



Turn on the value of data

Wing820/HY820 Hand-held Reader User manual



Welcome to use this data terminal!

Thank you for choosing this data terminal. This device will give you unlimited surprise and convenience. This manual is designed to guide you through the functions and features of the data terminal.

Please read the instruction first.

- ✧ Before using the data terminal, please read all safety precautions and this manual carefully to ensure safe and proper use.
- ✧ The images and icons used in this manual are for functional guidance only. Please refer to the actual object.
- ✧ Applications and their functions may vary by country, region or hardware specifications. Hopeland Technology Co., Ltd. is not responsible for performance problems caused by third-party applications.
- ✧ The instructions in this manual are based on the default settings of the device.
- ✧ Due to the continuous updating of product features, the contents of the manual in your hands may differ from the real thing.
- ✧ Please keep this manual for future reference.

Legal statement

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Infringement will be punished

We will promptly correct any typographical errors or discrepancies between this manual and the latest information. These changes will be incorporated into the new edition of this manual without prior notice.

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Data terminal appearance

Please be familiar with the interfaces and keys of the data terminal before use.

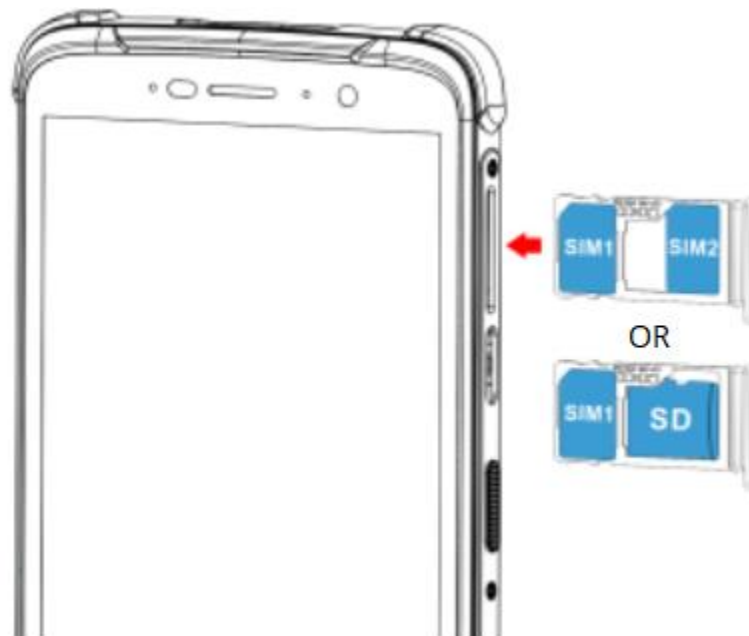
- ✧ Power on: Press and hold the power key until the screen of the data terminal is lit up.
- ✧ Power off: Press and hold the power key until the data terminal option menu appears, then click Power off.
- ✕ Press and hold the power button until the screen of data terminal is off to force restart.



Installation

Please follow the instructions below to install the data terminal SIM card or memory card correctly.

- ✧ Turn off your data terminal before installing the SIM card or memory card.
- ✧ Insert the card pin into the small hole on the right side of the unit and press the pin until the card slot pops out.
- ✧ After removing the card slot, install the prepared Nano SIM card/SD card into the corresponding position of the card slot, and then insert the card slot into the slot of the data terminal.
- ✧ Please insert the SIM card into the correct slot to prevent the data terminal from not recognizing it.



Battery instructions

New device battery is ready for immediate use. In order to maintain a longer battery life, please recharge the battery in time, a long period of time with too low power will shorten the life of the battery.

1.The battery of this device is polymer and non-removable, only use the charger designated by the manufacturer, do not disassemble or replace the adapter.

2.The battery should be recharged in time when it runs out of power, and should not be stored for a long time under empty or full charge condition, it is better to store it at about 50% power.

3.When you get the device for the first time, the battery may only have about 50% charge left, you can charge it through the included power adapter.

※ The device will become hot when charging.

Connecting the device to the computer

Connect the device to the computer using the USB cable, touch and click "USB for file transfer" by pulling down the notification bar, and select the following options.

1. "Charge this device", which allows charging.
 2. "Transfer files", which can open the shared storage space and SD card inside the device.
 3. "Transfer photos(PTP)", you can transfer pictures.
- ※ Follow the instructions for safely disconnecting the hardware before disconnecting, and then disconnect from the USB device properly to avoid loss of personal data information.

Find and connect to a WLAN

You can access the Internet using WLAN or mobile network default connection settings.

