

Model No.: HW0010

Wireless 2D Mini Barcode Scanner

User Manual

Ver.01.1.01

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 the programming mode.

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

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

Contents

Factory Reset	01
Working Mode	02
Communication Mode	03
2.4G Pairing Setting	04
Wireless 2.4G Pairing Steps	04
Bluetooth Setting	04
Bluetooth HID Pairing Steps	04
Bluetooth SPP/BLE Pairing Steps	06
Bluetooth HID Transmission Speed	07
Bluetooth Name Setup	07
Scanning Mode	08
Centering Window	09
Volume Setting	09
Vibration Setting	10
Sleep Time Setting	10
IOS System HID Virtual Keyboard Setting	11

Terminator Setting	11
Keyboard Language Setting	12
Upper/Lower Case Setting	13
Symbology Activate/De-activate	14
Hidden Character GS Replacement	21
GS Replacement	21
Prefix/Suffix Setup	22
Hide Prefix/Suffix	25
Appendix - ASCII Character Form	26

Factory Reset



Factory Reset

You may scan this barcode, when:

- 1. The barcode scanner is set incorrectly, such as when the barcode cannot be scanned.
- 2. The user has forgotten the previous setting or does not want to keep the previous setting.
- 3. The barcode scanner was set to use some functions which are no longer needed.



Battery Level



Version No.

Working Mode

Instant Upload Mode:

Under instant upload mode, the data readout is uploaded to the computer directly. The data will be lost if the scanner is disconnected.



Instant Upload Mode

Storage Mode:

When the scanner is disconnected or turned off, the stored barcodes will remain in memory unless the data are cleared.



Storage Mode



Upload Data



Total Quantity of Barcodes Uploaded



Clear Data

Communication Mode:



2.4G Mode



Bluetooth HID Mode



Bluetooth SPP Mode



Bluetooth BLE Mode

Note: The Bluetooth SPP mode and BLE mode can only be used after downloading or developing corresponding software.

2.4G Pairing Setting:

Wireless 2.4G Pairing Steps (USB Receiver pairing)

Step 1: Scan"2.4G Mode"

Step 2: Scan "Compulsory Pair with Dongle" to enter pairing mode, the left blue light flashes rapidly.

Step 3: Plug in the dongle. Pairing is successful when buzzer sounds "dee" and the right blue light is turns on.





2.4G Mode

Compulsory Pair with Dongle

Note: In pairing mode, if the user presses the button twice or the dongle is not detected in more than 1 minute, the pairing fails.

Bluetooth HID Pairing Steps:

Step 1: Scan "Bluetooth HID Mode"

Step 2: Scan "Compulsory Pair with Bluetooth" to enter pairing mode, the left blue light flashes rapidly.

Step 3: Open the Bluetooth function of your device, search "Barcode Bluetooth HID".

Step 4: Click the "Barcode Bluetooth HID" to enter Bluetooth pairing mode.

Step 5: The scanner makes a "dee" sound when pairing is successfully. The right blue light turns on.



Bluetooth HID Mode



Compulsory Pair with Bluetooth

Note: When entering pairing mode, if the user presses the button twice or the device is not detected in more than 1 minute, pairing fails.

While using the Bluetooth function, the user can press the button for 8 seconds to enter the pairing mode more quickly.



"Press for 8 Seconds to Enter the Pairing Mode" ON



"Press for 8 Seconds to Enter the Pairing Mode" OFF

Bluetooth SPP/BLE Pairing Steps:

Step 1: Scan "Bluetooth SPP Mode"

While setting Bluetooth SPP/BLE Mode, the scanner will automatically enter into SPP/BLE mode and enter into broadcast status.

The user can directly click the BarCode Bluetooth SPP/BLE device to enter into pairing mode.

Step 2: Search the "BarCode Bluetooth SPP/BLE" in the software.

Step 3: Click the Bluetooth device to enter into pairing mode.

Step 4: The scanner makes a "dee" sound after pairing successfully. The right blue light turns on.





Bluetooth SPP Mode

Bluetooth BLE Mode

Bluetooth HID Transmission Speed

If the data uploaded is missing or incorrect, please choose a slower transmission speed.



Bluetooth Name Setup

Use following steps to name the Bluetooth HID, SPP or BLE.

