

Industrial 2D Wireless Scanner

Full User Manual

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Scan Mode

Auto Sense Mode off

Scanning by pressing the trigger when auto sense mode is off. It's default mode.



Off (Default)

Auto Sense Mode on

The scan engine can sense barcode for decoding automatically.



On

Repeat Barcode Detection

Using for decoding same barcode of interval time, it will decode only one time if not exceeded set time.

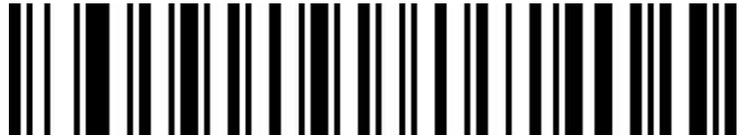


500ms



750ms (Default)





2s

Center Mode

When center mode is turned on, the scan engine only reads the barcode located in the center area, this configuration is disabled as default.



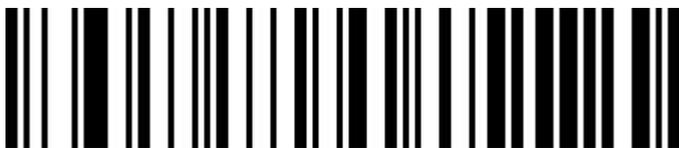
Off(Default)



On

Code ID

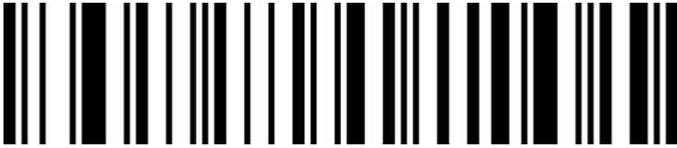
Output Options



Off (Default)



Enable Code ID Before Barcode



Enable Code ID After Barcode

Edit



Set Custom Code ID

(Please set up ID Table ,Data, and edit barcode refer to the appendix after scanning.)



Clear All Custom Code ID

AIM ID



Off (Default)



Enable AIM ID Before Barcode



Enable AIM ID After Barcode

Data Edition

The Data editing function can customize the barcode content into the three fields of Start/Center/End by configuring the Start/End field length.

Please configure the length of the Start/End field and the transport configuration according to the actual needs.

Note: Custom presuffix, start, end, CODE ID, AIM ID and other non-barcode content will not be affected by the data editing function.

Transmission Configuration



Transfer the full Data field



Only transfer the Start field



Only transfer the Center field

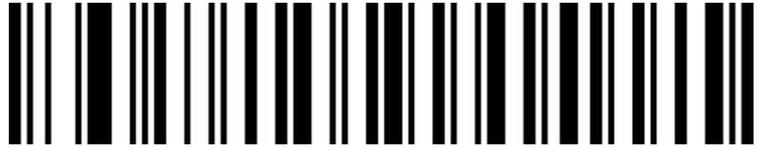


Only transfer the End field

Field Length Configuration



Set Start field length



Set End field length

Inverse color barcode selection

(Only 1D/DataMatrix/Aztec)



Normal Color



Inverse Color



Both (Normal/Inverse)

Non-standard Barcode Option

When non-standard barcode decoding enabled, scanner can be better compatible with some non-standard barcodes, but the probability of reading errors will increase.



Disable(Default)



Enable

Barcode Type Selection

Enable/Disable All barcodes

Enable all barcodes will low down decoding speed. So, we suggest you switch on scanner when needed. (Default is switch on state)



Enable All



Disable All

Enable/Disable All 1D barcodes



Enable All



Disable All

Enable/Disable All 2D barcodes



Enable All

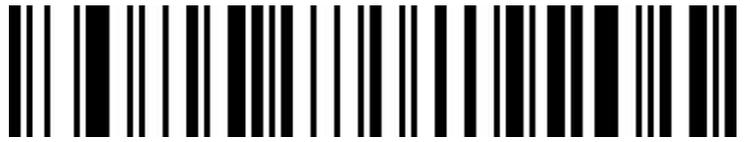


Disable All

Codabar



Enable



Disable

Codabar Start/Terminal Character



Don't Send Codabar Start/Terminal Character (Default)



Send Codabar Start/Terminal Character

Set Length Range for Codabar

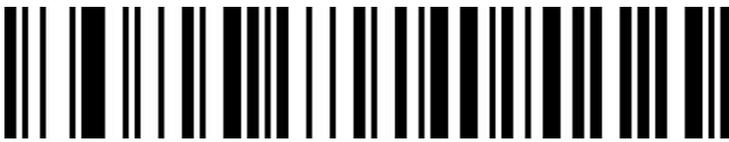


Minimum Length (0~50bit)



