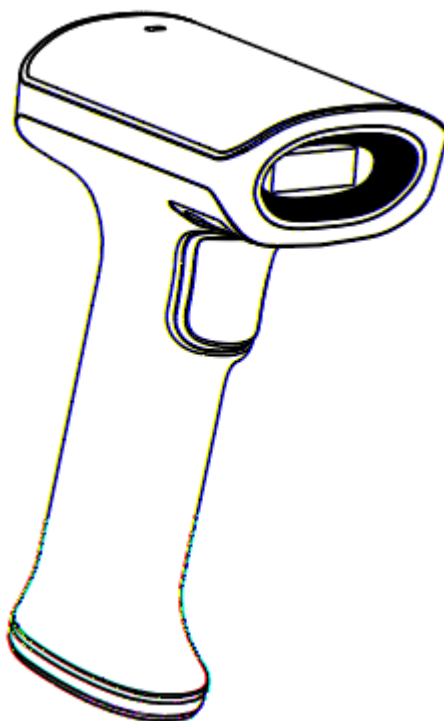




# **Handheld Barcode Scanner**

**N130BT**



## **User Manual**

**Xiamen Hanin Electronic Technology Co., Ltd.**

**ADD: 5F, 8# Building, Aide Airport Industrial Park, Huli District, Xiamen, China**

**WEB: [www.hpert.com](http://www.hpert.com)**



## **Disclaimer**

## Change Record

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<b>Chapter 2 Communication Interface .....</b>	<b>7</b>
<b>Chapter 3 Scanning Mode.....</b>	<b>15</b>
<b>Chapter 4 Illumination and Aiming .....</b>	<b>18</b>
<b>Chapter 5 Symbolologies .....</b>	<b>19</b>



<b>Chapter 6 Troubleshooting .....</b>	<b>38</b>
<b>Chapter 7 Scanner Settings .....</b>	<b>39</b>

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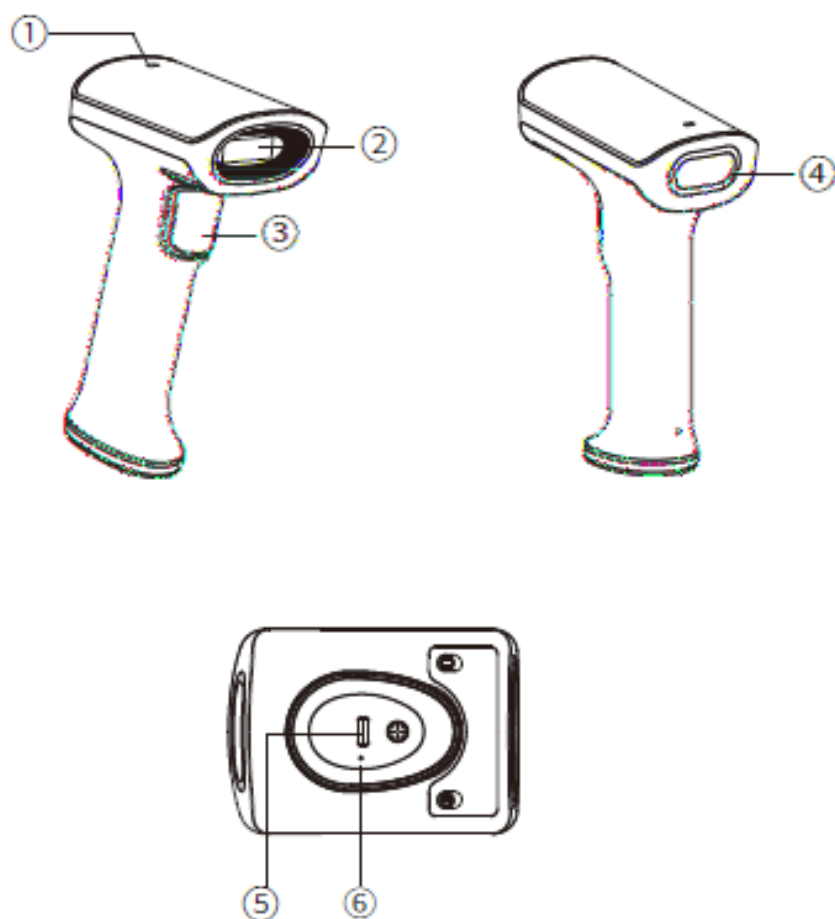
Chapter 1 Introduction

