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Respected clients:

Thanks for choosing us. We hope you take your valuable time to read the user manual before using the barcode reader. Hope this will be a good base for a smooth use. Any enquiries, please contact us. Thanks.

I Product Characteristic:

a. Exquisite and beautiful design, external protected by soft rubber and internal scientific solidification structure, so its drop resistance better than ordinary scanner.

b. The latest technical accomplishment is applied to the engine and decoding function, reading codes better and faster than the similar in the market.

c. Easy using, easy setting.

d. Large capacity, 1.5 times higher than ordinary scanner, it guarantees use longer after fully charged.

II Function and Use Description

a. Automatic frequency hopping and strong anti-interference capacity.

a. Under the “Normal Mode”, the transmission distance is 20m-100m where there are obstacles, the transmission distance is over 400m where there are no obstacles. If exceed the transmission distance or the data is loaded failed, 3 short prompt sound will be sent out.

b. Each scanner has a unique mechanical ID, it guarantees not disturb each other when many scanners work at the same time.

c. The customizable ID enables the user to distinguish the data source easily.

d. The pairing method is very simple, one pairing can be used for a long time and repeated pairing is applicable.

f. The “Check Mode” is simple and can be used easily, and can storage 500-10000 barcode messages (customization is needed if messages are more than 500).

g. Automatic sleeping, the sleeping current is less than 10UA, which largely prolongs the standby time of battery.

h. A special charging circuit guarantees the charging safety.

i. Scanner can be forced shutdown after pressing trigger 12s in any case

III : Pairing Operation

1. Pairing Mode



One to One



One to One and Storage



One to More



More to One

Pairing operation: first insert the receiver into the computer usb interface and the receiver indicator light will be on (default is 5s). Need to read “One to One” barcode in 5s, the scanner will have two “beeps” and the light will be off and shortly to flickering mode. This shows the scanner can communicate. If not succeed there will be three “beeps”, should pair again.

The “One to One” mode can support 1 million scanners working at the same location.



One to One Stored
Data Upload



Total One to One
Stored Data



One to One Stored
Data Reset



One to One Stored
Data Restore



One to One Stored Data
Breakpoint Continuingly



Clear All One to More Pairing



Clear All More to One Pairing

(II) ID Display and Hiding Setting



Opening ID Setting



ID Display



ID Hiding

Note: When paired devices including scanners/usb receivers are broken or lost, in order not to effect the transmission speed, you can read “Clear All One to More Pairing” or “Clear All More to One Pairing” barcode to clear previous pairing, then pair it again.

ID Setting Parameters



0



1



2



3



4



5



6



7



8



9

(III) Sleeping Time Setting



Opening Time Setting



20S



30S



60S



2min



5min



10min



20min



8 hour



No Sleeping

(IV) Working Mode Setting



Normal Mode



Non-Losing Mode



Check Mode



Total Checking Data



Upload Checking Data



Clear Checking Data



Restore Checking Data



Clear Non-Losing
Stored Data



Total Non-Losing mode
Stored Data



Checking Data Breakpoint
Continuingly



Turn On The Sound Of
Store Data Upload



Turn Off The Sound
Of Store Data Upload

Explanation: User “Non-Losing Mode”, when exceeding the wireless transmission range, the data will be stored and after reaching the wireless transmission range the data will be uploaded to the receiver. If no need the stored data, please read “Clear Non-Losing Mode Stored Data” barcode setting to clear data.

“Restore Checking Mode” can only restore the last time checking data. “Checking Data Breakpoint Continuingly” refers to the outage when data is during the upload process, just recharge the scanner, and read “Checking Data Breakpoint Continuingly” setting code, the last remaining data will be uploaded.

(IV) Checking Data and Non-Losing Mode Stored Data Upload Time Setting



0.1S



0.5S



1S



2S



3S



4S



5S

USB Upload Data Character Interval Time Setting



Interval Time Setting



0ms



25ms



50ms



75ms



100ms



125ms

(Attention: When USB receiver is used for Linux system equipment, please set “Interval Time Setting” as 75 ms.)

Language Setting



English



Italian



German



French



Turkish



Czech



Finnish



Spanish

(V) Working Status Shift



Recovery Routine



Wireless Mode

Attention: When there is mess code or recover some default settings, can read “Recovery Routine”, and then read “Wireless Mode” can be used as normal.

VI) UPC & EAN Attached Code Settings



Close UPC&EAN
Attached Code



Add 2 Bits Attached
Code to UPC&EAN



Add 5 Bits Attached
Code to UPC&EAN



Add 2 and 5 Bits Attached
Code to UPC&EAN

Enter and Line Skip Setting



Enter



Line Skip



Cancel Enter

ASCII Code Setting

Attention: This setting aims to code 39 reading incompleted characters.



Close

I. Add Prefix

Step 1: Read the “Add Prefix” Code (*This step will clear the former prefix)



Add Prefix

Step 2: Read the “Prefix and Suffix Character Barcode” that you want (32 characters most)

II. Add Suffix

Step 1: Read the “Add Suffix” Code (*This step will clear the former suffix)



Add Suffix

Step 2: Read the “Prefix and Suffix Character Barcode” that you want (32 characters most)

III. Conceal Previous Character

Step 1: Read the “Conceal Previous Character” Code (*This step will clear the former setting)



Conceal Previous Character

Step 2: Read the “the Number of Concealed Character Barcode” that you want (32 characters most)

IV. Conceal Behind Character

Step 1: Read the “Conceal Behind Character” Code (*This step will clear the former setting)



Conceal Behind Character

Step 2: Read the “the Number of Concealed Character Barcode” that you want (32 characters most)