Maximum Length (0~50bit)

Code 39



Enable



Disable

Code 39 Parity Check



Disable (Default)



Enable But Not Transfer



Enable & Transfer

Code 39 Full ASCII



Enable

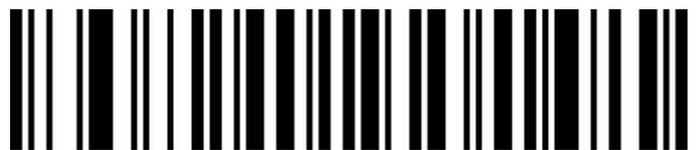


Disable (Default)

Code 39 Start/Terminal Character



Don't Send Code 39 Start/Terminal Character(Default)



Send Code 39 Start/Terminal Character

Set Length Range for Code 39



Minimum Length (0~50bit)



Maximum (0~50bit)

Code 32(Enable code39 first)



Enable



Disable

Code 32 Prefix



Enable



Disable(Default)

Interleaved 2 of 5 (ITF25)



Enable



Disable

Interleaved 2 of 5 (ITF25) Check Bit



Disable Check Bit (Default)



Enable Check and Don't Send Check Bit



Enable Check & Send Check Bit

Interleaved 2 of 5 (ITF25) Length Selection



Random Length (6-50bits) (Default)



6 Bits



8 Bits



10 Bits



12 Bits



14 Bits



16 Bits



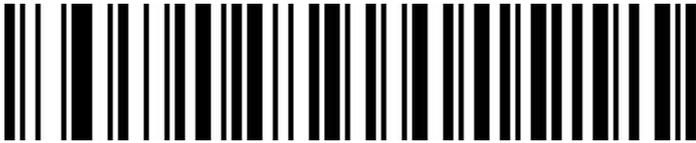
18 Bits



20 Bits

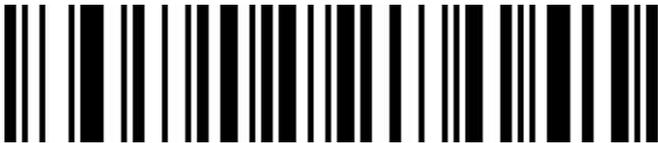


22 Bits

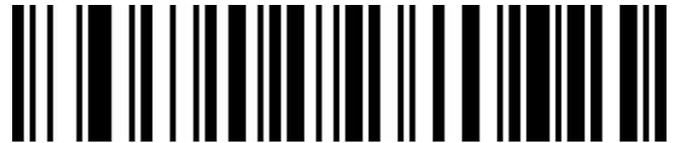


24 Bits

Set Length Range for Interleaved 2 of 5



Minimum (0~50bits)



Maximum (0~50bits)

Industrial 2 of 5/IATA

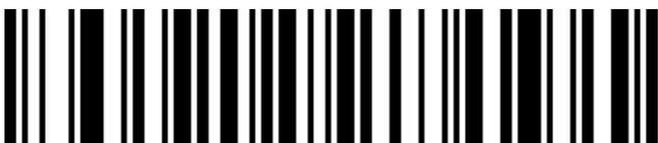


Enable

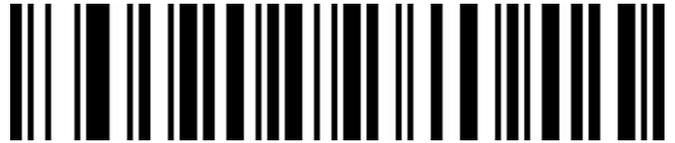


Disable

Set Length Range for Industrial 2 of 5



Minimum (0~50bits)



Maximum (0~50bits)

Matrix 2 of 5 (4-24bit)



Enable



Disable

Set Length Range for Matrix 2 of 5



Minimum (0~50bits)



Maximum (0~50bits)

Code 93

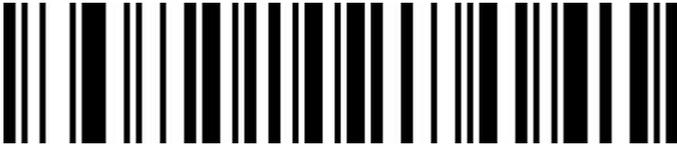


Enable

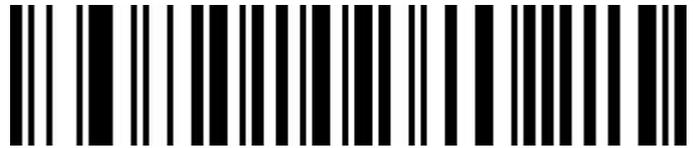


Disable

Set Length Range for Code 93



Minimum (0~50bits)



Maximum (0~50bits)

Code 11



Enable



Disable (Default)

Code 11 Parity Check Output



Enable



Disable (Default)

Code 11 Parity Selection



Disable (Default)

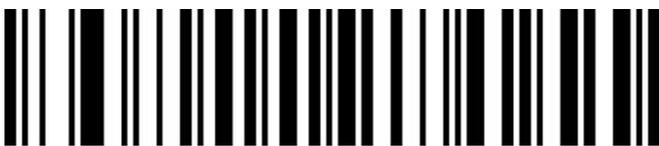


1 Bits



2 Bits

Set Length Range for Code 11



Minimum (0~50bits)



Maximum (0~50bits)

Code 128



Enable



Disable

ISBT-128



Disable



Enable

GS1-128

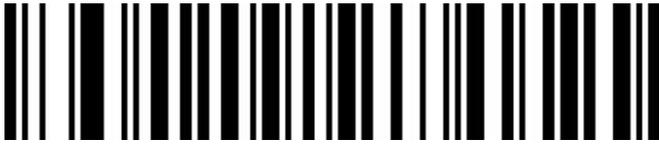


Enable

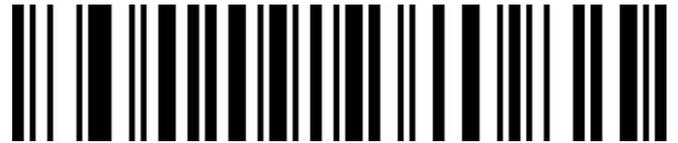


Disable

Set Length Range for CODE-128



Minimum (0~50bits)

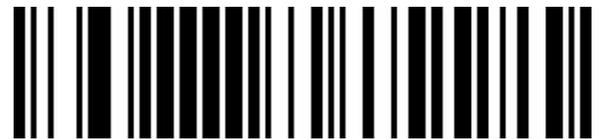


Maximum (0~50bits)

UPC-A



Enable



Disable

UPC-A Check Bit



Send UPC-A Check Bit (Default)



Don't Send UPC-A Check Bit

UPC-A Leading Digits



Send UPC-A Country Code+System Digits(Convert to EAN-13)



Send UPC-A System Digits(Default)

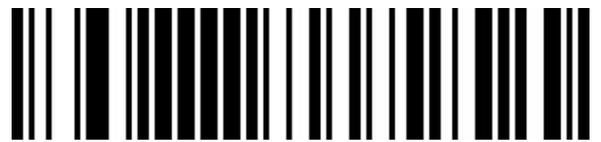


Don't Send UPC-A System Digits

UPC-E



Enable



Disable

UPC-E Check Bit



Send UPC-E Check Bit (Default)



Don't send UPC-E Check bit

UPC-E Expand to UPC-A

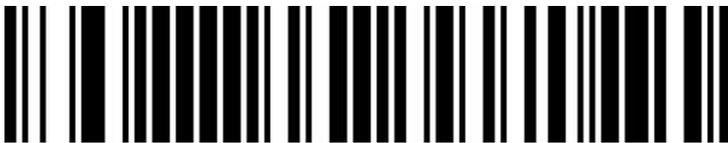


Enable



Disable (Default)

UPC-E Leading Digits



Send UPC-E Country Code+System Digits



Send UPC-E System Digits(Default)



Don't Send UPC-E System Digits

EAN/JAN-8



Enable

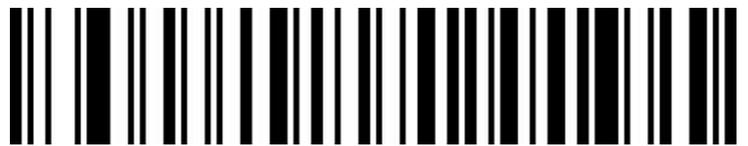


Disable

EAN-8 Convert to EAN-13



Disable EAN-8 convert to EAN-13(Default)



