Wireless 2D Barcode Scanner
Full Manual

V4.5.1

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Part I: Wireless Function Setting

Version No.

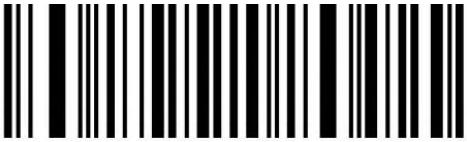


Scanner version number



Receiver version number
(need to pair scanner with receiver first)

Wireless Function Factory Default Setting



Restore factory default

Note: The * is the factory default.
Note: There has another default setting code for scan module function setting on page 28.

2.4G Mode Pairing



2.4G mode*
(The scanner is paired with the receiver by factory default)



2.4G receiver pairing

Note:
Step 1: Scan ‘2.4G mode’;

Step 2: Scan ‘2.4G receiver pairing’

Bluetooth HID Mode Pairing



Bluetooth HID mode

Note: The scanner will pair with the bluetooth device automatically which is paired before.



Bluetooth HID pairing

Note:

Step 1: Scan ‘Bluetooth HID mode’;

Step 2: Scan ‘Bluetooth HID pairing’

Bluetooth BLE Mode Pairing



Bluetooth BLE mode pairing

Note: Please download or develop low-power Bluetooth BLE transfer software if you need to use this function.

Bluetooth SPP Mode Pairing



Bluetooth SPP mode pairing

Note: Please download or develop low-power Bluetooth SPP transfer software if you need to use this function.

Bluetooth HID Data Upload Speed



Ultra fast



Fast



Middle*



Ultra low

Note:

1. ‘Fast’ mode is recommended for IOS devices
2. For Android devices, please set the speed based on the response speed of the device.
3. Please turn down the speed when the upload content is chaotic or the data is lost.

Show or Hide Bluetooth HID Virtual Keyboard In IOS System



Show or hide the virtual keyboard in IOS system

Scanner Bluetooth Name Setting



Custom Bluetooth name

Note: You need to make a new setting code refer to the sample code, the front part '^&C0C&^' can not be changed, 'XXXX' is the name you need to customize. The max length of the name is 24 bytes.

Note: After changing the name, the Bluetooth HID/SPP/BLE names will be all changed.



ASCII custom Bluetooth name

Setting steps:

1. Scan 'ASCII custom Bluetooth name'
2. Refer to ASCII table on page 20 and scan the parameter codes you need to set as Bluetooth name.
3. Scan 'Save and finish setting' on page 18.

Note: The max length of the name is 24 bytes.



Restore factory default of Bluetooth name

Note: The ' Restore factory default' on page4 also can restore factory default of Bluetooth name.



Check Bluetooth name

Note: the Bluetooth name only can be checked under Bluetooth HID/SPP/BLE modes.



Check Bluetooth address

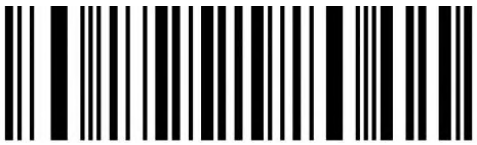
Note: the Bluetooth address only can be checked under Bluetooth HID/SPP/BLE modes. The Bluetooth address only can be displayed by serial debugging tools.

Data Upload Mode



Immediate mode

Note: The scanned data will be uploaded immediately, and the data will not be saved if the transfer failed.



Inventory mode

Note: The scanned barcodes will be saved automatically, please scan setting codes if you need to view statistical data or upload data.



Automatic storage mode

Note: If the scanner is out of connection distance, the data will be saved automatically. please scan setting code ‘upload all data’ when you need to upload the saved data.

Data Processing In Inventory Mode



Clear all stored data



Check number of stored data



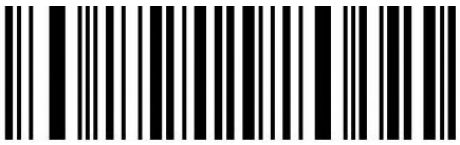
Upload all stored data

USB Receiver Interface Type

Setting the USB interface type will change the USB interface type of both the scanner and receiver.



