CERTIFICATE

Inspector: _____

Date of manufacture: _____

DELI GROUP CO., LTD.
Deli Industrial Zone, Ninghai County, Ningbo City, Zhejiang Province, China Made in China
info@nbdeli.com www.deliworld.com

22
PAP

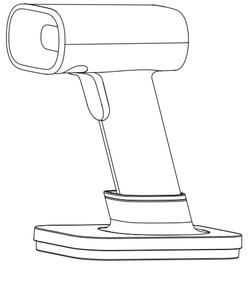
KEEP FOR FUTURE USE

Version: 1.0
Date: 08-2025

deli

USER MANUAL

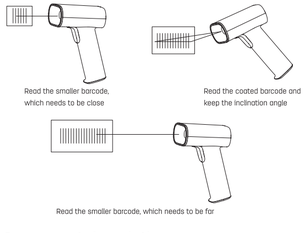
Barcode Scanner No.S228WB



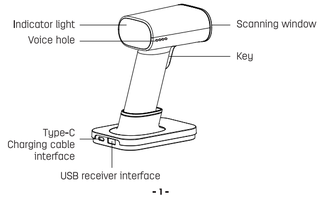
Dear customers , thank you for using our company's products.We are committed to providing our customers with high quality products to ensure best performance, please read this manual carefully before use !

How to use barcode scanner correctly

1.If the barcode is small, the barcode shall be close to the product scanning window; On the contrary, if the barcode is large, the barcode should be slightly away from the product scanning window, so that it is easier to read the barcode correctly.
2.If the barcode has a high reflectance (for example, the barcode surface is coated with film), the barcode should be kept at a certain angle with the product scanning window, so that the barcode can be successfully scanned.
3.When scanning the barcode, it must be aligned and the scanning line must be completely wrapped around the barcode for decoding. It is not allowed to scan only part of the barcode, otherwise there may be error code.

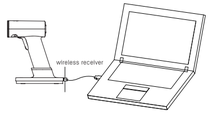


Component description

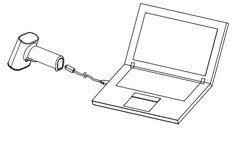


Multi-Mode Switching

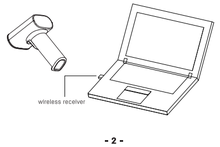
Mode 1:
- Connect the charging pins base to your computer with Type-C cable, ensure successful pairing between the barcode scanner and wireless receiver and insert the wireless receiver into the base. Then, the scanner can achieve continuous power supply through the base and wireless data transmission to the connected computer



Mode 2:
Connect the barcode scanner directly to a computer via the Type-B USB cable for both data transmission and battery charging.



Mode 3:
- Pair the wireless receiver with a computer directly for wireless data transmission.



Packing List

Barcode Scanner×1, Base×1, Type-C Cable×1, Wireless Receiver×1, Manual×1

Technical Specifications

Input voltage	DC 3.7V±4.2V
Operating current	240mA (Typical value)
Peak Current	280mA
Light source	White LED、Red LED
Scan barcode category	1D code 2D code
Scanning Accuracy	1D ≥3.9mil 2D ≥7mil
Supported Barcode Types	1D code: AIM-128, Code 11, Code 39, Code 93, Code 128, Codabar, Deutsche 12, Deutsche 14, EAN-8, EAN-13, GS1-RSS 14, GS1-RSSLimited, Industrial 25, Interleaved 2 of 5, ISSN, ISBN, ITF-14, Matrix 2 of 5, MSI-Plessey, RSS-Expand, UCC/EAN-128, UPC-E, UPC-A 2D code : PDF417, Data Matrix, QR Code, Micro QR.
Operating temperature	0℃ ~ 45℃
Storage temperature	-20℃ ~ 60℃
Operating humidity	5%~90% （Non-Condensing）
Alert Methods	Buzzer, LED Indicator
Transmission Types	Bluetooth/2.4G wireless/Wired (USB)
Scanning Modes	Manual,continuous

Product features

1.The built-in storage of this product has the counting function, which can directly carry out some simple daily counting work. All parameter settings of this product can be completed through barcode scanning and saved in the memory of barcode scanner. The inventory content and parameter settings can be retained after the power is turned off.
2.It can directly read one-dimensional barcode and two-dimensional code on mobile phones and computer screens.
3.This product has a one button pairing function, (which can easily and quickly complete the transmission).
4.In open areas with no electromagnetic interference, the wireless transmission distance is approximately 100 meters for 2.4G and 30 meters for Bluetooth. In typical usage scenarios, the wireless transmission distance is 20-30 meters for 2.4G and 10-20 meters for Bluetooth. When the electromagnetic environment becomes complex and obstacles increase, the transmission distance will decrease. If a longer transmission distance is required, please enable the "Inventory Mode".
5.Low power consumption, long standby time, built-in 2500mAh lithium battery.

