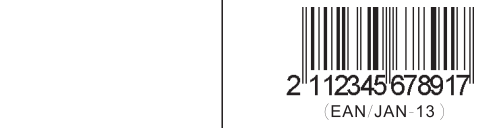
Test Code



(EAN/JAN-13)



(UPC-A)



(CODE128)


123456test
(QR CODE)


123456test
(AZTEC CODE)

2D image barcode scanner
2D wireless barcode scanner
User Guide (In common Use)

Note: Please do not scan this Manual 's codes casually .



Factory Default

Factory Default Situation

Functions	Default
Interface	USB-HID
Prefix	NON
Suffix	NON
Trigger	Manual
illumination	ON
Buzzer	High
Serial Port Specification	Baud rate (115200)
	Check Bit(none)
	Data Bits(8)
	Stop Bits(1)
Image invert	OFF
USB-HID Language	US keyboard



Quit Settings

Scan the code to quit all current settings before power outage.

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The 2D image scanner supports 4 kind of interfaces :USB-HID, USB-COM,RS232,TLLUART.

(1)USB-HID, Use standard USB hardware port and HID keyboard driver (System default ,free installation).All devices that can use USB keyboard are available to this mode .

(2)USB-COM,Use standard USB hardware port and USB virtual. serial port driver (Use the driver from Our company).In this mode ,USB interface will be simulated as a serial number assigned to a serial .(E.g :COM1) . Same as using RS232 interface .

(3)RS232 , Use standard DB9-pin serial interface and Standard RS232 serial interface protocol.All devices which can be Serial peripheral are available to this mode . (This mode is not applicable to code setting .Only set by specific cable or factory default .)

(4)TTLUART , Available to use customized interface and TTL Serial Interface Protocol.All devices which can be Serial peripheral are available to this mode . (This mode is not applicable to code setting .Only set by specific cable or factory default .)



USB-HID

(Default)
Scan this code can enter
to USB-HID mode.

Can this code can enter
to USB-COM mode.



USB-COM

2.Prefix settings

Set the digital bar code with customized prefix , customized prefix setting and prefix in hexadecimal value ,then scan “save setting “ .
Please make a reference to ASCII TABLE for the hexadecimal value.
Example to add a prefix :
Set customized prefix “ODE”
(1)Find the ASCII code which is corresponding to ODE in ASCII TABLE for the hexadecimal value : 4F ,44 ,45 .
(2)Scan “Add prefix ”
(3)Scan code number 9. Then orderly scan 4，F,4，4，4，5. (Must scan 9 as it means that can add all characters)
(4)Scan “Save setting” in the appendix .

Add a prefix.



Add prefix

Delete the prefix settings.



Delete prefix

3.Suffix settings

Set the digital bar code with customized suffix , customized suffix setting and suffix in hexadecimal value ,then scan “save setting “ . Please make a reference to ASCII TABLE for the hexadecimal value.

Example to add a suffix :

Set customized suffix “ODE”

(1)Find the ASCII code which is corresponding to ODE in ASCII TABLE for the hexadecimal value : 4F ,44 ,45 .

(2)Scan “Add suffix ”

(3)Scan code number 9. Then orderly scan 4，F,4，4，4，5. (Must scan 9 as it means that can add all characters)

(4)Scan “Save setting” in the appendix .

Add a suffix .



Add suffix

Delete the suffix which has been set.



Delete suffix

Add a suffix ENTER and Line feed Bits.



Add Enter Line feed

Add enter suffix Bits.



Add Enter

Add Line feed suffix Bits.



Add Line feed

Add suffix TAB Bits.



Add TAB

4.Trigger Method

These codes can set the operating method of our 2D image barcode scanner.

(Default)
After scan this code need press the button to triggering the scanner into operating situation then reading the code

Manual

Set the operating method.

Works Always Mode

5.Illumination Method



(Default)
Open the white LEDs.

Light ON

Off the white LEDs.