USB-HID*



USB-VCOM

USB-HID Data Output Type



Transfer keyboard function keys



Send ASCII



Keyboard+ASCII mode 1



> 0x1F Send ASCII mode 2



Disable direct output F13-F24 in ASCII mode*



Enable direct output F13-F24 in ASCII mode



Enable ASCII 4 digits output

Number Lock Function



Enable



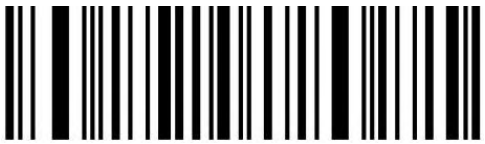
Disable*

Battery Status



Check battery status

Scanner Volume Setting



Mute



High volume*



Middle volume



Low volume

Scanner Sound Frequency Setting



2048HZ



2700HZ

Base Sound Setting



Mute



Enable base sound

Sleep Time Setting



Disable sleep



Enter sleep immediately



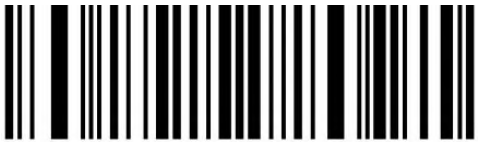
Enter sleep after 10s



Enter sleep after 30s



Enter sleep after 1min



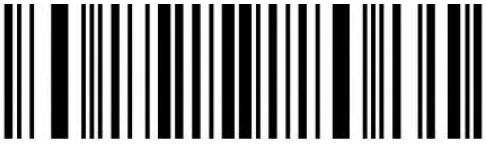
Enter sleep after 2mins



Enter sleep after 5mins*



Enter sleep after 10mins

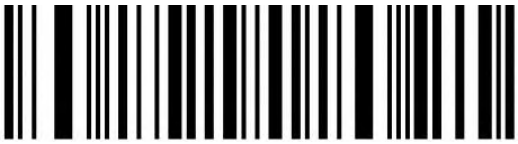


Enter sleep after 30mins

GS Character Replacement



No replacement*



Replace to <GS>



Replace to |



Replace to]



Replace to ^]



Replace to F8



Switch to custom GS replacement



Replace GS to AB

Note: In the setting code, ^&066&^C can not be changed. 2 indicates the number of new replacement characters. The maximum number of characters is 8. AB indicates the custom replacement content. You need to make a new code128 format setting code for custom replacement.

Setting steps for custom GS replacement

Step 1: Switch to custom GS replacement

Step 2: Replace GS to AB

Convert Case



Original data*



All convert to upper case



All convert to lower case

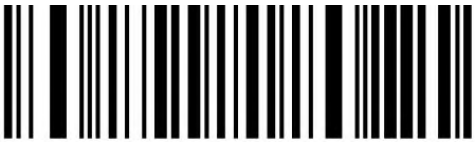


Case Inversion

Keyboard Layouts



English(United States)*



German



French



Italian



Canadian



Spanish(Spain)



Portuguese(Brazil)



Swedish



Portuguese(Portugal)



Belgian



Turkish F



Turkish Q



Italian14



Dutch(Netherlands)



Polish



Finnish



Spanish(Latin America)



Serbian



Hungarian



Danish



Norwegian



Japanese



KORI-8 convert to Russian



UTF-8 convert to Turkish



UTF-8 convert to Czech



Czech

Barcode Encoding Configuration

Generally, the barcodes encoding can be identified accurately.
Please set suitable encoding configuration if there have unique characters, to ensure correct data output.



