



Model No: HW0005

Wireless 2D Barcode Scanner
with Charging Cradle

User Manual

Newer & Multilingual User Manual online:
<https://www.tera-digital.com>

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



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Chapter 1 Factory Default Settings



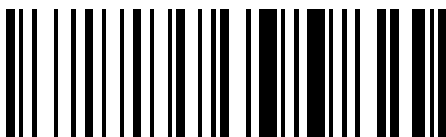
Factory Default



Shut Down



Firmware Version Number

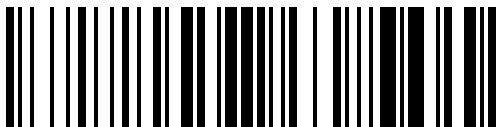


Battery Level

Note: To reset the scanner to factory default settings, scan the QR code first, then scan the barcode below the QR code after hearing a beep. After that, wait until the scanner beeps twice, which means the resetting is complete.

Chapter 2 Wireless Operation

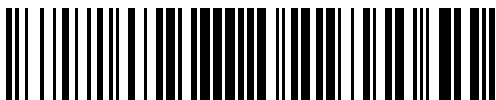
1. Wireless Pairing



Quick Pairing

2. Working Modes

Real Time Mode



*Real Time Mode

Storage Mode



Storage Mode



Upload All Barcodes Stored



Total Records



Clear All Barcodes Stored

Chapter 3 General Settings

1. Scanning Modes

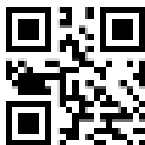
Manual Trigger Mode: Pull the trigger to scan and release to finish scanning.



*Manual Trigger Mode

Continuous Scan Mode:

The scanner keeps scanning without pulling the trigger.



Continuous Scan Mode

Sensor-activated Mode: The scanner keeps detecting ambient light brightness and gives a scan when change in brightness detected.



Sensor-activated Mode

2. Keyboard Country Layout



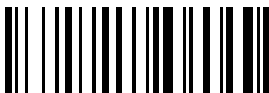
United States



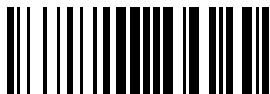
Germany



France



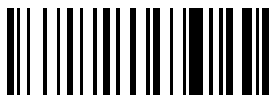
Italy



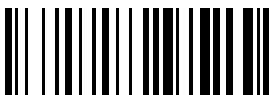
Portugal (Portuguese)



Spain (Spanish)



Finland



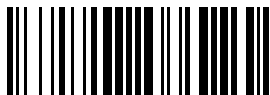
Czech



Japan



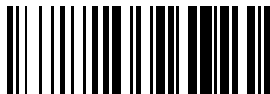
Spain (Mexico)



Portugal (Brazil)



Norway (Northern Sami)



Turkey Q



Windows System Keyboard
(Keypad turned on)

3. Beeper and Vibrator

Vibration



*On



Off

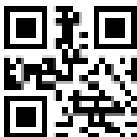
Beeper Sound



*All Sounds On



All Sounds Off



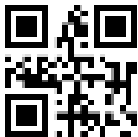
*Sound - Good Read On



Sound - Good Read Off



*Sound - Configuration On



Sound - Configuration Off

Beeper Volume



*High



Medium

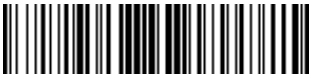


Low

4. Data Transfer Rate



Fast



Medium



Slow



Ultra-slow

5. Sleep Timer

How to set a sleep timer: Scan “Set a sleep timer”, and then scan a specific time interval barcode below.



