TR-UM1300C

Model: 1300C

1D Wireless Barcode Scanner

User Manual

Ver.01.1.01

About This Manual

An asterisk (*) next to an option indicates the default setting.

Scanners are factory programmed for the most common terminal and communication settings.

If settings need to be changed, you can reprogram by scanning the barcodes in this manual.

Note:
For the correct use of the product, please read this manual carefully and do not scan configuration barcodes at random. Otherwise, some settings will be temporarily unavailable.

The scanner’s keyboard layout default is a US keyboard.

Please do not hesitate to contact us if you have any questions.

Important Notice:
Please include your Order Number and Product Model Number in the email.

Official Customer Service
Email Address: info@tera-digital.com
Cell: +1 (909)242-8669
Whatsapp: +1 (626)438-1404

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https://www.tera-digital.com

Contents

Factory Default Settings

If you are not sure what programming options are in your scanner, or you have changed some options and want to restore the scanner to factory default settings, scan the code below.

Restore Defaults

To check battery level or firmware version, scan the appropriate code below.

Show Battery Level

Show Firmware Version

Operation Modes

Real Time Mode

In this mode, the scanner transmits scanned data immediately after each scan.

Real Time Mode*

Storage Mode:

When the scanner is powered off or turned off, the data stored in the scanner will not be lost unless all data is cleared.

Storage mode

Upload all data

Upload the total number of data

Clear all data

USB-COM Virtual Serial Port

Scan the following code to program the scanner to emulate a regular RS232-based COM Port. No extra configuration is necessary.
To exit USB-COM mode, please scan the 2.4G Mode barcode.

USB-COM

Wireless Pairing Settings

1.Wireless 2.4G pairing steps (receiver pairing)

Step 1: Scan “wireless 2.4G mode”.
Step 2: Scan “pairing” to enter pairing mode, the light flashing quickly.
Step 3: Plug in Dongle (USB receiver), hearing a beep sound indicates pairing succeeds. The light stops flashing.

Wireless 2.4G mode

pairing

Note:
When the scanner is in the pairing state, double-click the button or the pairing time extends 1 minute will exit the pairing state.

2. Bluetooth HID Pairing Steps

Step 1: Scan“Bluetooth HID mode”setting code.
Step 2: Scan “pairing” setting code to enter pairing state, the light flashing quickly.
Step 3: Turn on Bluetooth and find“BarCode Bluetooth HID” in the device.
Step 4: Click“BarCode Bluetooth HID”, then the Bluetooth device will enter pairing state.
Step 5: Hearing a beep sound indicates pairing succeeds.
he light stops flashing.


Bluetooth HID mode


pairing

Note:
When the scanner is in the pairing state, double-click twice or the pairing time extends 1 minute will exit the pairing state.
When using the Bluetooth Scanner, the Bluetooth connection can be faster by turning on the setting that long press for 8 seconds to enter Bluetooth HID search.

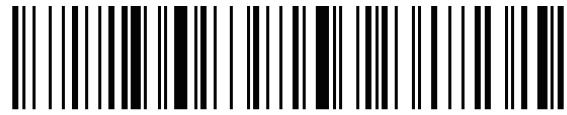

Long press for 8 seconds to enter Bluetooth HID search On*


Long press for 8 seconds to enter Bluetooth HID search Off

3. Bluetooth SPP/BLE Pairing Steps

Step 1: Scan“Bluetooth SPP mode”setting code.
When setting wireless Bluetooth SPP/BLE mode, it will automatically enter the SPP/BLE mode and enter the broadcast state by default.
Step 2: Find“BarCode Bluetooth SPP/BLE”in the software
Step 3: Click Bluetooth device to enter pairing state
Step 4: Hearing a beep sound indicates that pairing succeeds.

Bluetooth SPP mode



Bluetooth BLE mode

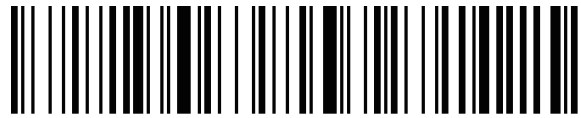
Bluetooth HID Upload Speed Settings

Please turn down the speed if the uploaded content is disordered or lost.

High upload speed

Medium upload speed*

Low upload speed



Ultra-low upload speed

Modify Bluetooth Name Settings

The following steps can be used to customize Bluetooth HID, SPP and BLE Bluetooth name.

Example：
Set Bluetooth name to： Scanner.
Step 1: Scan the“Customize Bluetooth name setting code.
Step 2: Generate and scan Bluetooth name barcode.