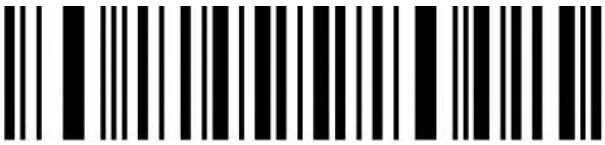
Unicode



Japanese Shift-JIS

Data Edit

Terminator



None



Enter*



LF



TAB



CR/LF

Hide Characters Setting

Note: for quick settings of hiding the front and back characters, please refer to the appendix(page 10) for details.



Hide the front characters

Note: Scan ‘Hide the front characters’, then scan ‘Save and finish setting’, the hidden front characters will be cleared.



Hide the back characters

Note: Scan ‘Hide the back characters’, then scan ‘Save and finish setting’, the hidden back characters will be cleared.



Save and finish setting

Prefix And Suffix Setting

Note: Scan ‘Add prefix/suffix’, then scan the content to be added (please refer to the ASCII code table in the wireless function part appendix), save and finish setting.



Add prefix

Note: Scan ‘Add prefix’, then scan ‘Save and finish setting’, the added prefix will be cleared.

Add suffix

Note: Scan ‘Add suffix’, then scan ‘Save and finish setting’, the added suffix will be cleared.

Save and finish setting

Examples for prefix and suffix setting

Ex. 1: Set AB prefix

1. Scan ‘Add prefix’
2. Scan ASCII data code of [A] [B] in ‘ASCII Data Code Table’(page 22)

^&441&^ A | ^&442&^ B

3. Scan ‘Save and finish setting’(page 18)

Ex. 2: Set F5 suffix

1. Scan ‘Add suffix’
2. Scan ASCII data code of [F5] in ‘ASCII Data Code Table’(page 22)

^&41A&^ SUB [F5]

3. Scan ‘Save and finish setting’(page 18)

Appendix

Wireless Function Setting Parameters Code Table		
	^&3F0&^ 0	
^&3F1&^ 1		^&3F2&^ 2

	 ^&3F3&^ 3	
 ^&3F4&^ 4		 ^&3F5&^ 5
	 ^&3F6&^ 6	
 ^&3F7&^ 7		 ^&3F8&^ 8
	 ^&3F9&^ 9	
 ^&305&^ Save and finish setting		

Hide The Front Characters Quick Setting

Note: By default, the number of digits hidden starts from the first digit

 ^&601&^ Hide the first character		 ^&602&^ Hide the front 2 characters
	 ^&603&^ Hide the front 3 characters	
 ^&604&^ Hide the front 4 characters		 ^&605&^ Hide the front 5 characters
	 ^&606&^ Hide the front 6 characters	
 ^&607&^ Hide the front 7 characters		 ^&608&^ Hide the front 8 characters

	 ^&609&^ Hide the front 9 characters	
 ^&60A&^ Hide the front 10 characters		 ^&60B&^ Hide the front 11 characters
	 ^&60C&^ Hide the front 12 characters	
 ^&60D&^ Hide the front 13 characters		 ^&60E&^ Hide the front 14 characters
	 ^&60F&^ Hide the front 15 characters	

Hide The Back Characters Quick Setting

Note: By default, the number of digits hidden starts from the last digit

 ^&701&^ Hide the last character		 ^&702&^ Hide the last 2 characters
	 ^&703&^ Hide the last 3 characters	
 ^&704&^ Hide the last 4 characters		 ^&705&^ Hide the last 5 characters
	 ^&706&^ Hide the last 6 characters	
 ^&707&^ Hide the last 7 characters		 ^&708&^ Hide the last 8 characters

	 ^&709&^ Hide the last 9 characters	
 ^&70A&^ Hide the last 10 characters		 ^&70B&^ Hide the last 11 characters
	 ^&70C&^ Hide the last 12 characters	
 ^&70D&^ Hide the last 13 characters		 ^&70E&^ Hide the last 14 characters
	 ^&70F&^ Hide the last 15 characters	

