Contents

Dear Clients,

Thanks for choosing our product. Please read this operating manual carefully before using this scanner. Any question after you read it, please contact us directly. Thanks again!

I. Features

1. The overall design of the product is delicate and exquisite. The head of the scanner, the handle and the base are protected by rubber, and the scientific internal structure design enhanced the Anti-knock function, which is unmatched by the common wireless barcode scanner in the market.

2. There is a new leap in the barcode reading function. With the new technologies of reading engine and the new decoding chip, the scanner can be read and transfered more quickly.

3. The easy setting procedure can make sure the client learn to use it quickly, which avoid the complex setting when you use it.

4.The big capacity battery is 1.5 times of the common scanner, so our scanner can be use for a longer time.

5.The far transmission distance: , i. e. 500m in the empty space (normally 50-200m in the room, which is according to the indoor structure.

6. Super larger memory: it can store 100, 00-300, 00 of barcode.

7.Powerful matching function: supporting 3 kinds of work modes (one to one, one-to-many and many-to-one). One receiver can receive messages from 255 pieces of scanner at the same time. In one to one mode, it can support 4080 pieces of scanner work at the same time and place.

8.Uploading the date intelligently, it can upload the date breakpoints continuingly (the scanner will store the barcodes in it's own memory, when the barcodes can not send to the computer successfully. And upload the barcodes to the computer when it is convenient)

9.Lower power consumption standby technology can save the power and increase of service life.

II. **Function Explanation**：

1.Storage function：the scanner will automatically store the date in it's own memory when the date can not upload to the computer successfully. (When the transfer distance is too far or there are other signal interruptions). It can sure the date will not be lost. It can store 100000-300000 barcode.

2.Low power alarm function：If the scanner enter the stand-by state automatically during reading the barcode or just turning on the scanner and the indicators flickers continuingly at the meantime, it means the battery need to be charged.

3.Stand-by state：when it is not used, it will enter the stand-by state automatically in 20 seconds.

4.Charging：Inserting the crystal plug into the interface of the scanner and inserting the usb plug into the computer's usb interface. When the indicator is red, it means it is being charged. When the red indicator flames out, it means the battery is charged fully

III. **Product Installation**

1.Connecting the receiver with the computer's usb interface, the computer will install the driver program automatically.

2.If the above step is failure, please pull the receiver out from the computer and repeat the above step again.

IV. Restore

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Program Restore

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Restore Factory Settings

Note：Only if the scanner can not read barcode successfully, please read "Program Restore ". When the scanner can read barcode successfully, please do not read "Program Restore".

V.Setting Of Work Mode

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Normal Mode

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Check Mode

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Total Data Upload

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Last Total Data Upload

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Breakpoint Continuingly

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Show Total Number
of Scanning

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Show Last Number
of Scanning

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Data Reset

Explanation:

1.Normal Mode : It is the default mode. The scanner will transfer the date to the receiver in this mode. If the receiver can receive the date successfully, then the scanner will make a sound of beep and the blue indicator will flicker once. If the date can not be receive successfully, the scanner will make three sounds of beep and the blue indicator will flicker three times and the scanner will store the date by it's own memory. When the date can not send out successfully 3 times continually, the scanner will change from "Normal Mode" to "Check Mode". The red indicatorwill keep light on in storage mode.

2..Check Mode: In this mode, the scanner will store the date automatically.

3. Total Data Upload: All the stored barcode in the scanner will upload to the computer.

4.Last Total Data Upload: It will upload the stored barcode you read in the last time.

5..Breakpoint Continuingly: the scanner will store the date in it's own memory, when the date can not send to the computer successfully. And upload the date to the computer when it is convenient. （For example: when you try to upload 20 pieces of barcodes, the transmission fail at the 8th barcode. Using this function will let the scanner upload the rest barcode(8th-20th).

6.Show Total Number of Scanning: It will let you know how many barcode stored in the scanner.