Customize Bluetooth name

Example：
Bluetooth name Scanner

After settings finished:
Bluetooth HID name is displayed as Scanner HID;
Bluetooth SPP name is displayed as Scanner SPP;
Bluetooth BLE name is displayed as Scanner BLE.

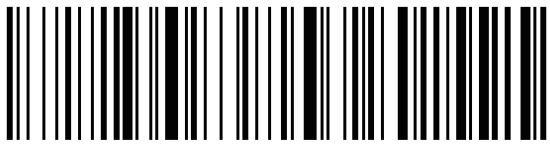
Note:
The length of the name can only be set up to 16 bytes.
The scanner only takes the first 16 bytes as the Bluetooth name if the name barcode exceeds 16 bytes.

Scan Modes

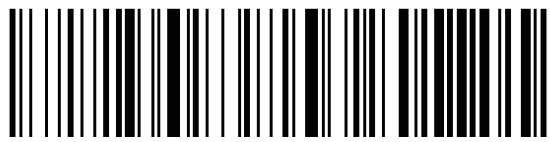
Trigger Mode*

Continuous Scan Mode

Beeper Volume



Mute



High*

Medium

Low

Vibration Settings

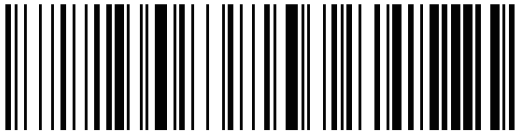
Vibration On *

Vibration Off

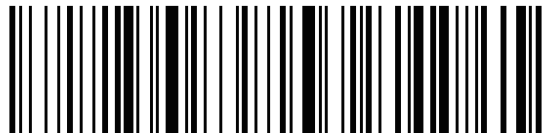
Sleep Time Settings

Sleep time 1min

Sleep time 5min*



Sleep time 10min



Sleep time 30min

Never

Sleep immediately

IOS System HID Virtual Keyboard Settings

Double-click to display IOS keyboard function On* (HID mode)

Double-click to display IOS keyboard function Off (HID mode)

Terminators (Termination Suffixes)

Carriage Return* (CR)

Line Feed (LF)

CR & LF

Horizontal Tab

None (Clear All Termination Suffixes)

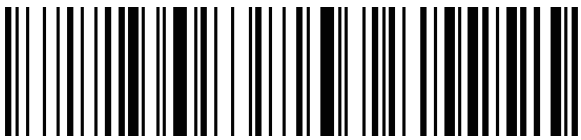
Keyboard Language Setting

The keyboard layout and symbols corresponding to different languages are different. The scanner can be virtualized into different keyboard system of different countries according to the real-life requirements. The keyboard layout is suitable for HID communication interface mode. The default keyboard system is“American English keyboard”.

Note: Please contact customer service if more national language settings are needed.

GBK encoding*
MS Notepad, Excel

Unicode encoding
MS Word



English*

German

French

Spanish

Italian

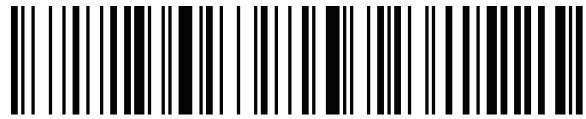
Japanese

British English

International keyboard

Keyboard Conversion

Conversion Off*



All Upper Case

All Lower Case

Invert Case

Note: This parameter is only valid in standard keyboard input mode and keyboard simulation input control character mode.

Symbologies

Inverse Barcodes

Regular Only

Both Regular and Inverse

UPC-A

UPC-A* On

UPC-A Off

check character transmit*

check character do not transmit

UPC-A barcode is fixed to 12 characters. The 12th character is the check character, which is used to check the correctness of all 12 characters. The default setting is to transmit the check character.

*Leading character transmit On

Leading character transmit Off

UPC-A to EAN-13 On

*UPC-A to EAN-13 Off

UPC-E

UPC-E On*

UPC-E Off

check character transmit On*

check character transmit Off

*Leading character transmit On

Leading character transmit Off

UPC-E to UPC-A On

*UPC-E to UPC-A Off

EAN-13

EAN-13 On*

EAN-13 Off

Convert to ISBN

Barcode information convert On

Barcode information convert Off*

Convert to ISSN

Barcode information convert On

Barcode information convert Off*

UPC/EAN/JAN Addenda Settings

The addenda refers to the 2 or 5-digit digital barcode added after the normal barcode. As shown below, the barcode in the blue frame on the left is the normal barcode, the barcode in the red frame on the right is the addenda. The default setting is addenda off.