ASCII Data Code Table

	 ^&400&^ Null	
 ^&401&^ SOH(start of headline) [Insert]	 ^&402&^ STX (start of text) [Home]	 ^&403&^ ETX [End]
 ^&404&^ EOT [Delete]	 ^&405&^ ENQ [Page Up]	 ^&406&^ ACK [Page Down]
 ^&407&^ BEL [ESC]	 ^&408&^ BS [Backspace]	 ^&409&^ HT [Tab]
 ^&40A&^ LF [Enter]	 ^&40B&^ VT [Caps Lock]	 ^&40C&^ FF [Print Screen]
 ^&40D&^ CR	 ^&40E&^ SO	 ^&40F&^ SI [Pause/Break]

[Enter]	[Scroll Loc]	
 ^&410&^ DLE [F11]	 ^&411&^ DC1 [Direction key ↑]	 ^&412&^ DC2 [Direction key ↓]
 ^&413&^ DC3 [Direction key ←]	 ^&414&^ DC4 [Direction key →]	 ^&415&^ NAK [F12]
 ^&416&^ SYN [F1]	 ^&417&^ ETB [F2]	 ^&418&^ CAN [F3]
 ^&419&^ EM [F4]	 ^&41A&^ SUB [F5]	 ^&41B&^ ESC [F6]
 ^&41C&^ FS [F7]	 ^&41D&^ GS [F8]	 ^&41E&^ RS [F9]
 ^&41F&^ US [F10]	 ^&420&^ SP [Space]	 ^&421&^ !
 ^&422&^ "	 ^&423&^ #	 ^&424&^ $
 ^&425&^ %	 ^&426&^ &	 ^&427&^ '
 ^&428&^ (	 ^&429&^)	 ^&42A&^ *
 ^&42B&^ +	 ^&42C&^ ,	 ^&42D&^ -
 ^&42E&^ .	 ^&42F&^ /	 ^&430&^ 0

 ^&431&^ 1	 ^&432&^ 2	 ^&433&^ 3
 ^&434&^ 4	 ^&435&^ 5	 ^&436&^ 6
 ^&437&^ 7	 ^&438&^ 8	 ^&439&^ 9
 ^&43A&^ :	 ^&43B&^ ;	 ^&43C&^ <
 ^&43D&^ =	 ^&43E&^ >	 ^&43F&^ ?
 ^&440&^ @	 ^&441&^ A	 ^&442&^ B
 ^&443&^ C	 ^&444&^ D	 ^&445&^ E
 ^&446&^ F	 ^&447&^ G	 ^&448&^ H
 ^&449&^ I	 ^&44A&^ J	 ^&44B&^ K
 ^&44C&^ L	 ^&44D&^ M	 ^&44E&^ N
 ^&44F&^ O	 ^&450&^ P	 ^&451&^ Q
 ^&452&^ R	 ^&453&^ S	 ^&454&^ T
 ^&455&^ U	 ^&456&^ V	 ^&457&^ W

 ^&458&^ X	 ^&459&^ Y	 ^&45A&^ Z
 ^&45B&^ [	 ^&45C&^ \	 ^&45D&^]
 ^&45E&^ ^	 ^&45F&^ -	 ^&460&^ `
 ^&461&^ a	 ^&462&^ b	 ^&463&^ c
 ^&464&^ d	 ^&465&^ e	 ^&466&^ f
 ^&467&^ g	 ^&468&^ h	 ^&469&^ i
 ^&46A&^ j	 ^&46B&^ k	 ^&46C&^ l
 ^&46D&^ m	 ^&46E&^ n	 ^&46F&^ o
 ^&470&^ p	 ^&471&^ q	 ^&472&^ r
 ^&473&^ s	 ^&474&^ t	 ^&475&^ u
 ^&476&^ v	 ^&477&^ w	 ^&478&^ x
 ^&479&^ y	 ^&47A&^ z	 ^&47B&^ {
 ^&47C&^ |	 ^&47D&^ }	 ^&47E&^ ~

 ^&4C0&^ F13	 ^&4C1&^ F14	 ^&4C2&^ F15
 ^&4C3&^ F16	 ^&4C4&^ F17	 ^&4C5&^ F18
 ^&4C6&^ F19	 ^&4C7&^ F20	 ^&4C8&^ F21
 ^&4C9&^ F22	 ^&4CA&^ F23	 ^&4CB&^ F24

Add Ctrl, Shift, Alt, GUI Function Key

Note: Pressing and releasing of the function keys must be used in pairs. Otherwise, there will be hotkey issues such as data can not be uploaded and the computer being locked for no reason.