1. Click Settings - Network & Internet - Wi-Fi, and enable WLAN.
 2. Select the WLAN you want to connect to from the searchable list.
- If the security feature is enabled on the WLAN network, you need to enter the network password to use the network service. If you are not using the wireless network, please turn it off immediately.

Barcode Scanner

You can scan the barcode through the terminal's own scanning program or the scanning program developed by yourself.

- ※ Common problems: the scanning head positioning light / fill light does not light, please confirm whether the scanning function is off, if off, please go to Settings - Scan Settings - SCAN SETTING - enable / disable the scanner, click the side button to turn it on.

RFID Handle Interactive Function

Scene 1 RFID Mode

[Orange toggle switch] on, click on the Demo APP to enter the RFID function interface, if the RFID module is in good contact and the communication is normal, press Orange pistol-grip trigger button, then the RFID function is triggered.

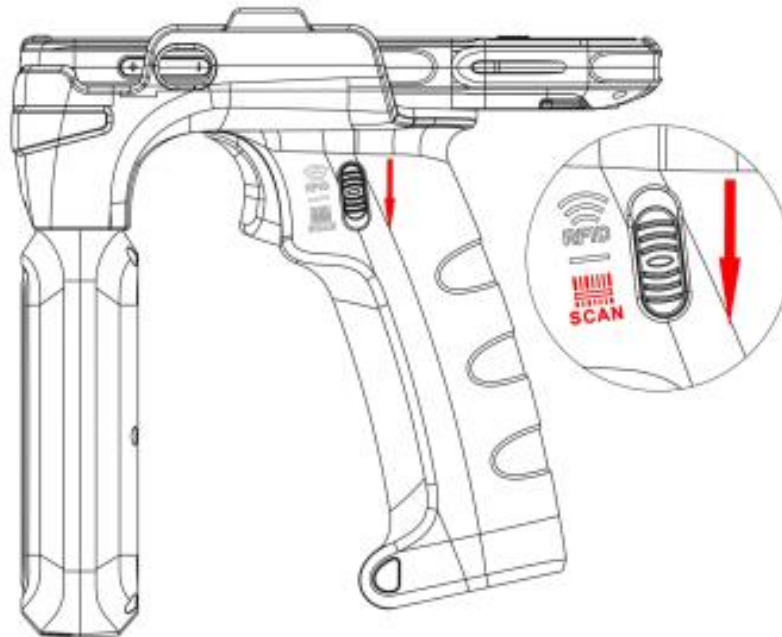
❖ RFID Indicator Interaction Description.

1. Start Demo APP to enter the UHF function, RFID front-end blue indicator light.
2. Exit the UHF function interface, RFID front-end indicator goes off.



Scene 2 Scanning mode

[Orange Toggle Switch] is down: in this state, press Orange pistol-grip trigger button to trigger scanning barcode.



Precautions for use of data terminal

1. Do not expose the USB port to cause water ingress to the device.
2. do not fill up the memory of the machine, otherwise it will cause system abnormality.

3. Please turn off the scanner when barcode scanner is not in use and do not turn it on permanently.
4. Do not look directly at the scanning head when scanning to avoid accidental injury.
5. Keep the back camera lens clean.
6. Avoid abrasion or scratching of the lens mouth by hard and rough objects.
7. please connect the USB cable to the device first; then go ahead and connect the USB port on the PC.

Safety warning

To protect yourself and others from harm or to protect your data terminal from damage, please read all of the following information before using your data terminal.

Medical equipment

- ✧ In medical and healthcare settings where the use of wireless devices is expressly prohibited, follow the site's regulations to turn off this device.
- ✧ Some hearing aids may be subject to radio frequency interference from data terminals. If you use hearing aids, contact the manufacturer for information about radio interference. To ensure the safe use of your hearing aids.

Flammable and explosive areas

- ✧ Do not use this device at gas stations (service stations) or near flammable items or chemicals.
- ✧ Do not store or transport the device and its accessories in the same box as flammable liquids, gases, or explosive materials.

Traffic safety

- ✧ Do not place the device on top of the car's airbag or in an area that can be reached when the airbag deploys, or the device will be subjected to strong external forces when the airbag expands, or ruptures, which could cause serious injury to the occupants of the car.
- ✧ Wireless devices may interfere with the aircraft's flight systems. Where the use of wireless devices is prohibited on aircraft, turn off the device or follow the rules of the location.

Operating environment

- ✧ Do not charge or use the device in dusty, damp, dirty, or near magnetic fields, as this may cause a malfunction of the device's internal circuit.