For example: Name the Bluetooth: Scanner Step 1: Scan "Customize Bluetooth Name" code Step 2:Make and scan the Bluetooth Name code



Customize Bluetooth Name



Example: Bluetooth Name Scanner

After setting:

The Bluetooth HID name will show as: Scanner HID The Bluetooth SPP name will show as: Scanner SPP The Bluetooth BLE name will show as: Scanner BLE

Note:

- a) The maximum length of the name is 16 bytes. If exceeded, the first 16 bytes will be used as the name.
- b) The complete Bluetooth name includes:
 Bluetooth name +Protocol type. Only the Bluetooth name can be changed. The Bluetooth protocol name will also be changed after the Bluetooth name changes.

Scanning Mode



Button-press Mode*

Always on/Continuous mode

Centering Window



Centering Off*

Center only

Centering Off - The scanner will scan all barcodes in its field of view with center preference; it is possible that the scanner reads barcodes in the corner of the image.

Center only - This setting targets the barcode closest to the center of the image. If the barcode is not in the center of the image, the scanner won't scan or read. This feature is recommended when there are multiple barcodes close together.

Volume Setting



Vibration Setting





Vibration ON (optional)

Vibration OFF (optional)

Note: This feature is not available for all models

Sleep Time Setting





Sleep Immediately

IOS System HID Virtual Keyboard Setting



"Double-click to show IOS Keyboard (HID Mode)"ON



"Double-click to show IOS Keyboard (HID Mode)"OFF

Terminator Setting



Add Carriage Return (0x0D)*



Add Linefeed (0x0A)



Add Carriage Return+ Linefeed (0x0D,0x0A)



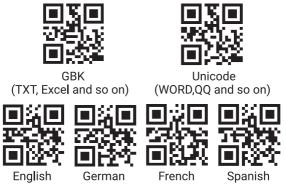
None

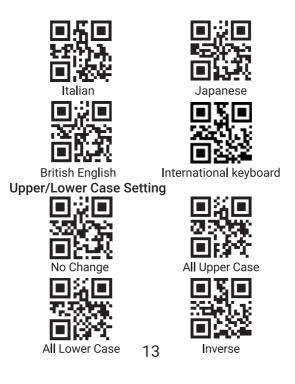
Keyboard Language Setting

Different languages have different keyboard positions and symbols.

The scanner can be virtualized into different keyboard forms according to actual requirements.

The keyboard position setting is applied to "HID Communication Port Mode" and "American English Keyboard" is the default.





Note: These settings can only be valid in standard keyboard input mode and keyboard emulation input control characters mode.

Symbology Activate/De-activate

UPC-A to EAN-13



All Barcoacs of



All 1D Codes ON



All 2D Codes ON



All Barcodes OFF



All 1D Codes OFF



All 2D Codes OFF

Inverted Barcodes Setting



Read Inverted Barcode*



Read Both Normal and Inverted Barcode

UPC-A



UPC-A ON*



UPC-A Check Digits ON*

UPC-A Check Digits OFF

UPC-A code consists of 12 digits and the 12th of which is the check digit. The check digit is used to check the validity of the whole 12 digits. The check digit is transmitted by default.

UPC-E



UPC-E ON*



UPC-E Check Digits ON*

UPC-E Check Digits OFF

UPC-E code consists of 8 digits and the 8th of which is the check digit. The check digit is used to check the validity of the whole 8 digits.

The check digit is transmitted by default.

EAN-8



EAN-8 ON*

EAN-8 OFF

EAN-13



EAN-13 ON*

EAN-13 OFF

Transmission to ISBN



Transmission to

Transmission to ISBN OFF*

Transmission to ISSN



Transmission to ISSN ON

Transmission to ISSN OFF*

UPC/EAN/JAN Additional Digits Setting

Additional digit means the 2 or 5 digits which are added after the normal digits. As the pictures below

show, the digits in the left blue box are normal digits and the digits in right red box are additional digits. The additional digits are closed by default.







+2/5 Digits OFF

+2/5 Digits ON

+2/5 Digits Automatically

Code 128



Code 128 ON*

Code 128 OFF

GS1-128



GSI-128 ON*

GSI-128 OFF

Code 39



Code 39 ON* Code 39 OFF



Code 39 Full ASCII ON

Code 39 Full ASCII OFF*



Check Digits OFF



MOD 43 Checked ON and Transmission ON

MOD 43 Checked ON and Transmission OFF*

Code 32



Code 32 ON

Code 32 OFF*

Note:

When the "Code 32 ON" is on, scanning of Code 39 will be affected. Only when Code 39 without check digits is on can Code32 Pharmaceutical be scanned.