 ^&4D0&^ L-Ctrl Press	 ^&4D1&^ L-Shift Press	 ^&4D2&^ L-Alt Press
 ^&4D3&^ L-GUI Press	 ^&4D4&^ R-Ctrl Press	 ^&4D5&^ R-Shift Press
 ^&4D6&^ R-Alt Press	 ^&4D7&^ R-GUI Press	
 ^&4D8&^ L-Ctrl Release	 ^&4D9&^ L-Shift Release	 ^&4DA&^ L-Alt Release
 ^&4DB&^ L-GUI Release	 ^&4DC&^ R-Ctrl Release	 ^&4DD&^ R-Shift Release
 ^&4DE&^ R-Alt Release	 ^&4DF&^ R-GUI Release	

Appendix ASCII table

DEC	HEX	Character	DEC	HEX	Character	DEC	HEX	Character
32	20	<SPACE>	64	40	@	96	60	`
33	21	!	65	41	A	97	61	a
34	22	“	66	42	B	98	62	b
35	23	#	67	43	C	99	63	c
36	24	$	68	44	D	100	64	d
37	25	%	69	45	E	101	65	e
38	26	&	70	46	F	102	66	f
39	27	‘	71	47	G	103	67	g
40	28	(	72	48	H	104	68	h
41	29	)	73	49	I	105	69	i
42	2A	*	74	4A	J	106	6A	j
43	2B	+	75	4B	K	107	6B	k
44	2C	,	76	4C	L	108	6C	l
45	2D	-	77	4D	M	109	6D	m
46	2E	.	78	4E	N	110	6E	n
47	2F	/	79	4F	O	111	6F	o
48	30	0	80	50	P	112	70	p
49	31	1	81	51	Q	113	71	q
50	32	2	82	52	R	114	72	r
51	33	3	83	53	S	115	73	s
52	34	4	84	54	T	116	74	s
53	35	5	85	55	U	117	75	u
54	36	6	86	56	V	118	76	v
55	37	7	87	57	W	119	77	w
56	38	8	88	58	X	120	78	x
57	39	9	89	59	Y	121	79	y
58	3A	:	90	5A	Z	122	7A	z
59	3B	;	91	5B	[	123	7B	{
60	3C	<	92	5C	\	124	7C	|
61	3D	=	93	5D	]	125	7D	}
62	3E	>	94	5E	^	126	7E	~
63	3F	?	95	5F	_			

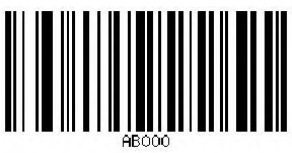
Control Character Table(USB-KBW Mode)

DEC	HEX	Key Value(Disable Control Character Escape)	Key Value(Enable Control Character Escape)
0	00	Reserve	Ctrl+@
1	01	Insert	Ctrl+A
2	02	Home	Ctrl+B
3	03	End	Ctrl+C
4	04	Delete	Ctrl+D