i € (



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## Appearance



① Sound Hole

② Scan Window

③ Scan Button

④ Indicator

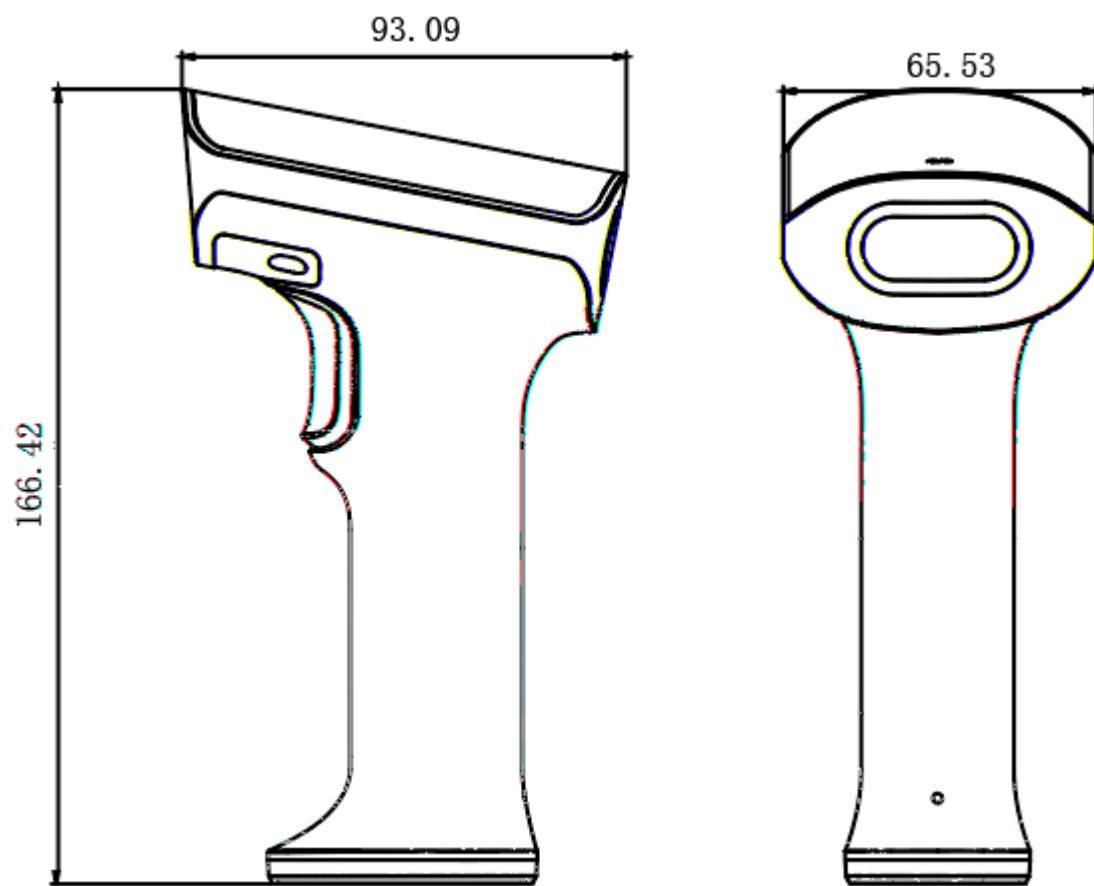
⑤ Type-C

⑥ Shutdown Hole

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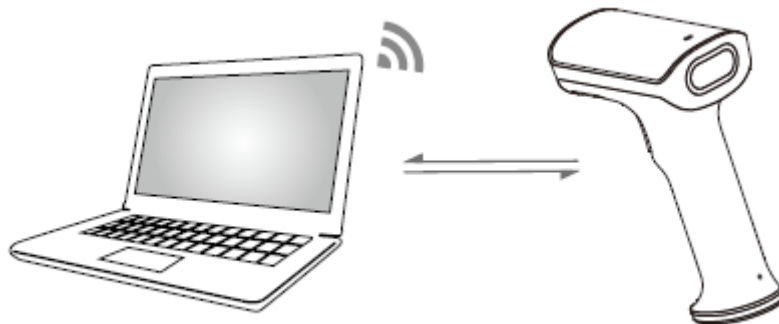
## Dimension