2/5 digit addenda On

2/5 digit addenda Off*

Mandate to contain addenda On

Mandate to contain addenda Off

Code 128

Code 128 ON*

Code 128 OFF

Code 39

Code 39 On*

Code 39 Off

Full ASCII On

Full ASCII Off

Check charater transmit On

*Check character transmit Off

MOD43 Check On

MOD 43 Check Off*

Start and stop characters transmit On

Start and stop characters transmit Off*

Code 32


Code 32 ON


Code 32 OFF*

Note:
When Code 32 is turned on, code 39 will be affected.
Code 32 Pharmaceutical can be read only when code 39 is allowed to read without check character.

Codabar（NW-7）


Codabar On*


Codabar Off


Start and stop characters transmit On


Start and stop characters transmit Off*

Interleaved 2 of 5


Interleaved 2 of 5 On*


Interleaved 2 of 5 Off

Check character transmit On

Check character transmit Off*

Check On

Check Off

Matrix 2 of 5

Matrix 2 of 5 On*

Matrix 2 of 5 Off

MSI

MSI On

MSI Off*

GS1 DataBar 14

GS1 DataBar 14 On

GS1 DataBar 14 Off*

GS1 DataBar Limited

GS1 DataBar Limited On

GS1 DataBar Limited Off*

Customize Prefix/Suffix Settings

This product supports up to 32 byte prefix/suffix settings.

Add Custom Prefix

Step 1: scan“Add custom prefix”setting code.
Step 2: According to the prefix content to be added, query the“ASCII Table”and scan the corresponding setting code in order.

Add custom prefix

Example:
Set to add custom“789”to“ABC123”and output“789ABC123”.
Step 1: scan“Add custom prefix”setting code.
Step 2: According to the content to be added, query“ASCII Table”and scan the corresponding setting code of“7”,“8”and“9”.

Clear Custom Prefix

Step 1: Scan“Add custom prefix”setting code.
Step 2: Scan“Exit setting”setting code.

Add custom prefix

Exit setting

Add Custom Suffix

Step 1: scan“Add custom suffix”setting code.
Step 2: According to the suffix content to be added, query the“ASCII Table”and scan the corresponding setting code in order. (the content of escape character set needs to scan the corresponding 0-3 character set)

Add custom suffix

Example:
Set to add custom“XYZ”to“ABC123”and output‘ABC123XYZ’.
Step 1: scan“Add custom suffix”setting code.
Step 2: According to the content to be added, query“ASCII Table”and scan the corresponding setting code of“X”,“Y”and“Z”.

Clear Custom Suffix

Step 1: Scan“Add custom suffix”setting code.
Step 2: Scan“Exit setting”setting code.

Add custom suffix

Exit setting

Hide Prefix/Suffix Character

Set the digit of the hidden prefix/suffix according to the following steps, the digit is up to 4 digits.
Step 1: Scan“Hide prefix”or“Hide suffix”setting code.

Hide prefix

Hide suffix

Step 2: Scan the following barcode according to the digit of prefix or suffix that need to be hidden.

Hide 1 digit

Hide 2 digits

Hide 3 digits

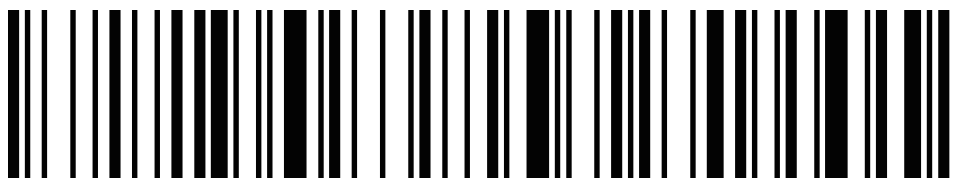
Hide 4 digits

Clear Hidden Prefix/Suffix

Step1 : Scan“Hide prefix”or“Hide suffix”setting code.
Step 2: Scan“Exit setting”setting code.

Timestamp

If you want to add a timestamp to each scan, please scan either Time Prefix or Time Suffix. Please contact Tera customer service for time update tool if the timestamp doesn’t show your local time.



Show Current Time

Time Prefix

Time Suffix

Clear Timestamp

Appendix-ASCII Table

The prefix/suffix settings are divided into two parts: control character table part and printable character table part.
Printable character table can be output directly through HID keyboard without escape.
Control character table cannot be directly output through HID keyboard, need to escape to output through HID keyboard.
Users can set escape character set according to their own requirement.