5	05	PageUp	Ctrl+E
6	06	PageDown	Ctrl+F
7	07	ESC	Ctrl+G
8	08	Backspace	Ctrl+H
9	09	Tab	Ctrl+I
10	0A	Enter(Output will be influenced by CR/LF settings)	Ctrl+J
11	0B	Caps Lock	Ctrl+K
12	0C	Print Screen	Ctrl+L
13	0D	Enter(Output will be influenced by CR/LF settings)	Ctrl+M
14	0E	Scroll Lock	Ctrl+N
15	0F	Pause/Break	Ctrl+O
16	10	F11	Ctrl+P
17	11	Direction Key↑	Ctrl+Q
18	12	Direction Key↓	Ctrl+R
19	13	Direction Key←	Ctrl+S
20	14	Direction Key→	Ctrl+T
21	15	F12	Ctrl+U
22	16	F1	Ctrl+V
23	17	F2	Ctrl+W
24	18	F3	Ctrl+X
25	19	F4	Ctrl+Y
26	1A	F5	Ctrl+Z
27	1B	F6	Ctrl+[
28	1C	F7	Ctrl+\
29	1D	F8	Ctrl+]
30	1E	F9	Ctrl+^
31	1F	F10	Ctrl+_

Part II: Scan Module Function Setting

Scan Module Factory Default Setting



Restore factory default

Scan Mode



Manual*



Auto sense

Same Barcode Scan Delay Setting

The scanner will delay read when it reading the same barcode, the delay time is calculated from scan window leaving the barcode.



200ms*



500ms



1s



5s



10s



30s

Inverse Color Barcode Reading



Only read normal codes*



Read both normal & inverse codes

Overall Setting

Each type of barcode has its own unique features. The settings in this chapter can be used to adjust the scanner to adapt to these feature changes.

The fewer barcode types turned on "Enable Reading", the faster the scanner will read. Disabling some barcode

types can improve reading performance.

Enable/Disable Reading 1D/2D Barcodes

Enable all 1D barcodes

Disable all 1D barcodes

Enable all 2D barcodes

Disable all 2D barcodes

UPC/EAN/JAN Additional Code

Disable reading UPC/EAN/JAN with additional codes*

Adaptive reading UPC/EAN/JAN with additional codes

Only read UPC/EAN/JAN with additional codes



Codabar

Disable

Enable*

Codabar Check Bit Setting



Disable*



Enable but not send check bit



Enable & send check bit

Codabar Start/End Character Sending



Enable



Disable*

Set Reading Length Range For Codabar



Minimum length(0~50bits)



Maximum length(0~50bits)

Code 11



Disable*



Enable

Code 11 Check Bit Setting



Disable*



Enable but not send check bit



Enable & send check bit



1 check bit, MOD11



2 check bits, MOD10/MOD11

Set Reading Length Range For Code 11



Minimum length(0~50bits)



Maximum length(0~50bits)

Code 128



Disable



Enable*

Set Reading Length Range For Code 128



Minimum length(0~50bits)



Maximum length(0~50bits)

GS1 128



Disable*



Enable

Code 39



Disable



Enable*

Code 39 Check Bit Setting



Disable*



Enable but not send check bit



Enable & send check bit

Code 39 Start/End Character Sending



Disable*



Enable

Code 39 Full ASCII



Enable



Disable*

Set Reading Length Range For Code 39



Minimum length(0~50bits)



Maximum length(0~50bits)

Code 93



Disable*



Enable

Code 93 Check Bit Setting



Disable*



Enable but not send check bit



Enable & send check bit

Set Reading Length Range For Code 93



Minimum length(0~50bits)



Maximum length(0~50bits)

EAN 8



Disable



Enable*

EAN 8 Check Bit Sending



Disable



Enable*

EAN 8 Expand To EAN 13



Enable



Disable*

EAN 13



Disable



Enable*

EAN 13 Check Bit Sending



Disable



Enable*

UPC-A



Disable



Enable*

UPC-A Check Bit Sending



Disable



Enable*

UPC-A Prefix Character Output Setting



No prefix



System character*



System character and country code

UPC-E



Disable



Enable*

UPC-E Check Bit Sending



Disable



Enable*

UPC-E Prefix Character Output Setting



No prefix



System character*



System character and country code

UPC-E Expand To UPC-A



Disable*



Enable

Matrix 25



Disable



Enable*

Matrix Check Bit Setting



Disable*



Enable but not send check bit



Enable & send check bit

Set Reading Length Range For Matrix 25



Minimum length(0~50bits)



