printing.
- 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.

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.

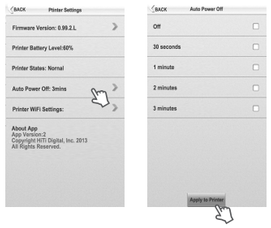
• Firmware Version

- 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 update.



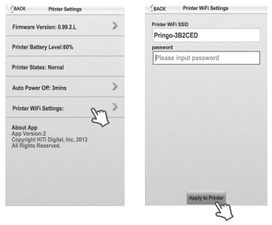
• Auto Power Off

- 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), tap for instruction of troubleshooting.
When the problem is solved, send the photo again for printing

Problem	Solution
Cover open/Ribbon missing	Close the ribbon door or insert a ribbon
Ribbon out	1. Change a ribbon 2. Tap 'OK' in App and send the photo to print again.
Paper out	1. Load paper to the paper tray 2. 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 HiTi customer support help desk. Do not remove jammed paper/ribbon 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	1. Press RESET swtich covered by the battery door with the tip of an unfolded paper clip for 3 second to reset the printer to factory default settings 2. 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	60 secs
Dimension	94x145.8x25.1mm
Weight	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

Notice

Hereby HiTi Digital, Inc. 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 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. 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 to correct the interference by one or more 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. This 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 extremities: hands, wrists, 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 Warnings

TO AVOID THE RISK OF EXPLOSION, USE ONLY THE SUPPLIED BATTERY PACK AND BATTERY CHARGE.
Discard faulty batteries according to the manufacturer's instructions. HiTi is not responsible for the damage of loss that caused by any improper or incorrect usage. To avoid personal injury, and property damage, read the battery precautions on handling, charging, discharging and disposing batteries.

Battery Cautions

- The battery shall be charged or discharged within a range of temperature 0-40℃ (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.
- Immediately 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.
- 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 of 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.hiti.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

All rights reserved. The information contained in this user manual is subject to change without notice. HiTi Digital, Inc. makes no warranty with regard to the material, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. HiTi Digital, Inc. will not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of the material.

iOS and App Store are a trademark of Apple Inc. Android and Google Play is a trademark of Google Inc. All other trade names and trademarks are properties of their respective owners.