

TR-UMHW0006 Pro



Model: HW0006 Pro

2D Area-imaging Barcode Scanner

User Manual

Ver.04.1.01

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:

If there are no further commands within 20 seconds, the scanner will automatically exit the setting mode.

For the correct use of the product, please read this manual carefully and do not scan setting 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

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User manuals are available in Spanish, French, Italian and German, and can be downloaded from our website. You may visit our official website via the link below or by scanning the given QR code:

<https://www.tera-digital.com>



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Factory Default



Reset to Factory Defaults

Firmware Version



Show Firmware Version

Keyboard Country Layout



United States



Germany



France



Spain



Italy



Japan



International



Belgium (French)



Portugal



United Kingdom



Russia



Czech



Italian 142



Turkey Q



Turkey F



Sweden/Finland



Mexico (Spanish)



Denmark



Switzerland (German)



Switzerland (French)



Dutch (Netherlands)



Hungary



Poland



Canada (French)

Character Encoding



GBK



UTF

Beeper Volume



Off



Low



Medium



High

Vibration



On*



Off

Operation Modes



Real Time Mode



Storage Mode



Upload All Codes



Total Records



Clear All Codes

Power Timeout Timer



30s



1 min



5 mins



30 mins



Never



Immediately

Battery Level



Show Battery Level

Communications

USB-COM/Virtual COM Port



USB-COM

2.4Ghz Wireless Pairing Instructions (Receiver Pairing)

Step 1: Scan the “2.4G Mode” barcode.



2.4G Mode

Step 2: Scan the “Pairing” barcode below to get the scanner ready for pairing, with the display flashing.



Pairing

Step 3: Plug in the dongle, and wait till the scanner beeps and the display stops flashing, indicating that the pairing has succeeded.

Note: When the scanner is in pairing mode, a double press on the trigger or not detecting any pairing request within 1 minute will force the scanner to exit pairing mode.

Bluetooth HID Pairing Instructions

Step 1: Scan the “Bluetooth HID Mode” barcode.



Bluetooth HID Mode

Step 2: Scan the “Pairing” barcode below to get the scanner ready for pairing, with the display flashing.



Pairing

Step 3: Enable Bluetooth on the host device and locate a device named “BarCode Bluetooth HID”.

Step 4:

Tap/click the device to pair it with the host device.

Step 5: The scanner emits a beep and red HID icon on the screen turns into green, indicating the pairing is successful.

Note: When the scanner is in pairing mode, a double press on the trigger or not detecting any pairing request within 1 minute will force the scanner to exit pairing mode.

Bluetooth SPP Pairing Instructions

This connection mode only works with applications designed for SPP purpose. If you are not familiar with Bluetooth SPP, please use Bluetooth HID.

Step 1 :

Scan the “Bluetooth SPP Mode” symbol.

To continue pairing the scanner with your device, launch a SPP-capable application. (It can be downloaded from application store).



Bluetooth SPP Mode

Step 2 :

Locate a device named “BarCode Scanner SPP” in the application.

Step 3 :

Tap/click “BarCode Scanner SPP” to pair it with your device.

Step 4 :

The scanner beeps once, indicating the pairing is successful.

Bluetooth BLE Pairing Instructions

This connection mode only works with applications designed for BLE purpose. If you are not familiar with Bluetooth BLE, please use Bluetooth HID.

Step 1:

Scan the “Bluetooth BLE Mode” barcode.

To continue pairing the scanner with your device, launch a BLE-capable application. (It can be downloaded from application store).

Step 2:

Locate a device named “BarCode Scanner BLE” in the application.

Step 3:

Tap/click “BarCode Scanner BLE” to pair it with your device.

Step 4:

The scanner beeps once, indicating that the pairing is successful.

