User's manual

sprocket

Made for nfc | zink | Bluetooth
Made for iPod iPhone iPad

2 6 7

Safety Precautions

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 generate, 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 technical for help.
- Only shielded interface cable should be used.

Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the users authority to operate such 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 interferance that may cause undesired operation of this device.

CAUTION

Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CE WARNING

Changes and modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

- It is desirable that it be installed and operated with at least 20cm or more between the radiator and person's body(excluding extremities:hand,wrists,feet, and ankles)

CE 2200

EN Test Regulations

ETSI EN 300 328 V1.9.1
ETSI EN 301 489-1 V1.9.2
ETSI EN 301 489-17 V2.2.1
EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013
FCC ID : 2AJJ9SNPRH-1603

STAND-BY

Direct Current

BATTERY WARNINGS

1 Avoid contact with leaking or a damaged battery.
2 Do not short battery teminals.
3 Adult supervision is recommended when product is used by young children.
4 Avoid areas of excessive heat or moisture.
5 Do not disassemble the battery.

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.

Safety Precautions

WARNING

A violation of labeling regulations can cause serious injury or death



NOTICE

A violation of labeling regulations causes minor injury or damage to the product



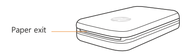
3 4 8 9

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■ Names of parts





■ Power on/off

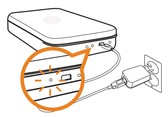


ON Press the power button for about 3 to 5 seconds.
OFF Press the power button for about 2 seconds.

Note

When you turn on the power, the operating status LED indicator blinks for about 5 seconds.
You can print it out when the blinking ends, and the LED is turned on white.

■ Charging the battery



This device has a built-in battery.
Make sure that the battery is charged fully before use.
Average charging time: About 1 hour and 30 minutes

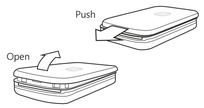
Checking charging status indicator

Charging status indicator	Description of status
	Charging in progress
	Charging completed

Notice

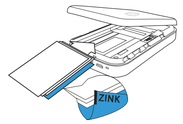
- The use of a non-standard charger can cause malfunction and exception from the subjects of warranty service.
- There may be the risk of electric shock during the process of charging, so please use with care.
- Do not give abnormal impacts.

■ Cover Open method

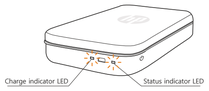


■ Inserting printing paper

- Prepare the blue Smart Sheet and white printing paper after unpacking the photo printing paper pack.
- Open the top cover and insert the Smart Sheet and printing paper as shown in the figure.



■ Description of LED Status Indicators



Charging status indicator	Operating status indicator	Current status	Details
		Off	Turn on the power to print.
		Standby/ On	Wait for print command. Turn off automatically after the set time.
		Charging in progress	The battery is being charged.
		Charging in completed	The battery is fully charged.
		Operating/ Flashing	Power off, image transmission, image processing, printing, cooling standby
		Error/ Flashing	No paper, paper jam, cancel operation, cover open, low battery, image not supported, update failure, etc.

■ Components check



Print



Zink photo paper



USB Cable



Manual

■ Zink Smart Sheet



Features

- Provide optimum image quality correction suitable for each printing paper pack
- Remove foreign objects from printer head.

How to use

- Eject automatically before printing out the paper in initial output.
- Poor quality and occurrence of horizontal lines can be improved by repeatedly printing 2 to 3 times.
- Recycle until the printing paper of each printing paper pack is exhausted.

Notice

- Optimum image quality cannot be guaranteed when the Smart Sheet of each printing paper pack is not used, or the bar code is damaged.
- Long-term storage after opening the printing paper pack can have a bad effect on printing quality due to a discoloration or distortion of printing paper.

■ Application Connection and Printing

<APP Connection>

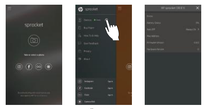
- Android Connection

4. Begin printing when sending photo to printer on screen.



<Setting (both for Android & iOS)>

1. Select the Menu button on the top of the left screen on Main.
2. Select the Devices menu.
3. Do setting and checking for each functions on Devices screen.



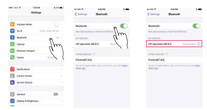
disconnect connect

<Description for Setting>

Function	Description
Errors	Errors definition
Battery Status	Battery Gauge check
Auto OFF	Setting for Auto Power on/off (none / 3mins / 5mins / 10mins)
Mac Address	Mac Address
Firmware Version	Firmware Version indication
Hardware Version	Hardware Version indication

- ios Connection

1. Turn on the power of the device.
2. For Bluetooth connection, change the mode to "Turn on" [Bluetooth] from [Settings] of the device.
3. Connect "HP sprocket (XXXX)" in the searched list. (MAC Address can be checked in the label inside the device.)