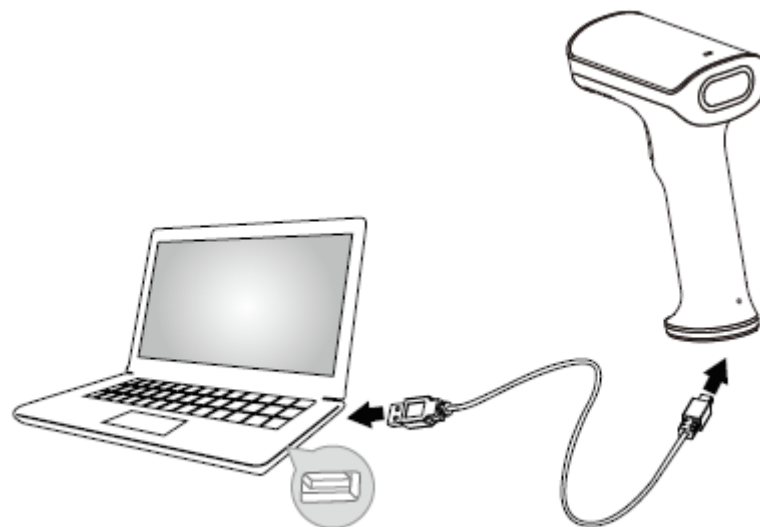
---

## Interface

### BT connection



### Type-c connection



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## Power on, Power off and Restart

■ Start up:

■ Shut down:

■ Restart:

## Maintenance



## Barcode Read

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**▲Note:** For the same batch of barcodes, the scanner keeps a very high success ratio in certain distance which is regarded as the optimal scanning distance.

## **Use the Setting Barcode**

## **Restore Factory Defaults**



---

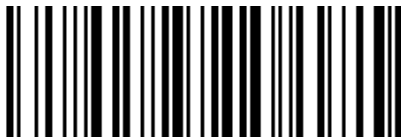
## Chapter 2 Communication Interface

### USB Interface

#### HID Virtual Keyboard



#### USB International Keyboard Setting





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## USB Virtual Serial Port



## Bluetooth Interface

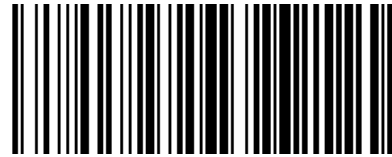


## Set scanner switch time (Bluetooth mode only)



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## Bluetooth pop-up iPhone keyboard settings (Bluetooth mode only)



## VID & PID Table

Device Name	Interface Type	PID (Hex)	PID (Decimal)

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## Chapter 3 Scanning Mode

### Manual Mode



### Sense Mode



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## Sensitivity



## ✧ Single Reading Time

## Continuous Mode



## ✧ Single Reading Time Limit

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## Command Programming

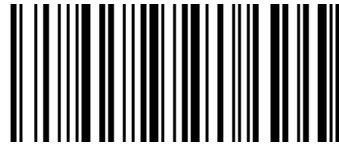
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## Chapter 4 Illumination and Aiming

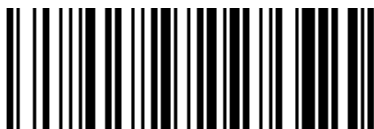
### Aiming



### Illumination



### Read success prompt tone



---

## Chapter 5 Symbologies

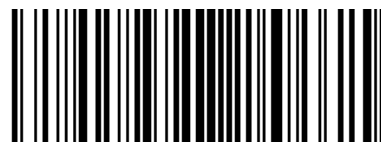
### 1D Barcode Setting

#### ENA-8

Enable/Disable EAN-8



Enable/Disable 2/5-bit Add-On code



Convert EAN-8 to EAN-13



---

## ENA-13

Enable/Disable EAN-13



Enable/Disable 2/5-bit Add-On code



## UPC-E

Enable/Disable UPC-E



Transmit check character



---

### Enable/Disable 2/5-bit Add-On code



### Convert UPC-E to UPC-A



### System character transmit



---

## UPC-E1



### Enable/Disable 2/5 Add-On code



## UPC-A

### Enable/Disable UPC-A



---

**Transmit check character**



**Enable/Disable 2/5-bit Add-On code**



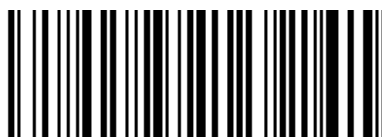
**Transfer system character**



---

## Code 39

Enable/Disable Code 39



Check character verification and transmit



Enable/Disable code 39 Full ASCII



---

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**Convert Code 39 to Code32**



**Code 32 prefix**



**Code 93**

**Enable/Disable code 93**



**Code 11**

**Enable/Disable code 11**

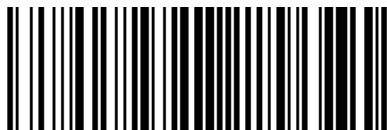


**Check Setting**

---

---





**Transmit check character**



## **Code 128**

**Enable/Disable code 128**



**Note:** if this barcode is set to disable, the scanner will not be able to scan and switch the corresponding function settings.