Bluetooth HID Settings

Hold the button for 8s to enter Bluetooth HID Pairing



On



Off

iOS Virtual Keyboard Settings (Bluetooth HID Mode only)



Show/hide Keyboard



Pull trigger twice to show/hide keyboard On



Pull trigger twice to show/hide keyboard Off

Bluetooth HID Transfer Rate

If the transmitted data gets lost or garbled, try to reduce the transfer rate.



Fast



Medium*



Slow



Ultra-slow

Change Bluetooth Name

Step1 :

Scan the “Customize Bluetooth Name” symbol.



Customize Bluetooth Name

Step 2 :

Scan the barcode that contains characters desired.
(Users need to generate a barcode that contains characters desired on their own.)

Note :

The default name is BarCode Scanner. The target characters selected will be the new Bluetooth Name when the setting is done.

a) The maximum configuration of Bluetooth Name is 16 characters. If inputted characters are more than 16 characters, the scanner picks up the first 16 characters as the new Bluetooth name.

b) Structure of Bluetooth Name: Bluetooth Name + Bluetooth Profile. Users can only modify the name but not the profile.

Bluetooth Name



Show Bluetooth Name

Note: This configuration code only works when the scanner is connected via Bluetooth.

Group Separator Replacement



Replacement On



Replacement Off

1. How to replace Group Separators with characters of value above 32.
 - A. Scan the Replacement On symbol
 - B. Scan the symbol representing the desired character from the Printable Character Chart in Appendix B.
2. How to replace Group Separators with characters of value under 31.
 - A. Scan the appropriate Escape Character Set:



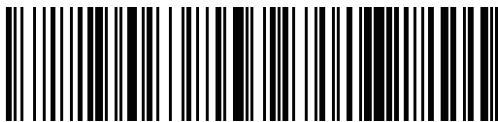
Escape Character Set 0



Escape Character Set 1



Escape Character Set 2



Escape Character Set 3

B. Scan the Replacement On symbol

C. Scan the symbol representing the desired character from the Control Character Chart in Appendix A.

Prefix and Suffix Selections

1. How to add characters of value above 32 as a prefix or a suffix.

A : Scan “Add Prefix” symbol or “Add Suffix” symbol.



Add Prefix



Add Suffix

B : Scan the symbol representing the desired character from the Printable Character Chart in Appendix B.

