

TR-UM007



1D Wireless Barcode Scanner

User Manual

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About This Manual

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

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

If you need to change these settings, programming is accomplished by scanning the barcodes in this manual.

Note:

If there is no further setting command within 20 seconds, the scanner will automatically exit from the setting mode.

For the safe and effective use of the product, please read this manual carefully and do not scan setting barcodes at random. Some settings would otherwise be temporarily unavailable.

If you have any question or concern about the scanner, please contact us at the following email address:
info@tera-digital.com

Please write down your order number, model number and other details in the email.

Please do not hesitate to contact us if there is anything wrong with the scanner.

Restore the Default Setting



Restore the default settings

You may use this barcode in the following situations:

1. Scanner setting error, such as unable to read barcode.
2. Forget what settings were made to the scanner before, and don't want to use the previous settings.
3. After setting and using some functions that are not often used.



Display battery power



Check version number

Wireless Operation Mode

Normal Mode

After setting normal mode, the user can scan the normal codes with scan-and-transmit function, and discard when disconnected.



Normal 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

Communication Mode



Wireless 2.4G mode



Bluetooth HID mode



Bluetooth SPP mode



Bluetooth BLE mode

Wireless Pairing Settings

1. Wireless 2.4G pairing steps (receiver pairing)

Step 1: Scan "wireless 2.4G mode".

Step 2: Scan "Forced pairing" to enter pairing mode, the blue light on the left will flash quickly.

Step 3: Plug in Dongle (USB receiver), hearing a beep sound indicates pairing succeeds. The blue light on the right will always be on.



Wireless 2.4G mode



Forced 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 "Forced pairing" setting code to enter pairing state, the blue light on the left will flash 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. The blue light on the right will always be on.



Bluetooth HID mode



Forced 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.
The blue light will always be on.



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:

a) 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.

b) The full name of Bluetooth includes: Bluetooth name+protocol type. Only the Bluetooth name can be modified. The names of all Bluetooth protocols have been changed after modifying the Bluetooth name.

Scanning Mode



Button-press Mode



Always on/Continuous mode*

Prompt Sound Settings



Mute



High-tone prompt sound*



Medium-tone prompt sound



Low-tone prompt sound

Vibration Settings



Vibration On *



Vibration Off

Sleep Time Settings



Sleep time 1min



Sleep time 5min*



Sleep time 10min



Sleep time 30min



Always On



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)

End Character Settings



Modify end character to <CR>(0x0D)*



Modify end character to <LF>(0x0A)



Modify end character to <CR><LF>(0x0D,0x0A)



Modify end character to NONE

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
(Notebook, Excel, etc.)



Unicode encoding
(WORD, QQ etc.)



English



German



French



Spanish



Italian



Japanese



British English



International keyboard

Upper/Lower Case Settings



Normal output*



All Capitals



All lowercase



Case swap

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

Barcode Parameter Settings

Image reversal settings



Normal image recognition*



Inverse image recognition

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



Recognize All ASCII
characters*



Do not recognize all ASCII
character



Check character transmit On



*Check character transmit Off



MOD43 Check On



MOD 43 Check Off*



Start and end character
transmit On



Start and end character
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 end character
transmit On



Start and end character
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.

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
S0	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