Light OFF

6.Buzzer voice adjust settings

This 2D image barcode scanner can set buzzer voice be Higher ,Mid,Lower or OFF buzzer .

(Default)
Higher voice mode(Buzzer voice highestst atus).



Higher

Mid voice mode



Mid



Lower

Lower voice mode.

OFF voice .



OFF

7.Serial port mode settings

(1). Set serial port specification details.
(2).Scan the coresponding code set the band rate.
(3).Corresponding codes set.



(Default)
Serial port Baud rate Bits 115200.

Baud rate 1152000

Set the serial port
Baud rate as 600.



Baud rate BR0600

Baud rate as 1200.



Baud rate 1200

Baud rate as 2400.



Baud rate 2400

Baud rate Bit 4800.



Baud rate 4800

Baud rate as 9600.



Baud rate 9600



Baud rate19200

Baud rate as 19200.

Baud rate as 38400.



Baud rate 38400



Baud rate 57600

Set Baud rate as 57600.

(Default)
NONE check/8bits data Bits1
/stop Bits.



NONE.8.1



NONE check 7bits data Bits /1 stop Bits.

NONE.7.1

NONE check 7bits data Bits/ 2 stop Bits.



NONE.7.2



EVEN check 8bits data Bits ,1 stop Bits.

EVEN.8.1

EVEN check 7bits data Bits , 1 stop Bits.



EVEN.7.1



EVEN check 7bits/data /Bits ,2 stop Bits.

EVEN.7.2

ODD check/8bits data /Bits , 1 stop Bits.



ODD.8.1



ODD check 7bits data Bits ,1 stop Bits.

ODD.7.1

ODD check/7bits data Bits /2 stop Bits.



ODD.7.2

8.Image Invert



Cancel image invert

(Default)
Cancel image invert.

Image invert.



Image invert

9.USB-HID Languages Settings

Scan these codes can set correspondingcountries keyboard .



USA



UK



France



Italy

(30)



Belgium



Germany

(31)



Spain



Turkey-F

10.ASCII TABLE

ndix 4: **ASCII Table**

Hex	Char
00	NUL (Null char.)
01	SOH (Start of Header)
02	STX (Start of Text)
03	ETX (End of Text)
04	EOT (End of Transmission)
05	ENQ (Enquiry)
06	ACK (Acknowledgment)
07	BEL (Bell)
08	BS (Backspace)
09	HT (Horizontal Tab)
0a	LF (Line Feed)
0b	VT (Vertical Tab)
0c	FF (Form Feed)
0d	CR (Carriage Return)
0e	SO (Shift Out)
0f	SI (Shift In)
10	DLE (Data Link Escape)
11	DC1 (XON) (Device Control 1)
12	DC2 (Device Control 2)
13	DC3 (XOFF) (Device Control 3)
14	DC4 (Device Control 4)
15	NAK (Negative Acknowledgment)
16	SYN (Synchronous Idle)
17	ETB (End of Trans. Block)
18	CAN (Cancel)
19	EM (End of Medium)
1a	SUB (Substitute)
1b	ESC (Escape)
1c	FS (File Separator)
1d	GS (Group Separator)

Hex	Char
1e	RS (Request to Send)
1f	US (Unit Separator)
20	SP (Space)
21	! (Exclamation Mark)
22	" (Double Quote)
23	# (Number Sign)
24	$ (Dollar Sign)
25	% (Percent)
26	& (Ampersand)
27	` (Single Quote)
28	((Right / Closing Parenthesis)
29	) (Right / Closing Parenthesis)
2a	* (Asterisk)
2b	+ (Plus)
2c	, (Comma)
2d	– (Minus / Dash)
2e	. (Dot)
2f	/ (Forward Slash)
30	0
31	1
32	2
33	3
34	4
35	5
36	6
37	7
38	8
39	9
3a	: (Colon)
3b	; (Semi–colon)
3c	< (Less Than)
3d	= (Equal Sign)