Set escape character set 0

Set escape character set 1

Set escape character set 2

Set escape character set 3

ASCII	Character set 0	Character set 1	Character set 2	Character set 3	Setting Code
SOH	NULL	Home	Ctrl+A	Alt+001	 %%01
STX	Ctrl+B	End	Ctrl+B	Alt+002	 %%02
ETX	Ctrl+C	Up Arrow	Ctrl+C	Alt+003	 %%03
EOT	NULL	Down Arrow	Ctrl+D	Alt+004	 %%04
ENQ	NULL	Left Arrow	Ctrl+E	Alt+005	 %%05
ACK	NULL	Right Arrow	Ctrl+F	Alt+006	 %%06
BEL	NULL	Shift+Tab	Ctrl+G	Alt+007	 %%07
BS	Back Space	Back Space	Back Space	Alt+008	 %%08
HT	Tab	Tab	Tab	Alt+009	 %%09

LF	Enter	Enter	Ctrl+P	Alt+010	 %%0A
VT	NULL	NULL	Ctrl+Q	Alt+011	 %%0B
FF	NULL	NULL	Ctrl+R	Alt+012	 %%0C
CR	Enter	Enter	Enter	Alt+013	 %%0D
SO	F1	Page Up	Ctrl+N	Alt+014	 %%0E
S1	F2	Page Down	Ctrl+O	Alt+015	 %%0F
DLE	F3	F11	Ctrl+P	Alt+016	 %%10
DC1	F4	NULL	Ctrl+Q	Alt+017	 %%11
DC2	F5	NULL	Ctrl+R	Alt+018	 %%12
DC3	F6	NULL	Ctrl+S	Alt+019	 %%13

DC4	F7	NULL	Ctrl+T	Alt+020	%%14
NAK	F8	F12	Ctrl+U	Alt+021	%%15
SYN	F9	F1	Ctrl+V	Alt+022	%%16
TB	F10	F2	Ctrl+W	Alt+023	%%17
CAN	F11	F3	Ctrl+X	Alt+024	%%18
EM	F12	F4	Ctrl+Y	Alt+025	%%19
SUB	NULL	F5	Ctrl+Z	Alt+026	%%1A
ESC	ESC	F6	Ctrl+[	Alt+027	%%1B
FS	ALT+028	F7	Ctrl+\	Alt+028	%%1C
GS	ALT+029	F8	Ctrl+]	Alt+029	%%1D

RS	NULL	F9	Ctrl+^	Alt+030	%%1E
US	NULL	F10	Ctrl+_	Alt+031	%%1F

ASCII	Setting Code	ASCII	Setting Code
Space	%%20	!	%%21
"	%%22	#	%%23
$	%%24	%	%%25
&	%%26	'	%%27
(	%%28	)	%%29

*	%%2A	,	%%2C
+	%%2B	-	%%2D
.	%%2E	/	%%2F
0	%%30	1	%%31
2	%%32	3	%%33
4	%%34	5	%%35

6	 %%36	7	 %%37
8	 %%38	9	 %%39
:	 %%3A	;	 %%3B
<	 %%3C	=	 %%3D
>	 %%3E	?	 %%3F
@	 %%40	A	 %%41

B	 %%42	C	 %%43
D	 %%44	E	 %%45
F	 %%46	G	 %%47
H	 %%48	I	 %%49
J	 %%4A	K	 %%4B
L	 %%4C	M	 %%4D

N	 %%4E	O	 %%4F
P	 %%50	Q	 %%51
R	 %%52	S	 %%53
T	 %%54	U	 %%55
V	 %%56	W	 %%57
X	 %%58	Y	 %%59

Z	 %%5A	[	 %%5B
\	 %%5C	]	 %%5D
^	 %%5E	_	 %%5F
`	 %%60	a	 %%61
b	 %%62	c	 %%63
d	 %%64	e	 %%65

f	 %%66	g	 %%67
h	 %%68	i	 %%69
j	 %%6A	k	 %%6B
l	 %%6C	m	 %%6D
n	 %%6E	o	 %%6F
p	 %%70	q	 %%71

r	 %%72	s	 %%73
t	 %%74	u	 %%75
v	 %%76	w	 %%77
x	 %%78	y	 %%79
z	 %%7A	}	 %%7D
{	 %%7B	|	 %%7C

~	 %%7E	Ç	 %%C7
DEL	 %%7F	ç	 %%E7