Receiver installation method

1.Plug the wireless receiver into the USB connector of the computer.
2.After the wireless receiver is inserted into the computer, the system will automatically install the driver (if the driver installation fails, please unplug the receiver or restart the computer).
3.After the driver is installed, the receiver can transmit data with the paired scanner.

Basic settings

Restore Factory Defaults

Add carriage return terminator

Add TAB terminator

Add carriage return line break terminator

Do not add terminators

Reading mode setting

Manual read mode

Automatic continuous reading

Allow to read all barcodes
(all supported barcodes can be read)

Restore the default read barcode settings

Function settings

Normal mode
(instant data upload)

Counting mode
(storage mode)

Data upload

Display the total number of stored items
(the counting mode is applicable)

Clear counting data
(use with caution)

1.**Normal mode**: scan the barcode into the normal mode, in which the scanning results will be uploaded to the computer in time (this mode is the default mode).
2.**Counting mode**: scan the barcode to enter the counting mode, in which the scanning results will be stored in the internal memory (when the internal memory is used up, the buzzer will beep three times for prompt)
3.**Data upload**: scanning the barcode can upload the data stored in the internal memory to the computer in turn (please ensure that the wireless signal is normal when uploading the data in the inventory mode, the buzzer will beep once if the data upload is successful, and the buzzer will beep three times if the data upload fails)
4.**Display the total number of stored data**: scanning the barcode will display the number of all stored data (the counting mode is applicable).
5.**Clear counting data**: scanning the barcode will clear all internal memory data.

Decode sound settings

Turn off decoding sound

Turn on decoding sound

Wireless Transmission Pairing Settings

I. 2.4G Wireless Receiver Pairing Settings
1. Remove the receiver from the computer or base and first scan the "2.4G Wireless Mode Code".

2.4G Wireless Mode Code

2. Scan the "Receiver Re-pairing Setup Code". At this point, the LED signal indicator will blink, and scanning will be temporarily disabled.

Receiver Re-pairing Setup Code

3. Wait until the LED white signal light flashes rapidly and continuously. Within one minute, insert the receiver into the computer or base. A beep sound will confirm successful pairing. The receiver can only be paired with one scanner.

II. Bluetooth Wireless Pairing Settings
1. The default Bluetooth name for this scanner is S228WB HID.
First, scan the "Bluetooth HID Wireless Mode Code", then scan the "Bluetooth Pairing Setup Code".

Bluetooth HID Wireless Mode Code

Bluetooth Pairing Setup Code

2. When the LED green signal light starts flashing rapidly and continuously, within one minute, you should enable Bluetooth on your target device, search for and select "S228WB HID" to connect. You will hear a confirmation beep after successful pairing. The scanner can only maintain one active Bluetooth connection at a time.
Note: When using with mobile devices, we recommend disabling physical keyboard input and text prediction features.

III. Bluetooth Mode Data Transfer Speed Settings
The default data transfer speed for the scanner in Bluetooth mode is "Normal Transfer."
Note: Due to differences in connected devices, the Bluetooth transfer speed can be set to either "Normal Transfer" or "Low Speed Transfer" to ensure accurate data upload.

Normal Transfer

Low Speed Transfer

Power display

Display remaining power

Sleep Time Settings

Sleep time of 1 minute

Sleep time of 5 minutes

Sleep time of 10 minutes

Sleep time of 30 minutes

Indicator light description

Indicator Light	Description
The white light bar is on	scanner has successfully read the barcode and will briefly flash
The LED lights are flashing	Tscanner is charging;the light goes out to indicate it's fully charged
The white light bar is flashing	pairing status in 2.4G mode

Sound description

Honking mode	Explain
A long sound	Indicates that the power is on
A short sound	It indicates that the normal barcode is read, or the pairing is successful, or the wireless connection is successful
Three short sounds	It indicates that the normal barcode is read, or the pairing is successful, or the wireless connection is successful
Five short sounds and stop scanning	Indicates that the battery is low (please charge it in time)
Two long sounds	Indicates a wireless disconnection