Code 93



Code 93 ON*

Code 93 OFF

Code 11



Code 11 ON



Check Digits ON

Check Digits OFF*

Codabar (NW-7)



Codabar ON*

Codabar OFF



Start and End Digit Transmission ON

Start and End Digit Transmission OFF*

Industrial 2 of 5



Industrial 2 of 5 ON*

Industrial 2 of 5 OFF

GS1 DataBar 14 (RSS-14)



GS1 DataBar 14 ON*

GS1 DataBar 14 OFF

GS1 DataBar Limited (RSS-Limited)



GS1 DataBar Expanded(RSS-Expanded)

RSS Limited ON* RSS Limited OFF

DSS Evpanded ON*



RSS Expanded ON*

RSS Expanded OFF

QR Code



QR Code ON*

QR Code OFF

Micro QR Code



Micro QR Code ON*

Micro QR Code OFF

Data Matrix



Data Matrix ON*

Data Matrix OFF

PDF 417



PDF 417 ON*

PDF 417 OFF

Micro PDF 417



Micro PDF 417 ON*

Micro PDF 417 OFF

Hidden Character GS Replacement

This function can use the hidden character GS in place of other characters to display in the device.

When hidden character GS is needed to be displayed, the GS can be set to replace the 1D of ASCII form.

GS Replacement

Step1: Scan "GS Replacement"





GS Replacement ON

GS Replacement OFF

Step2: Search "Appendix-ASCII Character Form" to find the barcode of the character to be replaced.

For example:

Replace the GS character with the displayable character |.

Step1: Scan "GS Replacement ON"

Step2: Search "Appendix-ASCII Character Form" to find the barcode of the character "|" to be replaced.

Prefix /Suffix Setup

This scanner can add a prefix or suffix with a maximum size of 32 bytes.

Prefix Setup:

Step1: Scan "Add Prefix"

Step2: Search the "ASCII Character Form" to find the barcodes for the prefix and scan the digits in order.



Add Prefix

For example:

Add prefix "789" to the barcode "ABC123", to get the result "789ABC123".

Step1: Scan "Add Prefix";

Step2: Search the "ASCII Character Form" to find the barcodes for "7", "8", "9" and scan them in order.

Clear the Prefix set

Step 1: Scan "Add Prefix" Step 2: Scan "Exit Setting"



Add Prefix



Exit Setting

Suffix Setup

Step1: Scan "Add Suffix"

Step2: Search the "ASCII Character Form" to find the barcodes for the suffix and scan them in order. (The user has to scan the corresponding 0-3 character set when the content of the ESC is needed).



Add Suffix

For example:

Add suffix "XYZ" to the barcode "ABC123", to get the result "ABC123XYZ".

Step1: Scan "Add Suffix"

Step2: Search the "ASCII Character Form" to find the barcodes for "X", "Y", "Z" and scan them in order.

Clear Suffix

Step1: Scan "Add Suffix" Step2: Scan "Exit Setting"



Hide Prefix/Suffix



Exit Setting

Set the number of digits needed to be hidden, with a maximum of 4 digits.

Step 1: Scan "Hide Prefix" or "Hide Suffix"



Hide Prefix



Hide Suffix

Step2: Scan the following barcodes in accordance with the number of digits to be hidden.



Hide 1 Digits



Hide 2 Digits



Hide 3 Digits



Hide 4 Digits

Clear the Hidden Prefix/Suffix

Step1: Scan "Hide Prefix" or "Hide Suffix"

Step2: Scan "Exit Setting"









Hide Prefix Exit Setting Hide Suffix

Exit Setting

Appendix-ASCII Character Form

The Prefix and Suffix form can be divided into 2 parts: Control Character Form and Displayable Character Form.

Displayable Character Form can be output by HID keyboard directly and is not needed to transfer meaning.

Control Character Form cannot be output by HID keyboard directly and should transfer meaning first. Users can set the suitable Transfer Meaning Character Form according to their own needs.