Maximum length(0~50bits)

RSS14



Disable



Enable*

RSS-Stack



Disable



Enable*

RSS-Expanded



Disable



Enable*

RSS-Expanded Stack



Disable



Enable*

RSS-Limited



Disable



Enable*

Code 32



Disable



Enable*

Code 32 Check Bit Setting



Disable*



Enable but not send check bit



Enable & send check bit

Code 32 Start Character Setting



Enable



Disable*

Interleaved 2 of 5



Disable



Enable*

Interleaved 2 of 5 Check Bit Setting



Disable*



Enable but not send check bit



Enable & send check bit

Set Reading Length Range For Interleaved 2 of 5



Minimum length(0~50bits)



Maximum length(0~50bits)

Industrial 25



Disable



Enable*

Industrial 25 Check Bit Setting



Disable



Enable but not send check bit



Enable & send check bit

Set Reading Length Range For Industrial 25



Minimum length(0~50bits)



Maximum length(0~50bits)

Standard 25



Disable



Enable*

Standard 25 Check Bit Setting



Disable*



Enable but not send check bit



Enable & send check bit

Set Reading Length Range For Standard 25



Minimum length(0~50bits)



Maximum length(0~50bits)

MSI



Disable*



Enable

MSI Check Bit Setting



Disable*



Enable but not send check bit



Enable & send check bit



1 Check Bit MOD10



2 Check Bits MOD10



MOD10/MOD11 Both

Set Reading Length Range For MSI



Minimum length(0~50bits)



Maximum length(0~50bits)

Plessey



Disable*



Enable

Plessey Check Bit Setting



Disable*



Enable but not send check bit



Enable & send check bit

Set Reading Length Range For Plessey



Minimum length(0~50bits)



Maximum length(0~50bits)

DataMatrix



Disable



Enable*

Set Reading Length Range For DataMatrix



Minimum length(0~50bits)



Maximum length(0~50bits)

QR



Disable



Enable*

URL Link QR Code Reading



Enable*



Disable

Set Reading Length Range For QR



Minimum length(0~50bits)



Maximum length(0~50bits)

Micro QR



Disable*



Enable

PDF 417



Disable



Enable*

Set Reading Length Range For PDF 417



Minimum length(0~50bits)



Maximum length(0~50bits)

Micro PDF



Disable*



Enable

Maxicode



Disable*



Enable

Set Reading Length Range For Maxicode



Minimum length(0~50bits)



Maximum length(0~50bits)

Aztec



Disable*



Enable

Set Reading Length Range For Aztec



Minimum length(0~50bits)



Maximum length(0~50bits)

Han Xin Code



Disable*



Enable

Set Reading Length Range For Han Xin Code



Minimum length(0~50bits)



Maximum length(0~50bits)

Appendix

Data Edit And Setting Parameter Barcodes



0



1



2



3



4



5



6



7



8



9



A



B



C



D



E



F



Save



Cancel 1 data of current setting



Cancel all data of current setting

Code ID Table

Code Type	CODE ID	Code Type	CODE ID
UPC-A	c	INDU-25	D
UPC-E	c	STANDARD-25	d
EAN-8	d	CODABAR	a
EAN-13	d	MSI	m
ISSN	n	PLESSEY	n
ISBN	B	RSS LIM	y
CODE-128	j	RSS EXP	y
GS1-128	j	RSS EXP	y
ISBT-128	j	RSS ST	y
CODE-39	j	QR	Q
CODE-93	i	Micro QR	Q
CODE-32	j	Micro PDF417	S
ITF-25	e	PDF417	r
ITF-6	e	DM	u
ITF-14	e	MAXICODE	x
INT-25	e	AZTEC	z
MATRIX-25	v	Han Xin CODE	h
CODE-11	H		