Troubleshooting

NO.	Problem	Possible causes	Solution
1	No power on or power off immediately after power on	Mainly caused by low battery power	Please charge in time to ensure sufficient power (the red light is on when charging, and off when fully charged)
2	Barcode data is not uploaded	Scanner and receiver not paired successfully	Please ensure whether the wireless barcode scanner and receiver are paired (if not, please pair again)
		The distance between the barcode scanner and the receiver is too far	Please check whether the wireless barcode scanner has a signal data upload. (If the buzzer "beeps" three times in a row, it indicates that the signal is insufficient.) The scanner needs to be close to the receiver or switched to the inventory mode
3	There is a Laser line, but the barcode cannot be read	This type of bar code system is not enabled	Open the code system by reading the setting code
		Bar code is damaged	Please try scanning other barcodes with the same barcode type
		Improper distance between scanner and barcode	Please move the barcode scanner near or far away from the barcode
		The height of the barcode scanner is not enough to completely cover the barcode	Read the barcode after aligning it
4	The scanned data is displayed incorrectly on the host	Input method error	Convert the input method to the standard English input method
		Other settings have been made to the scanner	Restore the scanner parameters to the factory settings, or contact the manufacturer's service center
5	The barcode characters are garbled or wrong	The keyboard country setting of the barcode scanner does not match the country where the keyboard is used	Set the barcode scanner keyboard country to match the country where the keyboard is used
6	Other conditions cannot be decoded	Device transfer error	Turn off the power supply of the equipment, connect the equipment and the scanner correctly, turn on the power supply of the equipment, restore the parameters of the scanning platform to the factory settings and scan the code again

Simple maintenance method

1.The dirt and dust on the scanning window sometimes affect the work of the scanner. When cleaning, you should use high-quality facial tissue paper, gently wipe it, and then blow it with a blowing balloon. If the paper with poor quality is used for wiping for a long time, the surface finish of the scanning window will be damaged and the reading effect of the scanner will be affected.
2.The shell of the scanner can be wiped with a soft cleaning cloth. If necessary, a small amount of detergent can be added with water, and then wiped with a soft cloth dipped in water.

Maintenance

Our company is responsible for free maintenance in case of product failure within one year of normal use from the date of purchase.

The start date of the warranty period is subject to the purchase date and invoice of the product warranty card

Please show the product warranty card and invoice during maintenance.

Please keep this warranty card properly. If it is lost, it will not be replaced. The purchase date filled in must be consistent with the invoice number, otherwise it will be invalid.

This card cannot be altered, otherwise it will be invalid. For products beyond the warranty period or not subject to free maintenance, the maintenance service center of our company is still enthusiastic to serve you.

One of the following conditions does not belong to the scope of free maintenance:
1.products beyond the warranty period
2. Those who cannot provide purchase invoices or valid vouchers.
3. The appearance is naturally old due to use, and the consumer requires updating.
4. Failure caused by failure to use according to the instructions
5. Failure caused by falling or collision.
6. Failure caused by self assembly, disassembly and repair.
7. Samples and processed products for commercial display and products with performance overload test

The table of toxic and hazardous substances/elements and their content

Part name	Hazardous and noxious substance or elements					
	Pb	Hg	Cd	Cr(Vt)	PBB	PBDE
Cable	○	○	○	○	○	○
Electronic parts	×	○	○	○	○	○
Injection molded parts	○	○	○	○	○	○

○: Indicates that this toxic or hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in SJ/T 11363-2006 《Requirements for Concentration Limits for Certain Hazardous Substances in Electronic Information Products》.

×: Indicates that this toxic or hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in SJ/T 11363-2006 《Requirements for Concentration Limits for Certain Hazardous Substances in Electronic Information Products》. Due to limitations of science and technology development, these toxic or hazardous substances cannot be replaced or reduced for now. Under normal use conditions, no leakage or abrupt change will occur within 10 years, nor will it cause pollution to the environment or damage to people and property.

10 Environment-Friendly Use Period:

This mark refers to the environment-friendly use period of electronic and electrical products sold in accordance with the Regulation of the People's Republic of China on Limit on Use of Hazardous Substances in Electric and Electronic Products and General Guidelines of Environment-friendly Use Period of Electronic Information Products.

WARRANTY CARD

Customer Name		Phone		Postcode	
Mailing Address					
Product Name		Model			
Date of Purchase					
Province		City/town			

REPAIR FORM

Date	Description	Replaced parts		Maintenance Technician
		Name	Quantity	

★ For any question, please contact your local dealer.