- ✧ Do not use the device during thunderstorms to avoid lightning strikes or other injuries.
- ✧ Turn off this device in places where there are explicit or graphic instructions prohibiting the use of wireless devices.
- ✧ When charging the device, keep the ambient temperature between 0°C and 45°C; when the device is powered by the battery, use it at an ambient temperature between -10°C and 50°C.

Child health

Please keep the data terminal out of the reach of children to prevent them from treating it as a toy and causing personal injury.

Environmental protection

Please comply with local ordinances regarding the disposal of equipment packaging materials, batteries, equipment or their accessories, and support recycling operations.

Original accessories

Use only original accessories provided by the device manufacturer, such as chargers, batteries and other accessories, do not use non-original accessories.

Proper maintenance and use of data terminal

- ✧ Do not touch or cover the antenna area (the area on the lower back of the data terminal) during the call, as this may affect the call effect and consume more power, thus reducing the talk time and standby time.
- ✧ Keep the device dry. Do not let the device, battery and charger come into contact with water and fire, or operate the device or charger with wet hands to avoid short-circuiting the device, malfunction caused by corrosion or electric shock.
- ✧ Do not subject the device, battery and charger to strong shocks or vibrations, which may cause the device, battery and charger to malfunction, catch fire or explode.
- ✧ Do not place this device, battery, and charger in areas where the temperature is too high or too low, as this may cause the device, battery, and charger to malfunction, catch fire, or explode.
- ✧ Do not place the battery in an area that is too hot or too cold, as this may reduce the capacity and life of the battery and affect battery safety. The performance of the battery is particularly limited when the temperature is below 0°C.
- ✧ Do not place sharp metal objects such as pins or other sharp metal objects

near the handset of the unit. The magnetism of the handset of the unit will attract these objects and may cause injury when you use the unit.

- ✧ Turn the unit off before cleaning and maintenance. If the charger is still connected at this time, you need to unplug the charger from the power outlet and disconnect the charger from the device to avoid electric shock or short circuiting of the battery or charger.
- ✧ Do not clean the device or its accessories with strong chemicals, cleaning agents or strong detergents.
- ✧ Do not disassemble the device and its accessories without permission, or the device and its accessories will not be covered by our warranty.

OS update

The operating system only supports officially provided system updates, if the user swipes a third-party ROM system or modifies the system files by any cracking method, it may lead to system instability, which may pose security risks or dangers, and the user is responsible for similar actions.

Specific Absorption Rate (SAR) of Electromagnetic Radiation

The maximum absorption rate (SAR) of electromagnetic radiation of this product is less than 2.0W/kg.

Common troubleshooting

Failure phenomenon	Possible cause
Can not turn on	It is possible the battery is used up. Please recharge and start again.
Cannot connect to Access Point	If "Authentication problem" is displayed, then the WLAN password is incorrect.
SIM card error	1. SIM card dirty, clean SIM card 2. Re-install the SIM card. 3. The SIM card has been damaged, replace the SIM card.
Poor signal	Check the signal strength indicator mark on the display, a grid of 4 for this signal indicates a strong signal and a grid of 2 or less indicates a weak signal.
Unable to make a call normally	1. Check whether the SIM card network signal is normal. 2. Reboot the data terminal and retry.
No sound	Set the volume too low or it is off, adjust the volume.
Unable to charge	1. If the ambient temperature is too high/low, the device should be placed in the room temperature environment 2. May be caused by over discharging the battery. You need to wait a few minutes (usually less than 5 minutes).

No photos could be taken.	1. Prompt "camera fault", close the scanner, the camera can not be turned on when the scanning head light. 2. Prompt "Not enough storage space", please clear the memory or switch storage location.
Unable to access the Internet using mobile data	1. Mobile data is not turned on, go to Settings - Network & internet - Data usage, turn on the mobile data network. 2. Under dual card, mobile data is not preferred SIM card, go to Settings-Network & Internet-SIM cards-Preferred Mobile for, click to select SIM card 1 or SIM card 2. 3. If the SIM card is restricted, please call the operator to confirm. 4. If the SIM card is in arrears, recharge the SIM card in time.
RFID module does not work	1. Confirm whether the RFID module is powered on normally: start demo APP to enter the UHF function interface, RFID front-end blue light is on. 2. Whether the orange toggle switch switches to the RFID position.

Note: Use software to disable 2 3 4G communication functions

FCC Statement

Changes or modifications not expressly approved by the party 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 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.

The SAR limit of USA (FCC) is 1.6 W/kg veraged over one gram of tissue. Device types Wing 820 (HY820) (FCC ID:2ANBW-HY8201) has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for use at the body is 0.439W/kg , Highest simultaneous SAR 0.753w/kg This device was tested for typical body-worn operations with the back of the handset kept 0mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 0mm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided