Manuale

Lettore Barcode Laser 1D/2D TECNOACCESSORI® TC-BC2D-10

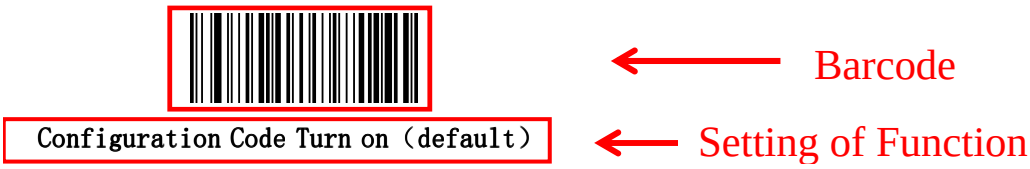
CATALOG

2、Barcode Menu

This model of laser desktop barcode scanner is designed to change settings by reading some special barcode, which we will give you a detailed introduction and show you all the barcodes for the corresponding setting in this section.

The greatest advantage of this setting method is direct, intelligible and user friendly.

2.1 Mark Setting



2.2 Setting barcodes

2.2.1 Turn on/Turn off configuration code

When the configuration code is turn on, All configuration codes available;

When the configuration code is turn off, you need setting it.

Configuration Code Turn off

2.2.2 Restore Factory Defaults

Restore Factory Defaults

2.2.3 Read product batch version

product batch version

2.2.4 Read user defaults

Save the current menu settings as user-defined menu settings.

Write user defaults

You can restore the menu settings for the user-defined menu settings.

Restore user defaults

2.2.5 Interface Setting

This desktop scanner support USBKB、USB to serial port、serial port interface。

You can set USB PC KB、USB MAC KB interface by scanning below barcode。

USB KB（default）

USB MAC KB

You can set serial port interface by scanning below barcode。

Serial port

You can set USB to serial port interface by scanning below barcode. (Need drive, please contact the sales)

USB to serial port

2.2.6 Baud rate setting

Baud Rate 4800

Baud Rate 9600（default）

Baud Rate 38400

Baud Rate 19200

Baud Rate 57600

Baud Rate 115200

2.2.7 Automatic Recognition Mode

Enable manual Recognition Mode

(Default)

Enable Automatic Recognition Mode

2.2.8 Screen Read Mode

Configuration Code Turn on

When you turn on this mode, Scanners can be decoding the codes on phone or computer. However, turn on this code will be cause lower speed when scanning printing codes. The default is turn off.

Disable Screen Read Mode (Default)

Enable Screen Read Mode

2.2.9 center mode

When enable center mode, the scanner only read the barcode at the center of the scanning light. Default to disable

Disable center mode（default）

Enable enter mode

2.2.10 Illumination

Normal mode

LED always off

LED always on

2.2.11 Aiming light control

Normal mode

Aiming light always off

Aiming light always on

2.2.12 character escape

Enable character escape

Disable character escape（default）

2.2.13 start character Setting

Cancel start character

Add STX as start character

2.2.14 ending character Setting

Cancel ending character

Add Enter

Add Tab

Add Enter+Tab

Add ETX

2.2.15 Chinese output mode

English output（default）

Chinese output（TXT/excel）

Chinese output（Word）

2.2.16 invoice (For China)

Disable invoice code（default）

Enable invoice code

In order to make sure the invoice output correctly, when you use invoice function please set Chinese

output to “Chinese output(TXT/excel)”。

2.2.17 invoice type (for China)

Special invoice（default）

plain invoice

2.2.18 inverse code option

（**Only 1D/DataMatrix/Aztec**）

Only decode normal code（default）

Only decode inverse code

Decode both normal code and inverse code

2.3 Buzzer and LED setting

2.3.1 Beeper Volume setting

Volume low

Volume high（default）

2.3.2 startup beep

Shut down startup beep

Open startup beep（default）

2.3.3 good read beep

good read beep on

good read beep off（default）

2.3.4 Beep pitch-good read

Low pitch

Middle pitch（default）

High pitch

2.3.5 beep duration-good read

Tone long（default）

Tone pip

2.3.6 error sound

You will hear 4 continue alarm sounds when data upload failure, one single alarm sound means scan indistinguishableness barcode.

error sound low pitch（default）

error sound middle pitch

Configuration Code Turn on

error sound high pitch

2.3.7 good-read LED

Good-read LED off

Good-read LED on（default）

2.4 Timeout between decodes (Same barcodes)

By default, the interval time between first scanning and second scanning for same barcode is 200ms. To avoid being repeatedly with a barcode, you can set the scan interval.

300ms

500ms

750ms（default）

1s

2s

2.5 USB keyboard update speed setting

There barcode is used to set the update speed when scanner is in USB keyboard pattern. If the performance of your PC is lower, we suggest you choose slow update speed to make sure the scanner update the right data.

Slow update speed（default）

Middle update speed

Fast update speed

2.6 CRLF setting（USB keyboard）

Only 0A(LF)line feed

Only 0D(CR)line feed（default）

Both 0A(LR) and 0D(CR) line feed

2.7 invoice function setting

Shut down invoice function

Open invoice function （default）

2.8 Keyboard layout setting

English (United States)

French (France)

Italian (Italy)

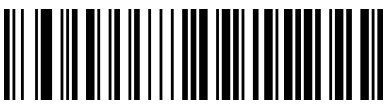
Italian 142 (Italy)

German (Germany)

Spanish (Spain)

Finnish

Japanese



Russian (MS)

Russian (typewriter)

Arabic (101)

Irish

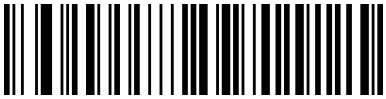
Polish (214)

Polish (Programmers)

Dutch (Netherlands)

Czech (QWERTZ)

Portuguese (Portugal)



Portuguese (Brazil)

Swedish (Sweden)

Turkish Q

Turkish F

Greek (MS)

2.9 symbologies

2.9.1 enable/disable all symbologies

Enable all barcode might slow down scanner

decode speed. We suggest enable the barcode you need based on your scene. Enable all barcode is default

Enable all symbologies

Disable all symbologies

2.9.2 Codabar

Enable Codabar

Disable Codabar

2.9.3 Codabar start/ending character setting

Don’t send Codabar start/ending character（default）

Send Codabar start/ending character

2.9.4 Codabar limitation of length

Codabar min length（0~50 bits）

Codabar max（0~50 bits）

2.9.5 Code 39

Enable Code 39

Disable Code 39

2.9.6 Code 39 check bit

Disable Code 39 check（default）

Enable Code 39 check don’t send check bit

Enable Code 39 check send check bit

2.9.7 Code 39 Full ASCII

Enable Full ASCII

Disable Full ASCII（default）

2.9.8 Code 39 limitation of length

Code 39 min length（0~50 bits）

Code 39 max length（0~50 bits）

2.9.9 Code 32 （Code 39 needs to be enabled）

Enable Code 32

Disable Code 32

2.9.10 Interleaved 2 of 5 （ITF5）

Enable ITF25

Disable ITF25

2.9.11 Interleaved 2 of 5 （ITF5）check bit

Disable ITF25 check（default）

Enable ITF25 check don’t send check bit

Enable ITF25 check send check bit

2.9.12 Interleaved 2 of 5 （ITF5）length setting

ITF25 No Fixed Length（4-24）（default）

ITF25 Fixed Length of 6 digitals

ITF25 Fixed Length of 8 digitals

ITF25 Fixed Length of 10 Digits

ITF25 Fixed Length of 12 Digits

ITF25 Fixed Length of 14 Digits

ITF25 Fixed Length of 16 Digits

ITF25 Fixed Length of 18 Digits

ITF25 Fixed Length of 20 Digits

ITF25 Fixed Length of 22 Digits

ITF25 Fixed Length of 24 Digits

2.9.13 Industrial 2 of 5 Limitation of length

Interleaved 2 of 5 min length （0~50 bits）

Interleaved 2 of 5 max length（0~50 bits）

2.9.14 Industrial 2 of 5（4-24 digits）

Enable Industrial 2 of 5

Disable Industrial 2 of 5

2.9.15 Industrial 2 of 5 Limitation of length

Interleaved 2 of 5 min length （0~50 bits）

Interleaved 2 of 5 max length（0~50 bits）

2.9.16 Matrix 2 of 5（4-24）

Enable Matrix 2 of 5

Disable Matrix 2 of 5

2.9.17 Matrix 2 of 5 Limitation of length

Matrix 2 of 5 min length（0~50 bits）

Matrix 2 of 5 max length（0~50 bits）

2.9.18 Code 93

Enable Code 93

Disable Code 93

2.9.19 Code 93 Limitation of length

Code 93 min length（0~50 bits）

Code 93 max length（0~50 bits）

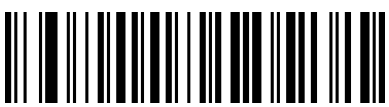
2.9.20 Code 11

Enable Code 11

Disable Code 11（default）

2.9.21 Code 11 check bit output

Enable Code 11 check bit output



Disable Code 11 check bit output（default）

2.9.22 Code 11 check bit option

Disable Code 11（default）

Code 11 one check bit

Code 11 two check bits

2.9.23 Code 11 Limitation of length

Code 11 min length（0~50 bits）

Code 11 max length（0~50 bits）

2.9.24 Code 128

Enable Code 128

Disable Code 128

2.9.25 Code 128 Limitation of length

Code 128 length（0~50 bits））

Code 128 max length（0~50 bits）

2.9.26 ISBT-128

Disable ISBT 128

Enable ISBT 128

2.9.27 GS1-128

Enable GS1-128

Disable GS1-128

2.9.28 UPC-A

Enable UPC-A

Disable UPC-A

2.9.29 UPC-A check bit

Send UPC-A check bit（default）

Don’t send UPC-A check bit

2.9.30 UPC-A to EAN-13

Enable UPC-A to EAN-13

Disable UPC-A to EAN-13（default）

2.9.31 UPC-E

Enable UPC-E

Disable UPC-E

2.9.32 UPC-E check bit

Send UPC-E check bit（default）

Don’t send UPC-E check bit

2.9.33 UPC-E to UPC-A

Enable UPC-E to UPC-A

Disable UPC-E to UPC-A（default）

2.9.34 EAN/JAN-8

Enable EAN/JAN-8

Disable EAN/JAN-8

2.9.35 EAN/JAN-13

Enable EAN/JAN-13

Disable EAN/JAN-13

2.9.36 UPC/EAN/JAN extra-code

Ignore UPC/EAN/JAN extra-code（default)

Decode UPC/EAN/JAN extra-code

Adapt UPC/EAN/JAN extra-code

2.9.37 EAN13 to ISBN

Enable EAN13 to ISBN

Disable EAN13 to ISBN（default）

2.9.38 EAN13 to ISSN

Enable EAN13 to ISSN

Disable EAN13 to ISSN（default）

2.9.39 GS1 DataBar（RSS14）

Enable GS1 DataBar

Disable GS1 DataBar

2.9.40 GS1 DataBar Limited

Enable GS1 DataBar Limited

Disable GS1 DataBar Limited

2.9.41 GS1 DataBar Expanded

Enable GS1 DataBar Expanded

Disable GS1 DataBar Expanded

2.9.42 PDF417

Enable PDF417

Disable PDF417

2.9.43 Micro PDF417

Enable Micro PDF417

Disable Micro PDF417

2.9.44 QR Code

Enable QR

Disable QR

2.9.45 Micro QR

Enable Micro QR

Disable Micro QR

2.9.46 Data Matrix

Enable Data Matrix

Disable Data Matrix

2.9.47 Aztec Code

Enable Aztec

Disable Aztec

2.10 User-defined prefix setting

output

Enable user-defined prefix output

Disable user-defined prefix output（default）

edit

clear all user-defined prefix

user-defined prefix

(After scan this code you can set the prefix you want based on the data and barcode in table ID)

2.11 User-defined suffix setting

output

Configuration Code Turn on

Enable user-defined suffix output

Disable user-defined suffix output（default）

edit

clear all user-defined suffix

User-defined suffix

（After scan this code you can set the prefix you want based on the data and barcode in table ID）