<Printing (both for Android & iOS)>

1. Execute the HP sprocket App.
2. Select the designed photo on [camera / instargram / facebook / flickr / camera roll] from Main screen.
3. Select the Print button at the bottom line.



11 12 16 17

■ Product specifications

Type	Size
Paper size	50 x 76 (mm)
Type of supported image file/size	PNG(2550x3300)JPEG(baseline) Within a maximum of 10M Byte Progressive JPEG not supported.
Paper used	ZINK Paper
Paper storage conditions	Temperature : 20 ~ 25℃ Humidity : 40 ~ 55% RH
Product operating conditions	Temperature : 5 ~ 40℃ Humidity : Less than 70% (35℃)
Optimal print conditions	Temperature : 15 ~ 32℃ Humidity : Less than 70%(32℃)
LED display	Power on/Standby/ Communication/Charge/Error/ Print/Update
Communication	Bluetooth 4.0
External connection terminal	Micro USB port (charging only)
USB power supply	Rated DC 5V / 1.0A adapter (optional)
Normal operating voltage	DC 8V
Built-in battery	500mAh lithium ion (rechargeable)
Proper image resolution	More than 1280 x 2448 pixel
Weight	186g
Support App version	Android : 4.0 or higher iOS : 5.1 or higher (Support may not be provided depending on the user's Smart phone version and environment.)

※ Product design and specifications are subject to change without notice.

13 14 18 19

■ Items to check before reporting a malfunction

Problems	Checklist
The power does not turn on.	Check to see if the battery is charged.
Bluetooth connection is not established.	Reboot the Bluetooth of the phone, or connect directly from the Settings menu.
	Try connecting in about 5 minutes after turning on the power to the device.
Printing paper seems to be jammed.	The paper is automatically ejected if you turn on the power after turning it off. Print it after printing out the Smart Sheet 2 to 3 times.
Stopped during printing operation.	The printing paper should be stored in an environment with low temperature/humidity. Do not fold or crumble the paper.
The power turns off automatically after a certain period of time.	Check the Auto Time Off value within "Settings" -> "see more" of the App.(None, 3 minutes, 5 minutes, 10 minutes)
	The operating status LED flickering Red indicates there is no power remaining on the battery. In this case, charge the battery with a dedicated adapter.
The printed photo shows a line. A slash mark appears in the middle of the photo.	Print it again after printing out the Smart Sheet 2 to 3 times. (A line may appear in case an impact is applied to the printer during the printing operation.)
White LED flashes and printed paper does not come out.	This device requires the proper temperature of (15~32℃) to facilitate smooth printing operation. Thus, a greater warm-up time is required in temperatures that are lower than ideal, and cooling times are greater when the temperature is higher than ideal. Please wait a moment to reach the proper temperature.
Printed paper comes out too late.	
The printed image quality differs greatly from the original image quality.	The image quality is somewhat degraded when editing the image using Pomini App's Edit menu.
	Print it again after printing out the Smart Sheet 2 to 3 times. The Smart Sheet within the same pack with printing paper should be used.
	Check to see if the image has the proper resolution (1280x2448) or higher.
	The printed image quality cannot be guaranteed in case you use printing paper of other companies. Use the original printing paper.
The above methods do not resolve the problems.	Turn on the power after pressing the Reset Hole with a pointed object.

PRINTING INFORMATION	
COLOR	CMYK
PROCESS	Offset Printing
MATERIAL	

AMEND	DATE	NO	CONTENT	SIGN
		1		
		2		
		3		

	A	B	C
~ 5	± 0.05	± 0.10	± 0.25
~ 15	± 0.07	± 0.20	± 0.35
~ 50	± 0.10	± 0.30	± 0.50
~ 150	± 0.18	± 0.55	± 0.90
~ 500	± 0.30	± 0.90	± 1.50

NO	CODE	MATERIAL	TREATMENT	Q'TY	MODEL	REMARK

DRAWN	DESIGN	CHECK	APPRO				
				DATE	2016.08.08	NAME	MANUAL USER (Japan)
				TOL	±		
				SCALE		SIZE A1	DWG NO GK07X0000100
				UNIT	m/m		

DS Global. co., ltd.