V. Prefix and Suffix Character Barcode



0



1



2



3



4



5



6



7



8



9



A



B



C



D



E



F



G



H



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VI. the Number of Concealed Character



01



02



03



04



05



06



07



08



09



10



11



12



13



14



15



16



17



18



19



20



21



22



23



24



25



26



27



28



29



30



31



32

VII. Add Prefix and Suffix Function Key Setting Code



F1



F2



F3



F4



F5



F6



F7



F8



F9



F10



F11



F12



BS/Back Space



Scroll lock



Inert



Delete



Home



End



Page Up



Page Down



Up



Down



Left



Right



Num Lock



Caps Lock



Enter



Spale



Esc



Tab



L_Alt on



L_Alt off



R_Alt on



R_Alt off



L_Ctrl on



L_Ctrl off

IV Simple Operation Guide

I) Pairing operation: first insert the receiver into the computer usb interface and the receiver indicator light will be on (default is 5s).Need to read “One to One” barcode in 5s , the scanner will have two “beeps” and the light will be off and shortly to flickering mode . This shows the scanner can communicate.

Attention: Pairing operation needs to accomplish in 5 seconds and can not set after blue indicator light is flicking. Needs to pull off usb receiver and insert receiver into the usb interface and re-set as the previous steps. If not succeed there will be three “beeps” , if succeed there will be two “beeps” .

II.ID Setting

After pairing operation is set, scanning “ Opening ID Setting” , then scanning number you need(Read “0” and “1” represent the ID is 1).

III. Switching off

When the scanner arrives at the previous set sleeping time, it is switched off automatically

(the default setting is 20s). Meantime it can be switched off compulsively by pressing the on/off button for 2 seconds. if the sleeping time is too short, an self-customize sleeping time(e. g. 2minutes).

IV) Charging

Please use our equipped charging cable to charge the scanner. If indication light is red, battery is being charged. When the battery is charged fully, the indication light will turn to blue.

Note: Under the “Non-losing Mode” , when the signal exceeds the transmission distance and the receiving terminal cannot receive signals, barcode data which are read will be stored automatically, which guarantees the barcode data will not be lost.

The lost barcode data which are stored will be loaded in the computer automatically as long as the scanner can receive signals. Under this mode, working will not affected by the transmission distance and the work efficiency of the user can be greatly improved !

V Sound Promotion Guide

- 1.Scanning setting alarm: One short beep.
- 2.Pairing operation failure: Three short beeps.
- 3.Data Unloading Success: two short beeps, Failure: three short beeps.
- 4.Low voltage alarm: A long beep happens when the scanner is on or scanning.

VI Performance Parameters

Light Source Type: Visual lasing diode, the wave length is 650nm

Trigger Mode: Manual (can be switched off after the on/off button is pressed for several seconds).

Scanning Speed: 100 2times/second

Resolution: $\geq 4\text{mil}$

The lowest reflectivity difference is 30%

Bit Error Rate: 1/50 million

Charging input voltage: 5VDC 0.25V

Power: 100 mw(working), 500mw(momentary maximum)

Current: 20 ma(working), 100ma(momentary maximum) Weight: 200g
Depth of Field: 5mm-630mm Light Intensity: 3000-12000Lux
Standby Current: <20mA Hull material: ABS+PC
Promotion pattern: Buzzer and LED indicator Packaging level: IP 52
Scanning angle: 60 65 42 (Left and right, front and back, rotation)
Gun Size: Length*Width*Height: 158mm*68mm*96mm
Charging interface type: RJ-45 crystal head, one meter long (equipped with 5V charger; the battery is being charged when the red light is on and fully charged when the blue light is on)
Temperature: 0 °C to 50 °C(Work)-40 °C to60 °C (Storage)
Setting mode: Manual (scanning and setting barcodes according to the sequence)
EN60825-1. Class1, state level-I laser safety standard
EMC: EN55022, EN55024 Electrical Safety: EN60950-1

Anti-seismic capacity: This product can still work properly after falling down and being impacted on the concrete floor from 3 meter.

About the Warranty

I. Since you buy our product with this card, you can enjoy the service of one year repair and lifelong maintenance for the rubber and plastic parts of the barcode scanner, 6 months repair service for the battery and the charger, and 3 months repair service for the data cable. During the repair period, the maintenance of the product is free. Expire the warranty, we will charge the replaced components and maintenance cost.

II. If the product belongs to one of the below situations and verified by manufacturer, the user can't enjoy the free maintenance service:

- a. Expire the warranty period;
- b. The barcode scanner body is disassembled or the camera of the scanner is damaged;
- c. The surface or internal component of the scanner is seriously damaged;
- d. The product is damaged due to the wrong installation or operation;
- e. The serial number of the scanner is altered or does not confirm to the number written on the card.

- f. The scanner is damaged due to an artificial fault. For instance, it is inundate.
- g. The scanner is damaged due to natural disasters, e. g. fire disaster, flood and thunder stroke.
- h. The working or storage environment of the product, e. g. temperature or humidity, does not conform to the requirements in Operation Manual.

Thank You For Choosing Our Products !

User Information	Name	
	Address	
	Zipcode	
	Tel	
	Email	

Distributor Information	Name	
	Address	
	Zipcode	
	Operator Signature	
	Distributor Seal	

Maintenance Record

Date	Fault Description	Maintenance Record	Operator

Barcode Reader		Warranty Card
	Part No.	
	Serial No.	
	Purchase Date	

Please make sure to read the repair instructions and fill out the information carefully, the file is valid only if it is signed with the official seal of the authorized dealer.