

TR-UMHW0007

# Tera

**Model No.: HW0007**

Bluetooth 2D Barcode Scanner  
with Charging Cradle

**User Manual**

Ver.03.1.02



## 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 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.

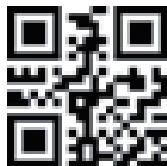
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# Chapter 1 Factory Reset

## Factory Default

Please scan the barcodes below to set it to factory default settings if the barcode scanner can't work properly due to inappropriate settings.



Factory Default - Scanner Enable Wireless Feature

Scan “Factory Default – Receiver” barcode and wait for the receiver to pair with the scanner automatically. If pairing is successful, the scanner will beep twice; if pairing fails, scan the “pairing” barcode to force the scanner to pair with the receiver.



Factory Default - Receiver



Pairing

## Shut Down



Shut Down

## Firmware Version



Show Version Number

## Battery Level



Show Battery Level

## Chapter 2 Wireless Settings

### 1. Wireless Pairing



Quick Pairing

### 2. Operation Modes

#### Real Time Mode



Real Time Mode\*

## Storage Mode



Storage Mode



Transmit All Barcodes Stored



Transmit Total Records



Clear All Barcodes Stored

## Chapter 3 General Settings

### 1.Scan Modes



Manual Trigger Mode\*

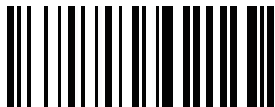


Continuous Scan Mode



Sensor-activated Mode

## 2.Keyboard Country Layout



United States (English)



Germany (German)



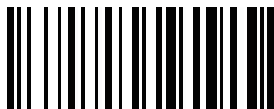
France (French)



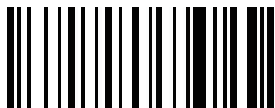
Italy (Italian)



Portugal (Portuguese)



Spain (Spanish)



Finland



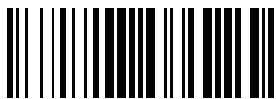
Czech



Japan



Mexico (Spanish)



Brazil (Portuguese)



Norway (South Sami)



Turkey - Q

### 3. Beeper and Vibration

#### Vibration



On\*



Off

#### Beeper Sound



All Sounds On\*



All sounds Off





Good Read On\*



Good Read Off



Configuration Codes  
Good Read On\*



Configuration Codes  
Good Read Off

## Beeper Volume



High\*



Medium



Low

## 4.Data Transfer Speed



High



Medium



Slow



Ultra-slow

## 5.Power Timeout Timer

- Steps: 1. Scan "Set up timer duration"  
2. Scan the appropriate barcode



Set up timer duration



Never



20s

07



30s



60s



2 minutes



5 minutes\*



10 minutes

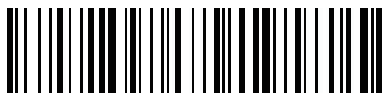


20 minutes

## 6. Case Conversion



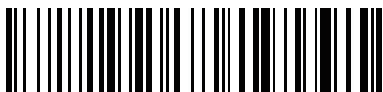
Conversion Off\*



Invert Case of All Characters



Convert All Characters to Upper Case



Convert All Characters to Lower Case

## 7. Reread Delay (Continuous Scan Mode/Sensor-activated Mode Only)



No Delay



1s Delay



5s Delay



Unlimited Delay

## 8.Centering Window

Centering On – The barcode desired to be scanned must be in the center of the window. Barcodes that are not in the field won't be scanned or read.

This feature is recommended when there are multiple barcodes close to each other. When centering off feature is enabled, the scanner will scan all barcodes in its field of view with center preference.

In this mode, you are able to adjust the scanner's field of view by changing the top and bottom of the centering window. Scan Centering On symbol, then select the appropriate percentage of field from the barcodes below. By default, the scanner is able to read 35% of the field of view when centering on is enabled.



\*Centering Off



Centering On



\*Center 35%



Center 10%



Center 20%



Center 25%

# Chapter 4 Data Format

## 1.Code ID Prefix



Don't Transmit Code ID\*



Transmit Code ID

## 2.Terminators



None\*



CR



TAB



CR & LF

## 3.Add a prefix/suffix

Add a prefix

How to set up:

- Scan "Add Prefix" barcode
- Scan numeric barcodes in sequence from Programming Chart. The scanner beeps every four scans.
- Scan "Save and Finish"
- Scan "Output Prefix"



Add Prefix



Save and Finish



Output Prefix

#### Add Suffix

How to set up:

- Scan "Add Suffix" barcode
- Scan numeric barcodes in sequence from Programming Chart. The scanner beeps every four scans.
- Scan "Save and Finish"
- Scan "Output Suffix"