**Code 128 <FNC4>**



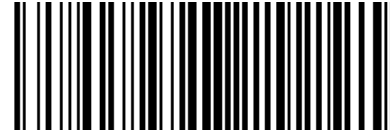
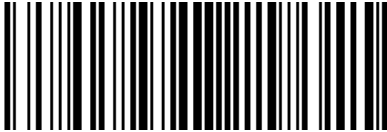
---

## Codabar

### Enable/Disable Codabar



### Start and stop characters



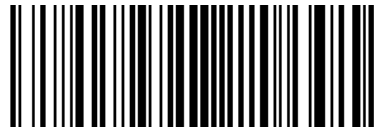
## MSI

### Enable/Disable MSI



### Check Setting

---



**Check bit algorithm**



**Transmit check character**

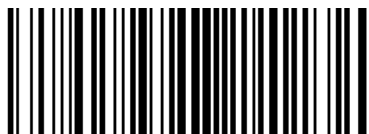
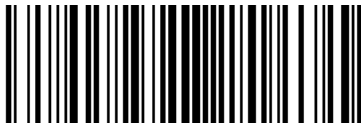


**Interleaved 2 of 5**

**Enable/Disable Interleaved 2 of 5**



**Check and transmit character**



**Convert I 2 of 5 to EAN-13**



**Matrix 2 of 5**

**Enable/Disable Matrix 2 of 5**



**Check and transmit character**

---



## Industrial 2 of 5

Enable/Disable Industrial 2 of 5



## Standard 25

Enable/Disable Standard 25



## ISSN



---

## ISBN



## Data bit setting



## ISBT 128

### Enable/Disable ISBT 128



## GS1 128

### Enable/Disable GS1 128



### Gs1-128 emulation mode for UCC/EAN composite code



## GS1 DataBar

## Enable/Disable GS1 DataBar



## Convert GS1 DataBar to UPC/ENA



**GS1 DataBar Limited**

## Enable/Disable GS1 DataBar Limited



## GS1 DataBar Expanded

## Enable/Disable GS1 DataBar Expanded



---

## 1D Barcode Inverse



## 1D Barcode Anti-color





---

## 2D Barcode Setting

### PDF417

Enable/Disable PDF417



### Data Matrix

Anti-color



Enable/Disable Data Matrix



Mirror Images



---

**Inverse**



**QR**

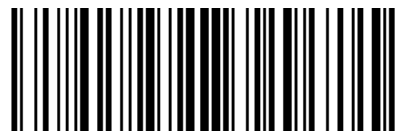
**Enable/Disable QR**



**Enable/Disable Micro QR code**

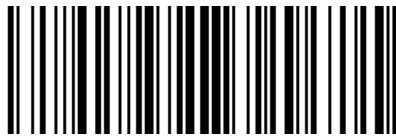


**Inverse**



---

**Anti-color**



**Aztec**

**Inverse**



**Anti-color**



---

## Han Xin

### Anti-color



### Inverse



---

## Chapter 6 Troubleshooting

**Q: There are some barcodes cannot be scanned.**

**Q: The barcode data is incorrect.**

**Q: Barcode can be read but not displayed.**

**Q: Aiming Light and Illumination are not bright.**

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# Chapter 7 Scanner Settings

## Barcode Setting Format

Prefix	Operand	Data

Version number——HYRS\_RE



Default HID single scan mode)

BT, COM)

Serial Port	USB Virtual Keyboard	BT	General Serial Port
-------------	----------------------	----	---------------------