2. How to add characters of value under 31 as a prefix or suffix.

A. Scan the appropriate Escape Character Set symbol



Escape Character Set 0



Escape Character Set 1



Escape Character Set 2



Escape Character Set 3

B. Scan “Add Prefix” symbol or “Add Suffix” symbol



Add Prefix



Add Suffix

C. Scan the symbol representing the desired character from the Control Character Chart in Appendix A.

3. To remove prefixes and/or suffixes, scan the appropriate code below.



Clear Prefixes



Clear Suffixes

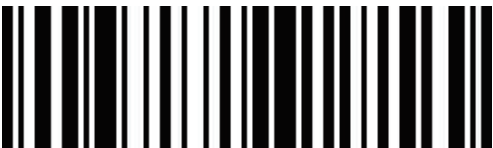
Hide Characters



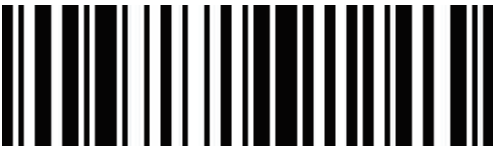
Hide the first characters



Hide the last characters



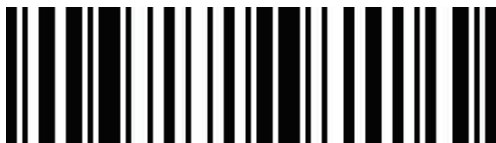
1 digit



2 digits



3 digits



4 digits



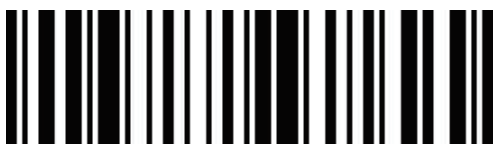
5 digits



6 digits



7 digits



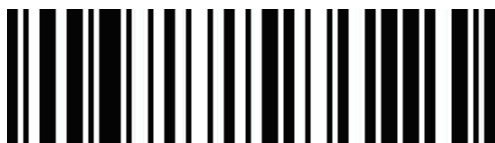
8 digits



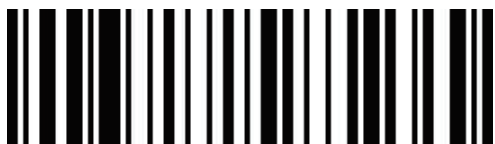
9 digits



10 digits



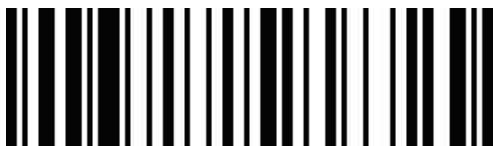
11 digits



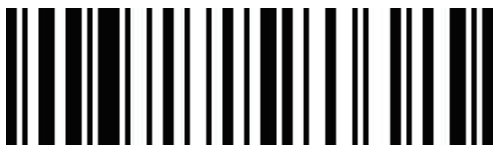
12 digits



13 digits



14 digits



15 digits



16 digits



Don't hide the first characters



Don't hide the last characters

Terminators



Carriage Return(CR)



Line Feed(LF)



CR&LF



Horizontal Tab(HT)



None

Keyboard Conversion



Convert all Characters to Lower Case



Convert all Characters to Upper Case



Invert Case of All Characters



Conversion Off

Timestamp



Show Current Time



Time Prefix



Time Suffix



Clear Timestamp

Note: When the scanner turns off, the timer will restore to the factory default. To sync the timer, please contact customer service for the time sync tool.

Scan Modes



Manual Trigger Mode



Continuous Scan Mode



Sensor-activated Mode

Reread Delay

This sets the time period before the scanner can read the same barcode a second time. Setting a reread delay protects against accidental rereads of the same barcode. Reread delay only works when the scanner is in Continuous Scan Mode or Sensor-activated Mode.



*0ms



100ms



300ms



500ms



1000ms



3000ms

Intermessage Delay



0ms



*500ms



1000ms



2000ms



5000ms



10000ms

Symbologies

Code 128 Inverse

(This option applies to both Code 128 and GS1-128)



*Off



On

Code 39 Inverse



*Off



On

EAN/UPC Inverse



*Off



On

Code 128



*On



Off

GS1 128 (Former EAN/UCC 128)



*On



Off

Code 39



*On



Off

Code 39 Full ASCII



On



*Off

Code39 Mod43 Check



On



*Off

Transmit Code 39 Check Digit

(This option only works when Mod43 check is validated)



On



*Off

Code 39 Start/Stop Characters



On



*Off

Code 32



On



*Off

EAN-13



*On



Off

EAN-13 Check Digit



*On



Off

EAN-13 2-digit Addenda



On



*Off

EAN-13 5-digit Addenda



On



*Off

Addenda Required



Required



*Not Required

EAN-8



*On



Off

EAN-8 Check Digit



*On



Off

EAN-8 2-digit Addenda



On



*Off

EAN-8 5-digit Addenda



On



*Off

Addenda Required



Required



*Not Required

Convert EAN-13 to ISSN



On



*Off

Convert EAN-13 to ISBN



On



*Off

UPC-A



*On



Off

UPC-A Check Digit



*On



Off

UPC-A 2-digit Addenda



On



*Off

UPC-A 5-digit Addenda



On



*Off

Addenda Required



Required



*Not Required

UPC-A Number System



*On



Off

Convert UPC-A to EAN-13



On



*Off

UPC-E



*On



Off

UPC-E Check Digit



*On



Off

UPC-E 2-digit Addenda



On



*Off

UPC-E 5-digit Addenda



On



*Off

Addenda Required



Required



*Not Required

Convert UPC-E to UPC-A



On



*Off

UPC-E1



On



*Off

Code 93



*On



Off

Codabar



On



*Off

Codabar Mod16 Check



On



*Off

Transmit Codabar Check Digit (This option only works when Mod16 check is validated)