Add Suffix



Save and Finish



Output Suffix

## Don't Output Prefixes and Suffixes



Scanned Barcodes Only

## Output both Prefixes and Suffixes



Scanned Barcodes with Prefixes and Suffixes

## Time Prefix and Suffix



No Timestamp

## Windows Notepad Timestamp



Time/Date Before Barcodes



Time/Date After Barcodes



## Windows Word Timestamp



Time/Date Before Barcodes



Time/Date After Barcodes

## Windows Excel Timestamp



Time/Date Before Barcodes



Time/Date After Barcodes

## 4.Hide Characters

Hide the first characters

How to set up:

A. Scan "Hide the First Characters"

B. Scan "Digits to be hidden"

C. Scan numeric codes from Appendix - Programming Chart (Hide 1 digit, scan "0", "0", "1"; hide 2 digits, scan "0", "0", "2"; the reset may be inferred. The maximum configuration size is 16 digits)



Hide the First Characters



Don't Hide the First Characters\*



Digits to be hidden

### Hide the Middle Characters

A. Scan “Hide the Middle Characters”

B. Scan “From the X Digit” and then scan numeric barcodes from Appendix – Programming Chart (hide characters from the second digit, scan “0”, “0”, “2”; hide characters from the third digit, scan “0”, “0”, “3”, the reset may be inferred)

C. Scan “Digits to be Hidden” and then scan numeric barcodes from Appendix – Programming Chart (Hide 1 digit, scan “0”, “0”, “1”; hide 2 digits, scan “0”, “0”, “2”; the reset may be inferred. The maximum configuration size is 16 digits)



Hide the Middle Characters



Don't Hide the Middle Characters\*



From the X Digit



Digits to be Hidden

## Hide the Last Characters

How to set up:

A. Scan “Hide the Last Characters”

B. Scan “Digits to be Hidden”

C. Scan numeric codes from Appendix - Programming Chart (Hide 1 digit, scan “0”, “0”, “1”; hide 2 digits, scan “0”, “0”, “2”; the reset may be inferred. The maximum configuration size is 16 digits)



Hide the Last Characters



Don't Hide the Last Characters\*



Digits to be Hidden

# Chapter 5 Symbologies

## 1.1D and 2D Symbologies



All 1D Symbologies On



All 1D Symbologies Off



All 2D Symbologies On



All 2D Symbologies Off

## 2.UPC-A



On\*



Off



Transmit Check Digit\*



Don't Transmit Check Digit



2-digit Addenda On



2-digit Addenda Off\*



5-digit Addenda On



5-digit Addenda Off\*



Addenda Required



Addenda Not Required\*



UPC-A to EAN-13 On



UPC-A to EAN-13 Off\*

### 3.UPC-E



On\*



Off



Transmit Check Digit\*



Don't Transmit Check Digit



2-digit Addenda On



2-digit Addenda Off\*



5-digit Addenda On



5-digit Addenda Off\*



UPC-E to UPC-A On



UPC-E to UPC-A Off\*

#### 4.EAN-8



On\*



Off



Transmit Check Digit\*



Don't Transmit Check Digit



2-digit Addenda On



2-digit Addenda Off\*



5-digit Addenda On



5-digit Addenda Off\*

### 5.EAN-13



On\*



Off



Transmit Check Digit\*



Don't Transmit Check Digit



2-digit Addenda On



2-digit Addenda Off\*





5-digit Addenda On



5-digit Addenda Off\*



Addenda Required



Addenda Not Required\*

## 6.Code 128



On\*



Off

## 7.GS1-128 (UCC/EAN-128)



On\*



Off

### 8. Interleaved 2 of 5



On



Off\*

### 9. Matrix 2 of 5



On\*



Off

### 10. Industrial 2 of 5



On



Off\*

### 11. Standard 2 of 5



On



Off\*

## 12. Code 39



On\*



Off



Transmit Start and Stop  
Characters



Don't Transmit Start and  
Stop Characters\*

## 13. Code 39 Full ASCII



On



Off\*

## 14. Code 32



On



Off\*

### 15. Code 93



On\*



Off

### 16. Code 11



On



Off\*

### 17. Codabar



On



Off\*



Don't Transmit Start and Stop Characters



Transmit Start and Stop Characters\*

**18. MSI**



On



Off\*

**19. GS1-Databar**



On



Off\*

**20. GS1 Composite Code**



On



Off\*

**21. QR Code**



On\*



Off



Regular Only\*



Both Regular and Inverse

## 22. Data Matrix



On\*



Off



Regular Only\*



Inverse Only



Both Regular and Inverse

**23. PDF 417**



On\*



Off

**24. Aztec Code**



On



Off\*

**25. Maxi Code**



On



Off\*

**26. Han Xin Code**



On



Off\*

## Appendix 1: Programming Chart



1



2



3



4



5



6



7



8



9



10



## Appendix 2: Code ID

Code ID	Code Type
A	UPC-A, UPC-E, EAN-8, EAN-13
B	Code 39, Code 32
C	Codabar
D	Code 128, ISBT 128
E	Code 93
F	Interleaved 2 of 5/ITF, ITF14
G	Industrial 2 of 5, Standard 2 of 5
H	Code 11
J	MSI, MSI/Plessey
K	UCC/EAN-128/GS1-128
L	Bookland EAN/ISBN, ISSN
R	GS1 DataBar-14, GS1 DataBar Limited, GS1 DataBar Expanded, RSS
V	Matrix 2 of 5