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## Data prefix

	Disable	Custom Define

## Data suffix

	Disable	Custom Define

## Aiming device (ON/OFF)

	ON	OFF

## Illumination light (ON/OFF)

	OFF	Level 1	Level 2	.....	Level 9	Level 10

---



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### Multi code quantity

	OFF	2	3	.....	6	7

### Multi code sensitivity

Level 1
---------

---

## Timeout setting of the same barcode in non-single scan mode

Variable	

## Sensitivity

Normal	Fast	Ultra-Fast



## Center aiming decode setting

Enable	Disable

---

---

## ■ Commands that support only barcodes


User Information

Value to Encode

☐ Generate label

15

☒ HEX

Encoding

Code 128

Encode

Save As

Print

Encoded Value

110100001001001111001010011110  
0101100011101011

Foreground Color

Background Color

Width

Height

150

150

Barcode Image



Encoding Type: CODE128

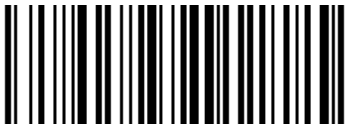
## Barcode function settings

## ITF cut the first few bits of data

	Enable	Disable



## Convert grouping character to space



### Remove zero data at the beginning of barcode

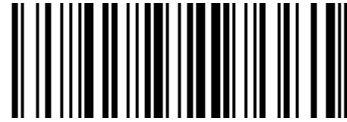


## Remove or reduce space



---

**Skip the number of characters before barcode data**



**Skip the number of characters after barcode data**



**Barcode data case conversion**



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**Insert characters into barcode data**

**Compound command parameters**

**Common suffix**



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■ Prefix and Suffix



SP



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A

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B



C



D



E



F



G



H



I



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L



M



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P



Q

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R



S



T



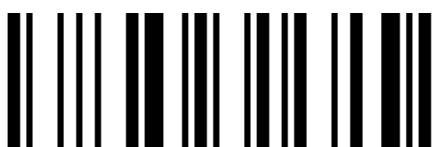
U



V



W



X



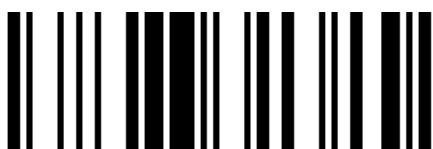
Y



Z



[



\



]



^



\_



'



a

---



b



c



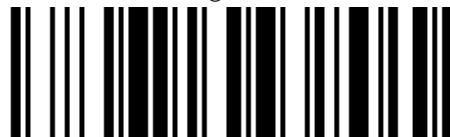
d



e



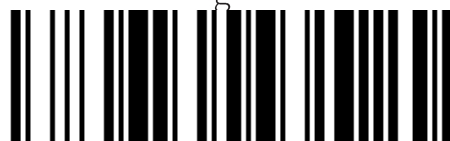
f



g



h



i



j



k



l



m



n



o



p



q

---

---



r



s



t



u



v



w



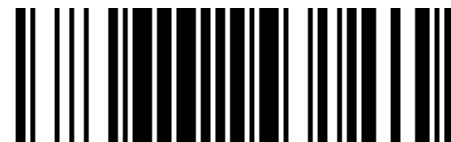
x



y



z



{



|



}



~



DEL

---

---

---

## Appendix III ASCII Code Table

00	0	NUL (Null char.)
01	1	SOH (Start of Header)
02	2	STX (Start of Text)
03	3	ETX (End of Text)
04	4	EOT (End of Transmission)
05		



21	33	! (Exclamation Mark)
22	34	" (Double Quote)
23	35	# (Number Sign)
24	36	\$ (Dollar Sign)
25	37	% (Percent)
26	38	& (Ampersand)
27	39	` (Single Quote)
28	40	( (Right / Closing Parenthesis)
29	41	) (Right / Closing Parenthesis)
2a	42	* (Asterisk)
2b	43	+ (Plus)
2c	44	, (Comma)
2d	45	- (Minus / Dash)
2e	46	. (Dot)
2f	47	/ (Forward Slash)
30	48	0
31	49	1
32	50	2
33	51	3
34	52	4
35	53	5
36	54	6
37	55	7
38	56	8
39	57	9
3a	58	: (Colon)
3b	59	; (Semi-colon)
3c	60	< (Less Than)
3d	61	= (Equal Sign)
3e	62	> (Greater Than)
3f	63	? (Question Mark)
40	64	@ (AT Symbol)
41	65	A
42	66	B
43	67	C
44	68	D



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---

69	105	i
6a	106	j
6b	107	k
6c	108	l
6d	109	m
6e	110	n
6f	111	o
70	112	p
71	113	q
72	114	r
73	115	s
74	116	t
75	117	u
76	118	v
77	119	w
78	120	x
79	121	y
7a	122	z
7b	123	{ (Left/ Opening Brace)
7c	124	(Vertical Bar)
7d	125	} (Right/Closing Brace)
7e	126	~ (Tilde)
7f	127	DEL (Delete)

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