7.Show Last Number of Scanning: It will let you know how many barcode stored in the scanner last time. It will count the quantity of stored barcode after you used the "Upload the stored barcode of last time" function.

8..Data Reset: It will delete all the stored barcode in the scanner.

VI. Match Setting
1. Setting Of The Scanner

Enter into Settings

Exit Settings

Scanner Channel Setting

Scanner ID Setting

Barcode ID Setting

Restore Factory Settings of Transmitting Terminal

Explation:

a. Before any function set, you need read the "Enter into Settings" and then you can read the function or parameter you need and finally you need read the "Exit Settings".

For example: Here is the procedures for setting channel 10: First step: read the "Enter into Settings" and then read the "Scanner Channel Setting" Second step: read the "1" and then read the "0" and finally read the "#". Third step: read the "Exit Settings"

b. Barcode ID Setting: It can help you to add a number or word in front of the barcode. This function can help you to distinguish the barcode send from different scanner when you use one receiver to receive different barcode send from many scanners.

c.Scanner Channel Setting：The range of the channel is 0-15（the default channel is 15）.

d.Scanner ID Setting：The range of the ID is 0-254（ the default ID is 10）.

2. Setting Of the Receiver

Enter into Settings

Exit Settings

Receiving Terminal
Channel Setting

Receiving Terminal
ID Setting

Open Sending Barcode ID

Close Sending Barcode ID

Separate the ID and
Barcode by "TAB key"

Separate the ID and
Barcode by "Space key"

Separate the ID
and Barcode by " - "

Restore Factory
Settings of Receiver

Explanation：

1. The setting of "Receiving Terminal Channel Setting"and "Receiving Terminal ID Setting" are same as the "Scanner. Channel Setting" and "Scanner ID Setting".

2. Open Sending Barcode ID：It will display the ID added in the front of the barcode. Close Sending Barcode ID：The ID will not display in the front of the barcode.

3."Separate the ID and Barcode by"TAB key", "Separate the ID and Barcode by"Space key"and"Separate the ID and Barcode by"-"they means you can use different symbol to separate the ID and barcode. For example, the ID number is 10 and the barcode is 12345678. After you used the function of Separate the ID and Barcode by " - ", then the barcode will display like this：10-12345678

4.（A）During the function setting of receiver, the indicator will flicker and the buzzer will make sounds of beep continually.

For example:

The procedure of setting up the channel of receiver as 12："Enter into Settings"→ "Receiving Terminal Channel Setting" → "1" → "2" → "#"at this moment，the indicator will flicker and the buzzer will make sounds of beep continually.It means the receiver is ready to accept the order and keep the scanner near to the receiver and then pull out the receiver from the usb interface and plug into the usb interface→"Exit Settings"

（B）All the setting of the receiver is same as the above procedure.

（C）If the receiver can not been set or set unsuccessfully, the speaker makes the sounds continuously.

（D）Tips for the setting of receive: No matter what kind fail of the setting of the receiver, you only need to read the "Restore Factory Settings of Receiver" twice continuously.

Attention: Please keep"Scanner Channel Setting"and "Receiving Terminal Channel Setting"in the same channel. Please set up the same ID of "Scanner ID Setting"as "Receiving Terminal ID Setting".

3. Barcode Of Number

| 0 | 1 | 2 | 3 | 4 | 5 |

| 6 | 7 | 8 | 9 | # |

VII. Setting Of Repeated Code Detection.

1. Open And Close the Repeated Code Detection.

Open Repeated Code Detection

Close Repeated Code Detection

2. Repeated Code Detection Time

Interval Time Setting
of Repeated Code

1 Seconds

2 Seconds

3 Seconds

4 Seconds

5 Seconds

6 Seconds

Save And Exit Settings

VIII. Setting Of Attached Code Of UPC And EAN

Close The Attached
Code Of UPC & EAN

Add Two Bit Attached
Code To UPC & EAN

Add Five Bit Attached
Code To UPC & EAN

Add Two Bit And Five Bit
Attached Code To UPC & EAN

Open Line Skip

Cancel Enter

XI. Alarm

Scanning Mode

Scanning Mode	Are the date send successfully	Buzzer	Indicator
Common Mode	Yes	long alarm	Flickers once
	NO	Interrupted alarm	Flickers 3 times
Storage Mode	Yes	One short alrm	Flickers once