Appendix ASCII table

DEC	HEX	Character	DEC	HEX	Character	DEC	HEX	Character
32	20	<SPACE>	64	40	@	96	60	`
33	21	!	65	41	A	97	61	a
34	22	“	66	42	B	98	62	b
35	23	#	67	43	C	99	63	c
36	24	$	68	44	D	100	64	d
37	25	%	69	45	E	101	65	e
38	26	&	70	46	F	102	66	f
39	27	‘	71	47	G	103	67	g
40	28	(	72	48	H	104	68	h
41	29	)	73	49	I	105	69	i
42	2A	*	74	4A	J	106	6A	j
43	2B	+	75	4B	K	107	6B	k
44	2C	,	76	4C	L	108	6C	l
45	2D	-	77	4D	M	109	6D	m
46	2E	.	78	4E	N	110	6E	n
47	2F	/	79	4F	O	111	6F	o
48	30	0	80	50	P	112	70	p
49	31	1	81	51	Q	113	71	q
50	32	2	82	52	R	114	72	r
51	33	3	83	53	S	115	73	s
52	34	4	84	54	T	116	74	s
53	35	5	85	55	U	117	75	u
54	36	6	86	56	V	118	76	v
55	37	7	87	57	W	119	77	w
56	38	8	88	58	X	120	78	x
57	39	9	89	59	Y	121	79	y
58	3A	:	90	5A	Z	122	7A	z
59	3B	;	91	5B	[	123	7B	{
60	3C	<	92	5C	\	124	7C	|
61	3D	=	93	5D	]	125	7D	}
62	3E	>	94	5E	^	126	7E	~
63	3F	?	95	5F	_			

Control Character Table(USB-KBW Mode)

DEC	HEX	Key Value(Disable Control Character Escape)	Key Value(Enable Control Character Escape)
0	00	Reserve	Ctrl+@
1	01	Insert	Ctrl+A
2	02	Home	Ctrl+B
3	03	End	Ctrl+C
4	04	Delete	Ctrl+D
5	05	PageUp	Ctrl+E

6	06	PageDown	Ctrl+F
7	07	ESC	Ctrl+G
8	08	Backspace	Ctrl+H
9	09	Tab	Ctrl+I
10	0A	Enter(Output will be influenced by CR/LF settings)	Ctrl+J
11	0B	Caps Lock	Ctrl+K
12	0C	Print Screen	Ctrl+L
13	0D	Enter(Output will be influenced by CR/LF settings)	Ctrl+M
14	0E	Scroll Lock	Ctrl+N
15	0F	Pause/Break	Ctrl+O
16	10	F11	Ctrl+P
17	11	Direction Key↑	Ctrl+Q
18	12	Direction Key↓	Ctrl+R
19	13	Direction Key←	Ctrl+S
20	14	Direction Key→	Ctrl+T
21	15	F12	Ctrl+U
22	16	F1	Ctrl+V
23	17	F2	Ctrl+W
24	18	F3	Ctrl+X
25	19	F4	Ctrl+Y
26	1A	F5	Ctrl+Z
27	1B	F6	Ctrl+[
28	1C	F7	Ctrl+\
29	1D	F8	Ctrl+]
30	1E	F9	Ctrl+^
31	1F	F10	Ctrl+_

Examples For Setting

Example of barcode reading length setting

When setting the minimum reading length of a barcode, you need to ensure that the minimum length you set is not longer than the current maximum length setting, otherwise an error will be prompted. Similarly, when setting the maximum reading length of a barcode, you need to ensure that the maximum length you set is not less than the current minimum length setting.

Ex1: Set the reading length of Code128 as 4-12 characters
“Minimum length(0~50bits)”----------Set Reading Length Range For Code 128
“4”----------Data Edit And Setting Parameter Barcodes
“Save”----------Data Edit And Setting Parameter Barcodes
“Maximum length(0~50bits)”----------Set Reading Length Range For Code 128
“1”----------Data Edit And Setting Parameter Barcodes
“2”----------Data Edit And Setting Parameter Barcodes
“Save”----------Data Edit And Setting Parameter Barcodes