2.12 Code ID

output

Disable CODE ID（default）

Configuration Code Turn on

Enable CODE ID before barcode

Enable CODE ID after barcode

edit

User-defined CODE ID

（After scan this code you can set the prefix you want based on the data and barcode in table ID）

clear all user-defined CODE ID

2.13 AIM ID setting

Disable AIM ID（default）

Enable AIM ID before barcode

Enable AIM ID after barcode

APPENDIX

Appendix 1 data and editing code


0


1


2


3


4


5


6


7

8

9

A

B

C

D

E

F

Save

Cancel all data read before

Cancel current setting

cancel the data read last time

Configuration Code Turn on

Appendix 2 code type ID table

Code type	HEX	CODE ID(default)
All codes	99	
Codabar	61	a
Code128	6A	j
Code32	3C	<
Code93	69	i
Code39	62	b
Code11	68	h
EAN		
EAN-13	64	d
EAN-8	44	D
GS1		
GS1 DataBar	79	y
GS1 DataBar Limited	7B	{
GS1 DataBar Expanded	7D	}
GS1-128 (EAN-128)	49	I
2 of 5		
Interleaved 2 of 5	65	e
Matrix 2 of 5	6D	m
Industry 2 of 5	66	f
UPC		
UPC-A	63	c
UPC-E	45	E
Aztec Code	7A	z
DataMatrix	77	w

PDF417	72	r
Micro PDF417	52	R
QR Code	73	s
Micro QR Code	73	s

Appendix 3 eyeball character ASCII table

decimal	hexadecimal	character	decimal	hexadecimal	character	decimal	hexadecimal	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	_			

Appendix 4 operational character（USB keyboard）

decimal	*hexadecimal*	*Corresponding key value（disable CODE ID）*	*Corresponding key value（enable CODE ID）*
0	00	retain	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	Backspace
9	09	Tab	Tab
10	0A	Enter（The configuration of CRLF processing decide how it express ）	Ctrl+J
11	0B	Caps Lock	Ctrl+K
12	0C	Print Screen	Ctrl+L
13	0D	Enter （ The configuration of CRLF processing decide how it express ）	Enter
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	ESC
28	1C	F7	Ctrl+\
29	1D	F8	Ctrl+]
30	1E	F9	Ctrl+^
31	1F	F10	Ctrl+_

Appendix 5 operational character（serial port and USB-VCOM）

decimal	hexadecimal	character

0	00	NUL
1	01	SOH
2	02	STX
3	03	ETX
4	04	EOT
5	05	ENQ
6	06	ACK
7	07	BEL
8	08	BS
9	09	HT
10	0A	LF
11	0B	VT
12	0C	FF
13	0D	CR
14	0E	SO
15	0F	SI
16	10	DLE
17	11	DC1
18	12	DC2
19	13	DC3
20	14	DC4
21	15	NAK

22	16	SYN
23	17	ETB
24	18	CAN
25	19	EM
26	1A	SUB
27	1B	ESC
28	1C	FS
29	1D	GS
30	1E	RS
31	1F	US

configuration instruction and example

Example for user-defined prefix and suffix:

You can edit 10 characters as prefix or suffix. (In order to make sure the prefix and suffix can output normally, please enable user-defined prefix or suffix first)

Example 1.1： Add XYZ to all type of barcode as prefix.

Look up appendix 2, you can find that the HEX value for all codes is “99”. Look up appendix 3, the HEX value for XYZ is “58,59,5A”. First scan “user-defined prefix” in 2.2.11 edit, then the scanner will have two sounds like “D…D…”, then scan 9，9，5，8，5，9，5，A，and save, the setting accomplished.

If you want to change the prefix or suffix you set before you save the setting, you can scan “cancel the data read last time” or “Cancel all data read before” to reset. If you want to give up setting scan “Cancel current setting”.

Example 1.2： Add Q to QR code as prefix.

Look up appendix 2, you can find that the HEX value for QR code is “73”. Look up appendix 3, the HEX value for Q is “51”. First scan “user-defined prefix” in 2.2.11 edit, then the scanner will have two sounds like “D…D…”, then scan 7，3，5，1，and save, the setting accomplished.

Example 1.3： Cancel user-defined prefix in QR code

When you edit user-defined prefix and suffix, it will cancel the prefix and suffix you set if you scan “user-defined prefix” or “user-defined suffix” and add no character and save.

For example, cancel user-defined prefix in QR code, first scan “user-defined prefix”, then scan 7,3, and save. The prefix in QR code has been canceled.

Note: If there is a prefix for all type of barcode, after you done the operation above, the QR code will have the prefix you set for all type barcode.

If you need to cancel all prefix or suffix for all type of barcode, please scan “clear all user-defined prefix” and “clear all user-defined suffix”

USB update speed setting example

If the PC is weak properties, it is easy to have error of transmission and you need to set USB keyboard update speed to low speed, like 50ms (user-defined speed)

First, scan “User-defined update speed” then scan 5,0 in appendix 1 and save