On



*Off

Codabar Start/Stop Characters



*On



Off

Matrix 2 of 5



On



*Off

Code 11



On



*Off

MSI PLSEYY



On



*Off

Telepen



On



*Off

Febraban



*On



Off

QR

QR Code



*On



Off

QR Code Inverse



*Regular Only



Inverse Only



Both Regular and Inverse

Data Matrix



*On



Off

Data Matrix



*Regular Only



Inverse Only



Both Regular and Inverse

PDF417



*On



Off

PDF417 Inverse



*Regular Only



Both Regular and Inverse

Aztec Code



On



*Off

GS1 Databar



On



*Off

GS1 Composite

Note: To scan GS1 Composite codes, please enable GS1 Databar first.



On



*Off

Code ID



*Code ID Off



Code ID On

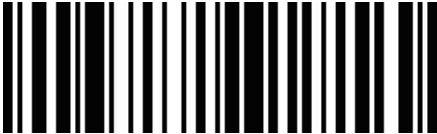
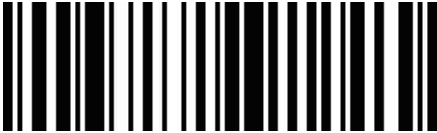

Code ID Chart

Code	Barcode Type
C	Code128/GS1-128
F	Code39/ Code32
J	Code11
B	Codabar
K	Code93
E	EAN13/EAN8/ISBN/ISSN
U	UPC-A/UPC-E
I	ITF25
D	IND25
S	STD25
M	Matrix25
N	NEC25
P	MSI PLSEY
T	Telepen
A	Pharma

W	Trioptic code
H	CHNPOST/HK25
R	RSS
V	Koreapost
q	QR/Micro QR
p	PDF 417/Micro FDF 417
d	Data matrix
a	Aztec
h	Hanxin
m	Maxicode
t	Dotcode
g	GM code
o	OCR
k	Codablock A
f	Codablock F
n	Foreign Postal

Appendix A

Control Characters Chart

DEC	ASCII	Set 0	Set 1	Set 2	Set 3
1	SOH	NULL	Home	Ctrl+A	Alt+001
Symbol 					
2	STX	Ctrl+B	End	Ctrl+B	Alt+002
Symbol 					
3	ETX	Ctrl+C	Up Arrow	Ctrl+C	Alt+003
Symbol 					

4	EOT	NULL	Down Arrow	Ctrl+D	Alt+004
---	-----	------	---------------	--------	---------

Symbol



5	ENQ	NULL	Left Arrow	Ctrl+E	Alt+005
---	-----	------	---------------	--------	---------



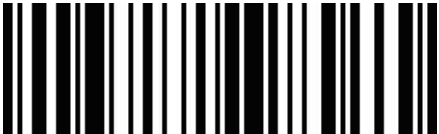
Symbol

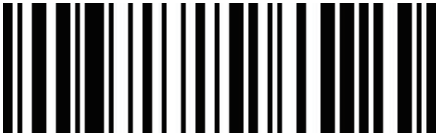




6	ACK	NULL	Right Arrow	Ctrl+F	Alt+006
---	-----	------	----------------	--------	---------

Symbol



7	BEL	NULL	Shift+ Tab	Ctrl+G	Alt+007
Symbol					
					
8	BS	Back Space	Back Space	Back Space	Alt+008
Symbol					
					
9	HT	Tab	Tab	Tab	Alt+009
Symbol					
					

10	LF	Enter	Enter	Ctrl+P	Alt+010
Symbol 					
11	VT	NULL	NULL	Ctrl+Q	Alt+011
Symbol 					
12	FF	NULL	NULL	Ctrl+R	Alt+012
Symbol 					