r	PDF417
u	Data Matrix
q	QR
a	Aztec Code
x	Maxi Code
c	Han Xin Code

### Appendix 3: Conversion Chart

Value	HEX Value	Function Key	Ctrl + X
1000	00h	Null	CTRL 2
1001	01h	Keypad Enter	CTRL A
1002	02h	Caps lock	CTRL B
1003	03h	RightArrow	CTRL C
1004	04h	Up Arrow	CTRL D
1005	05h	Null	CTRL E
1006	06h	Null	CTRL F

1007	07h	Enter	CTRL G
1008	08h	Left Arrow	CTRL H
1009	09h	Horizontal Tab	CTRL I
1010	0Ah	Down Arrow	CTRL J
1011	0Bh	Vertical Tab	CTRL K
1012	0Ch	Backspace	CTRL L
1013	0Dh	Enter	CTRL M
1014	0Eh	Insert	CTRL N
1015	0Fh	Esc	CTRL O
1016	10h	F11	CTRL P
1017	11h	Home	CTRL Q
1018	12h	Print Screen	CTRL R
1019	13h	Delete	CTRL S
1020	14h	tab+shift	CTRL T
1021	15h	F12	CTRL U
1022	16h	F1	CTRL V

1023	17h	F2	CTRL W
1024	18h	F3	CTRL X
1025	19h	F4	CTRL Y
1026	1Ah	F5	CTRL Z
1027	1Bh	F6	CTRL [
1028	1Ch	F7	CTRL \
1029	1Dh	F8	CTRL ]
1030	1Eh	F9	CTRL 6
1031	1Fh	F10	CTRL -
1032	20h	Space	
1033	21h	!	
1034	22h	‘	
1035	23h	#	
1036	24h	\$	
1037	25h	%	
1038	26h	&	

1040	28h	(
1041	29h	)
1042	2Ah	*
1043	2Bh	+
1044	2Ch	,
1045	2Dh	-
1046	2Eh	.
1047	2Fh	/
1048	30h	0
1049	31h	1
1050	32h	2
1051	33h	3
1052	34h	4
1053	35h	5
1054	36h	6
1055	37h	7

1056	38h	8
1057	39h	9
1058	3Ah	:
1059	3Bh	;
1060	3Ch	<
1061	3Dh	=
1062	3Eh	>
1063	3Fh	?
1064	40h	@
1065	41h	A
1066	42h	B
1067	43h	C
1068	44h	D
1069	45h	E
1070	46h	F
1071	47h	G

1072	48h	H
1073	49h	I
1074	4Ah	J
1075	4Bh	K
1076	4Ch	L
1077	4Dh	M
1078	4Eh	N
1079	4Fh	O
1080	50h	P
1081	51h	Q
1082	52h	R
1083	53h	S
1084	54h	T
1085	55h	U
1086	56h	V
1087	57h	W

1088	58h	X
1089	59h	Y
1090	5Ah	Z
1091	5Bh	[
1092	5Ch	\
1093	5Dh	]
1094	5Eh	^
1095	5Fh	_
1096	60h	'
1097	61h	a
1098	62h	b
1099	63h	c
1100	64h	d
1101	65h	e
1102	66h	f
1103	67h	g



1104	68h	c
1105	69h	i
1106	6Ah	j
1107	6Bh	k
1108	6Ch	l
1109	6Dh	m
1110	6Eh	n
1111	6Fh	o
1112	70h	p
1113	71h	q
1114	72h	r
1115	73h	s
1116	74h	t
1117	75h	u
1118	76h	v
1119	77h	w

1120	78h	x
1121	79h	y
1122	7Ah	z
1123	7Bh	{
1124	7Ch	
1125	7Dh	}
1126	7Eh	~
1127	7Fh	Undefined

# Bluetooth Pairing Instructions

## Method 1

Step 1: Scan the Bluetooth-HID barcode.

Note: The scanner will shut down after scanning the Bluetooth HID code. Press the trigger to turn it on and the scanner will be in Pairing mode with LED indicator flashing green.



On

Step 2: Enable Bluetooth on your device and search for the scanner.

Step 3: Tap/click the name to pair it with your device.

## Method 2

Step 1: Scan “Long press trigger to enter Bluetooth Pairing Mode On” barcode.



Long press trigger to enter Bluetooth Pairing Mode Off



Long press trigger to enter Bluetooth Pairing Mode On

Step 2: Press and hold the trigger for 8 seconds, the scanner beeping and its LED indicator flashing green

Step 3: Enable Bluetooth on your device and search for the scanner.

Step 4: Tab/click the name to pair it with your device.

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.

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