Enable EAN-8 convert to EAN-13

EAN-8 Check Bit



Send EAN-8 Check Bit(Default)

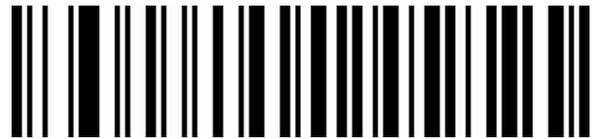


Don't Send EAN-8 Check Bit

EAN/JAN-13



Enable



Disable

EAN-13 Check Bit



Send EAN13 Check Bit (Default)



Don't Send EAN13 Check Bit

UPC/EAN/JAN Additional Code



Ignore Additional Code (Default)



Decode Additional Code



Adaptive Additional Code

EAN13 Convert to ISBN



Enable



Disable (Default)

EAN13 Convert to ISSN

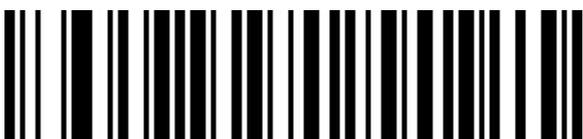


Enable



Disable (Default)

GS1 DataBar (RSS14)



Enable



Disable

GS1 DataBar Limited



Enable

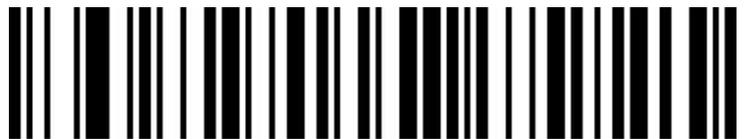


Disable

GS1 DataBar Expanded



Enable



Disable

GS1 Composite



Enable



Disable(Default)

MSI



Enable



Disable(Default)

MSI Check Bit



Send MSI Check Bit



Don't Send MSI Check Bit(Default)

MSI Check Bit Option



1 Check Bit(Default)



2 Check Bits

MSI 2 Check Bits Option



MOD10/MOD10(Default)



MOD10/MOD11

MSI Code Reading Length Setting



Minimum Reading Length(0-50digits)



Maximum Reading Length(0-50digits)

Febraban

Note: Please disable AIM ID function before opening Febraban function.

Enable/Disable Febraban Code(ITF25)



Enable



Disable(Default)

Enable/Disable Febraban code(Code128)



Enable



Disable(Default)

Febraban Check Bit



Enable Check Bit



Disable Check Bit(Default)

PDF417



Enable



Disable

Micro PDF417



Enable



Disable

QR Code



Enable



Disable

QR Code URL Link



Disable

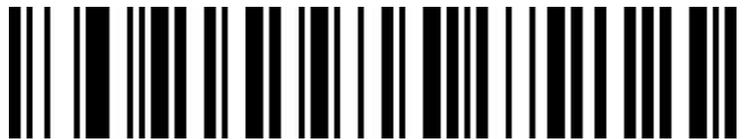


Enable

Micro QR



Enable



Disable

Data Matrix



Enable



Disable

Aztec Code



Enable



Disable

Appendix

Data and Edit barcode



0



1



2



3



C



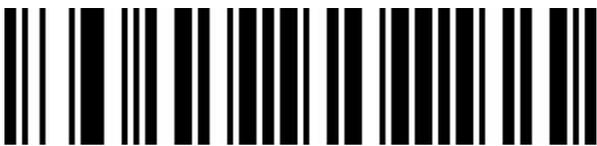
D



E



F



Cancel Current Setting



Cancel A String of Data from Previous Read



Cancel The Data from Previous Read



Save

Barcode ID Type Table

Code type	HEX	CODE
All codes	99	
Codabar	61	a
Code128	6A	j
Code32	3C	<
Code93	69	i
Code39	62	b
Code11	48	H
EAN-13	64	d
EAN-8	64	d
GS1 DataBar	52	R
GS1-128 (EAN-128)	6A	j
2 of 5		
Interleaved 2 of 5	65	e
Matrix 2 of 5	76	v
Industry 2 of 5/IATA	44	D
UPC-A	63	c
UPC-E	63	c
ISBN	42	B
ISSN	6E	n
MSI	6D	m
Aztec Code	7A	z
DataMatrix	75	u
PDF417	72	r
Micro PDF417	53	S
QR Code	51	Q
Micro QR Code	51	Q