Hex	Char
3e	> (Greater Than)
3f	? (Question Mark)
40	@ (AT Symbol)
41	A
42	B
43	C
44	D
45	E
46	F
47	G
48	H
49	I
4a	J
4b	K
4c	L
4d	M
4e	N
4f	O
50	P
51	Q
52	R
53	S
54	T
55	U
56	V
57	W
58	X
59	Y
5a	Z
5b	[(Left / Opening Bracket)
5c	\ (Back Slash)
5d	] (Right / Closing Bracket)

Hex	Char
5e	^ (Caret / Circumflex)
5f	_ (Underscore)
60	' (Grave Accent)
61	a
62	b
63	c
64	d
65	e
66	f
67	g
68	h
69	i
6a	j
6b	k
6c	l
6d	m
6e	n
6f	o
70	p
71	q
72	r
73	s
74	t
75	u
76	v
77	w
78	x
79	y
7a	z
7b	{ (Left/ Opening Brace)
7c	| (Vertical Bar)
7d	} (Right/Closing Brace)
7e	~ (Tilde)
7f	DEL (Delete)

11. appendix



0



1



2



3



4



5



6



7

(42)



8

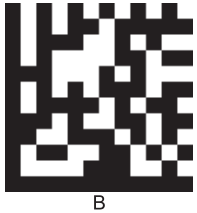


9

(43)



A



B

(44)



C



D

(45)



E



F



Save Settings

12.Instruction for Bluetooth Pair Mode

(1).Scanners pair with receiver base (Both of our company).
Enter Settings
Open a SPP Channel
Disconnect previous connection
Scan receiver MAC address code.
Finished SPP Bluetooth settings
Many to one Mode : Scan the bar codes aboved orderly
2.Our scanners pair with any Bluetooth Receiver.(PC)
1) HID Mode
Enter Settings
Open a HID Channel
Disconnect previous connection
Setting Bluetooth module as visible
Finished HID setting
Search for Bluetooth pairing in the computer end, if the last connection is HID mode, automatic re-connect with previous adapter after a restart .

2) Spp Mode
Enter Settings
Open a SPP Channel
Disconnect previous connection
Setting Bluetooth module as visible
Finished SPP Bluetooth settings
3.Disconnect and Reconnect Function.
The module supports disconnect and Reconnect Function. Applies to the following conditions:
Power off, out of range lead to the disconnect and the adapter unplugged.
1.Power off : After a restart , the module will. automatically reconnect a paired adapter and keep the last connection working status.HID,SPP.
2.Out of range leads to disconnect: Re come within a reasonable distance, the module automatically reconnect the adapter.
3.The adapter unplugged: Module automatically. searches adapter, when you plug the adapter ,it will automatically reconnect successfully. Need an adapter plugged into the same computer.
4.The Default Password is 0000.
5.Mobile end paired same as PC terminal only need scan”Open randomcodes confirmation automatically “ and “Open random codes quick. paired”.



Enter Settings



Open a HID Channel



Disconnect previous connection



Open a SPP Channel

Setting Bluetooth
module as visible

Finished HID
Bluetooth settings

Auto reconnection

Finished SPP Bluetooth
settings



Open random codes
confirmation automatically



Open random codes
quick paired

2.Bluetooth reveiver

Bluetooth receiver (Includes receiver , USB Portable receiver)interfaces supported USB-HID,USB-COM,RS232, TTLUART.The receiver port nonsupport codes setting,need set in original factory .

3.Bluetooth receiver Languages settings

Scan these codes can set receiver corresponding Languages.



USA



UK



France



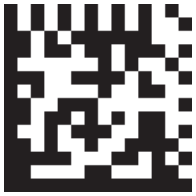
Italy



Belgium



Germany



Spain



Turkey-F

13.Storage related functions codes

These codes can let the barcode scanners enter into storage status and finish related functions.



Inventory model



Up all data



Uplode Data



Clear Data

Cyrillic-UTF-8

QR Code Settings

UTF-8

Shift_JIS

RUSSIA