Set Transfer Meaning Character Form 0



Set Transfer Meaning Character Form 1



Set Transfer Meaning Character Form 2



Set Transfer Meaning Character Form 3

ASCII	Character	Character	Character	Character	
	Form 0	Form 1	Form 2	Form 3	
SOH	NULL	Home	Ctrl+A	Alt+001	
		Setting Bar	code		
	III				
STX	Ctrl+B	End	Ctrl+B	Alt+002	
		Setting Bar	code		
	III				
ETX	Ctrl+C	Up Arrow	Ctrl+C	Alt+003	
	Setting Barcode				

EOT	NULL	Down Arrow	Ctrl+D	Alt+004	
		Setting Bar	code		
ENQ	NULL	Left Arrow	Ctrl+E	Alt+005	
		Setting Bar	code		
ACK	NULL	Right Arrow	Ctrl+F	Alt+006	
	Setting Barcode				
BEL	NULL	Shift+Tab	Ctrl+G	Alt+007	
	Setting Barcode				

BS	Back Space	Back Space	Back Space	Alt+008		
	Setting Barcode					
HT	Tab	Tab	Tab	Alt+009		
	Setting Barcode					
LF	Enter	Enter	Ctrl+P	Alt+010		
		Setting Bar	code			
VT	VT NULL NULL Ctrl+Q Alt+011					
Setting Barcode						

FF	NULL	NULL	Ctrl+R	Alt+012		
	Setting Barcode					
CR	Enter	Enter	Enter	A l t+013		
		Setting Bar	code			
SO	F1	Page Up	Ctrl+N	A l t+014		
		Setting Bar	code			
S1	S1 F2 Page Down Ctrl+O Alt+015					
Setting Barcode						

DLE	F3	F11	Ctrl+P	Alt+016
		Setting Bar	rcode	
DC1	F4	NULL	Ctrl+Q	A l t+017
		Setting Bar	rcode	
DC2	F5	NULL	Ctrl+R	Alt+018
	_	Setting Bar	rcode	
DC3	F6	NULL	Ctrl+S	Alt+019
Setting Barcode				

DC4	F7	NULL	Ctrl+T	Alt+020	
	Setting Barcode				
NAK	F8	F12	Ctrl+U	Alt+021	
		Setting Bar	rcode		
	I				
SYN	F9	F1	Ctrl+V	Alt+022	
		Setting Bar	rcode		
ТВ	F10	F2	Ctr l +W	Alt+023	
Setting Barcode					

CAN	F11	F3	Ctrl+X	Alt+024		
Setting Barcode						
EM	F12	F4	Ctrl+Y	Alt+025		
		Setting Bar	rcode			
	I					
SUB	NULL	F5	Ctrl+Z	Alt+026		
		Setting Bar	rcode			
	<u> </u>					
ESC	ESC ESC F6 Ctrl+[Alt+027					
	Setting Barcode					

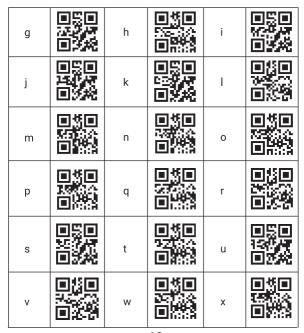
FS	ALT+028	F7	Ctrl+\	Alt+028	
	Setting Barcode				
GS	ALT+029	F8	Ctrl+]	Alt+029	
		Setting Ba	rcode		
RS	NULL	F9	Ctrl+^	Alt+030	
	-	Setting Ba	rcode		
US	NULL	F10	Ctrl+_	Alt+031	
	Setting Barcode				

Charac- ter	2D Setting Code	Charac- ter	2D Setting Code	Charac- ter	2D Setting Code
-		SP Space		!	
"		#		\$	
%		&		,	
(郻)		*	
+		,			
		/		0	

1	2		3	
4	5		6	
7	8		9	
:	;	959 250 950 950 950	<	
=	>		?	
@	А		В	

С	D	E	
F	G	Н	
ı	J	К	
L	М	N	■5 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13
0	Р	Q	
R	S	Т	

U	V	W	
х	Υ	Z	
[\]	
٨	_	ı	
а	b	С	
d	е	f	



у		Z	{	
ı		}	~	
DEL	■ 5 E	Ç	ç	

If you need any product support, please contact our customer service.

Important Notice:

Please attach your Amazon Order Number and Product Model Number in the email.

Official Customer Service

Email Addresses:

service-us@ tera-digital.com service-eu@ tera-digital.com service-uk@ tera-digital.com

Cell/WhatsApp (service in English): +86 13382526580

If you want to learn more about our brand or need a digital user manual of the latest version, please visit our official website via the links below or by scanning the given QR code:

https://tera-digital.com/

https://tera-digital.com/pages/user-manual