AIM ID Table

Code type	AIM ID	Description
Codabar	]Fm	m: 0~1
Code128	]C0	m: 0, 1, 2, 4
Code32	]A0	
Code93	]G0	
Code39	]Am	m: 0, 1, 3, 4, 5, 7
Code11	]Hm	m: 0, 1, 3, 8, 9
EAN-13 / EAN-8	]Em	m: 0, 1, 3, 4
GS1 DataBar	]e0	
GS1-128 (EAN-128)	]C1	
Interleaved 2 of 5	]Im	m: 0, 1, 3
Matrix 2 of 5	]X0	
Industry 2 of 5	]S0	
UPC-A / UPC-E	]Em	m: 0, 3
ISBN	]X0	
ISSN	]X0	
Aztec Code	]z0	
DataMatrix	]dm	m: 0~6
PDF417 / Micro PDF417	]Lm	m: 0~5
QR Code / Micro QR Code	]Qm	m: 0~6

Visible Character ASCII Table

Decimal	Hexadecimal	Character	Decimal	Hexadecimal	Character
32	20	<SPACE>	80	50	P
33	21	!	81	51	Q
34	22	"	82	52	R
35	23	#	83	53	S
36	24	\$	84	54	T
37	25	%	85	55	U
38	26	&	86	56	V
39	27	'	87	57	W
40	28	(	88	58	X
41	29	)	89	59	Y
42	2A	*	90	5A	Z
43	2B	+	91	5B	[
44	2C	,	92	5C	\
45	2D	-	93	5D]
46	2E	.	94	5E	^
47	2F	/	95	5F	_
48	30	0	96	60	`
49	31	1	97	61	a
50	32	2	98	62	b
51	33	3	99	63	c
52	34	4	100	64	d
53	35	5	101	65	e
54	36	6	102	66	f
55	37	7	103	67	g
56	38	8	104	68	h
57	39	9	105	69	i
58	3A	:	106	6A	j
59	3B	;	107	6B	k
60	3C	<	108	6C	l
61	3D	=	109	6D	m
62	3E	>	110	6E	n
63	3F	?	111	6F	o
64	40	@	112	70	p
65	41	A	113	71	q
66	42	B	114	72	r
67	43	C	115	73	s
68	44	D	116	74	t
69	45	E	117	75	u
70	46	F	118	76	v
71	47	G	119	77	w
72	48	H	120	78	x
73	49	I	121	79	y
74	4A	J	122	7A	z
75	4B	K	123	7B	{
76	4C	L	124	7C	|
77	4D	M	125	7D	}
78	4E	N	126	7E	~
79	4F	O			

Configuration of Instructions and Examples

Example for barcode length range configuration

Please sure it not bigger than current maximum length range when set up minimum length. Otherwise, it will show error. In the same way, must be make sure it's not smaller than current minimum length range when set up maximum length.

Example 2.1:

Set Code 128 length range is 4-12bit

Step: Set "Code 128 Minimum (0~50bit) "; Set"4"; Set "Save" Set "Code 128 Maximum (0+50bit)"; Set"1""2"; Set "Save"

Example 2.2:

Set Interleaved 2 of 5 length is 14bit

It can set up by "ITF25 14bit", through barcode length range of Maximum /Minimum to set,too.

Step: Set" Interleave 2 of 5 Minimum (0~50bit) "; Set"1""4"; Set"Save" Set" Interleave 2 of 5 Maximum (0+50bit)"; Set"1""4"; Set"Save"

Example 2.3:

Set Code 39 length is random length

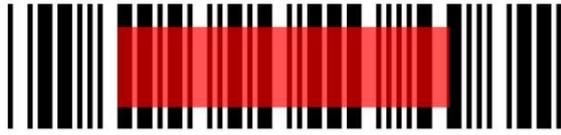
Step: Set" Code 39 Minimum (0~50bit) "; Set"0" ; Set"Save" Set"Code 39 Maximum (0+50bit)"; Set"0"; Set "Save"

Read Skills

To get a good reading performance, a beam of aim light from scanner should be aimed at the centre of barcode, support to aim in any directions for read convenient,too.

More nearly barcode, the beam of aim light is smaller; More further barcode, the beam of aim light bigger. For reading barcode correctly, if barcode is small, the scanner should be close to barcode, if barcode is big, the scanner should be farther to barcode.

If the barcode is highly reflective (for example: coated surface), please adjust the scanner angle to read it successfully.



Safety

Please not direct aim eye when the scanner has a strong ray of light, to avoid causing any hurt or unwell.