13	CR	Enter	Enter	Enter	Alt+013
----	----	-------	-------	-------	---------

Symbol



14	S0	F1	Page Up	Ctrl+N	Alt+014
----	----	----	---------	--------	---------

Symbol



15	S1	F2	Page Down	Ctrl+O	Alt+015
----	----	----	-----------	--------	---------

Symbol



16	DLE	F3	F11	Ctrl+P	Alt+016
----	-----	----	-----	--------	---------

Symbol



17	DC1	F4	NULL	Ctrl+Q	Alt+017
----	-----	----	------	--------	---------

Symbol



18	DC2	F5	NULL	Ctrl+R	Alt+018
----	-----	----	------	--------	---------

Symbol



19	DC3	F6	NULL	Ctrl+S	Alt+019
----	-----	----	------	--------	---------

Symbol



20	DC4	F7	NULL	Ctrl+T	Alt+020
----	-----	----	------	--------	---------

Symbol



21	DC2	F8	F12	Ctrl+U	Alt+021
----	-----	----	-----	--------	---------

Symbol



22	SYN	F9	F1	Ctrl+V	Alt+022
----	-----	----	----	--------	---------

Symbol



23	TB	F10	F2	Ctrl+W	Alt+023
----	----	-----	----	--------	---------

Symbol



24	CAN	F11	F3	Ctrl+X	Alt+024
----	-----	-----	----	--------	---------

Symbol



25	EM	F12	F4	Ctrl+Y	Alt+025
----	----	-----	----	--------	---------

Symbol



26	SUB	NULL	F5	Ctrl+Z	Alt+026
----	-----	------	----	--------	---------

Symbol



27	Esc	Esc	F6	Ctrl+[Alt+027
----	-----	-----	----	--------	---------

Symbol



28	FS	ALT+028	F7	Ctrl+\	Alt+028
----	----	---------	----	--------	---------

Symbol



29	GS	ALT+029	F8	Ctrl+]	Alt+029
----	----	---------	----	--------	---------

Symbol



30	RS	NULL	F9	Ctrl+^	Alt+030
----	----	------	----	--------	---------

Symbol



31	US	NULL	F10	Ctrl+_	Alt+031
----	----	------	-----	--------	---------




Symbol



Appendix B

Printable Characters Chart

DEC	ASCII	Symbol
32	Space	
33	!	
34	"	
35	#	
36	\$	

37	%	
38	&	
39	'	
40	(
41)	
42	*	

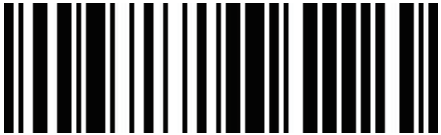
43	+	
44	,	
45	-	
46	.	
47	/	
48	0	

49	1	
50	2	
51	3	
52	4	
53	5	
54	6	

55	7	
56	8	
57	9	
58	:	
59	;	
60	<	

61	=	
62	>	
63	?	
64	@	
65	A	
66	B	

67	C	
68	D	
69	E	
70	F	
71	G	
72	H	


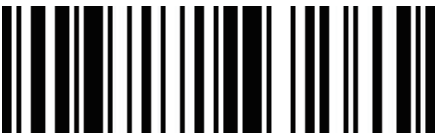




73	I	
74	J	
75	K	
76	L	
77	M	
78	N	

79	O	
80	P	
81	Q	
82	R	
83	S	
84	T	

85	U	
86	V	
87	W	
88	X	
89	Y	
90	Z	

91	[
92	\	
93]	
94	^	
95	_	
96	`	

97	a	
98	b	
99	c	
100	d	
101	e	
102	f	

103	g	
104	h	
105	i	
106	j	
107	k	
108	l	

109	m	
110	n	
111	o	
112	p	
113	q	
114	r	

115	s	
116	t	
117	u	
118	v	
119	w	
120	x	

121	y	
122	z	
123	{	
124		
125	}	
126	~	

127	DEL	
199	Ç	
231	ç	