X. Add The Prefixes And Suffixes

1. Add the Prefixes

The first step: read the "Add Prefix" barcode. (This step will remove the prefixes you set before.)
The second step: read the needed barcode in Prefixes and Suffixes sheet.

Add Prefix

2. Add the Suffixes

The first step: read the "Add Suffix" barcode. (This step will remove the Suffixes you set before.)
The second step: read the needed barcode in Prefixes and Suffixes sheet.

Add Suffix

XI. Hide the prepositive/ postpositive character

1. Hide the prepositive character

The first step: read the "Hide The Prepositive" barcode. (This step will remove the set you made before)

The second step: read the needed barcode in the quantity of hiding character sheet.

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|||| ||| | ||||| ||| |||||||
```

Hide The Prepositiv

2. Hide the postpositive character

The first step: read the "Hide The Postpositive" barcode. (This step will remove the set you made before)

The second step: read the needed barcode in the quantity of hiding character sheet.

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|||| ||| | ||||| ||| |||||||
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Hide The Postpositive

The Parameter For The Prefixes And Suffixes

0	1	2	3	4	5
6	7	8	9		
A	B	C	D	E	F
G	H	I	J	K	L
M	N	O	P	Q	R

S	T	U	V	W	X
Y	Z				
&	,	(	)	*	+
!	,	:	;	.	−
⟨	⟩	=	/	″	♯

?	@	$	%	[	]
\	^	_	`	{	}
|	~				

The Parameter For Hide Prepositive/ Postpositive Character

01	02	03	04	05	06

07

08

09

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XII. **Parameters**

Source Type: Visible laser diode, wavelength 650nm
Trigger Mode: Manual
Scan Mode: Single scan
Scan speed: 100 ± 2 times
Resolution : ≥ 4mil
Print Contrast: 30% minimum reflectance difference.
BER: 1/5000000
Charging input voltage: DC 5VDC ± 0.25 V
Power: 100 mW (work): 400 mW (maximum instantaneous)
Current: 20 mA (work): 100 mA (maximum instantaneous)
Standby current: <20uA
The light intensity: 3000-12000Lux
Depth of field: 5mm-630mm
Scanning angle: ± 60 ° ± 65 ° ± 42 ° (left and right, front and rear, turn)
Decoding capability: UPC / EAN / JAN, UPC / EAN with Supplementals, UCC / EAN 128, Code 39, MSI, Code11, Code 39 Full ASCII, Code 39 TriOptic, Code 128, Code 128Full ASCII, Codabar, Code93, Discrete2of5, IATA, RSSvariants, Codabar, Chinese2of5, Inteleaved2 / 5, Interleaved2of5, the postal code and other countries Interpersonal GM - dimensional bar code
-Lift method: Buzzer, LED indicator.
Scanner: L * W * H: 158mm * 68mm * 96mm

Weight: 200g

Charging Interface Type: RJ-45 crystal head, length 1 m (with a USB charging cable, when the red light is charging

When the red light is off the battery is full)

Shell Material: ABS + PC

Temperature：0 ℃ to 50 ℃（work）：–40 ℃ to 60 ℃（storage）

Settings: manual (special barcode)

Laser safety class: EN60825-1, Class 1, the national level laser safety standards

EMC EMC: EN55022, EN55024

Electrical Safety: EN60950-1

Enclosure class: IP52

Seismic capacity: multiple drops from a height of 2 m to concrete still work

Accessaries：

Scanner	1 piece
Receiver	1 piece
USB charging cable	1 piece
Instruction manual	1 piece
Maintenance card	1 piece