Set a sleep timer



Never



20s



30s



60s



2 mins



*5 mins



10 mins



20 mins

6. Keyboard Conversion



*Conversion Off



Invert Case of
All Characters



Convert All Characters to
Upper Case



Convert All Characters to
Lower Case

Chapter 4 Data Format

1. Code ID



*Don't Transmit Code ID



Transmit Code ID

2. Terminators



*None



CR & LF



CR



CR Twice



TAB



CR & LF Twice

3. Add Prefix/Suffix

Add a prefix (If you need to clear prefixes, please reset the scanner to factory defaults)

How to set a prefix:

- A. Scan “Configure prefixes” barcode
- B. Scan symbols for numbers from Character Chart in sequence. The scanner will emit a beep every four scans on numbers to indicate the setting succeeds.
- C. Scan “Finish configuring prefixes”
- D. Scan “Output prefixes” barcode



Configure prefixes



Finish configuring prefixes



Output Prefixes

Add a suffix (If you need to clear suffixes, please reset the scanner to factory defaults)

How to set a suffix:

- A. Scan "Configure suffixes" barcode
- B. Scan symbols for numbers from Character Chart in sequence. The scanner will emit a beep every four scans on numbers to indicate the setting succeeds.
- C. Scan "Finish configuring suffixes"
- D. Scan "Output suffixes" barcode



Configure suffixes



Finish configuring suffixes

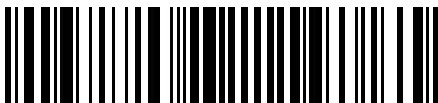


Output suffixes

Note:

If you need to program a prefix or suffix in accordance with symbologies, please contact Tera customer service.

4. Time Prefix/Suffix



Time Prefix/Suffix Off

Insert Time&Date in Windows Notepad



Insert Time&Date
Before Barcodes



Insert Time&Date
After Barcodes

Insert Time&Date in Windows Word



Insert Date
Before Barcodes



Insert Date
After Barcodes



Insert Time&Date
Before Barcodes



Insert Time&Date
After Barcodes

Insert Time&Date in Windows Excel



Insert Date
Before Barcodes



Insert Date
After Barcodes



Insert Time
Before Barcodes



Insert Time
After Barcodes



Insert Time&Date
Before Barcodes



Insert Time&Date
After Barcodes

5. Hiding Characters

Hide characters from the beginning

How to hide the first characters :

A. Scan "Hide the first characters" barcode

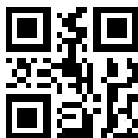
A. Scan "Set up digits to be hidden" barcode

B. Scan symbols for numbers from Programming Chart

(For example, to hide a digit, scan "0", "0", "1"; 2 digits, scan "0", "0", "2", and so on. The maximum configuration size is 16 characters)



Hide the first characters



*Don't hide the first characters

Configure digits to be hidden



Set up digits to be hidden

Hide characters from the middle

A. Scan "Hide the middle characters" barcode

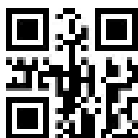
B. Scan "Select the start digit" and then scan symbols from Programming Chart (Hide characters from the 2nd digit, scan "0", "0", "2"; from the 3rd digit, scan "0", "0", "3", and so on)

C. Scan "Set up digits to be hidden" barcode (Hide 1 digit, scan "0", "0", "1"; 2 digits, scan "0", "0", "2", and so on.

The maximum configuration size is 16 characters)



Hide the middle characters



*Don't hide the middle characters

Configure where the command of hiding characters starts from



Select the start digit

Configure the digits to be hidden



Set up digits to be hidden

Hide characters from the end

How to hide the last characters:

- A. Scan “Hide the last characters” barcode
- B. Scan “Set up digits to be hidden” barcode
- C. Scan symbols from Programming Chart (Hide 1 digit, scan “0”, “0”, “1”; 2 digits, scan “0”, “0”, “2”, and so on. The maximum configuration size is 16 characters)



Hide the last characters



*Don't hide the last characters

Configure digits to be hidden



Set up digits to be hidden

Note: If you need to hide characters in accordance with symbologies, contact Tera customer service.

6. Group Separator



Display GS characters



*Hide GS characters



Replace GS characters with ''

Chapter 5 Symbolologies

1. 1D/2D Barcode Symbolologies



All 1D Symbolologies On



All 1D Symbolologies Off



All 2D Symbolologies On



All 2D Symbolologies Off

2. 1D Inverse Barcodes Reading



On



Off

3. UPC-A



On



Off



*Transmit Check Digit



Don't Transmit Check Digit



Transmit 2-digit Addenda



*Don't Transmit 2-digit Addenda



Transmit 5-digit Addenda



*Don't Transmit 5-digit Addenda



Addenda Required



*Addenda Not Required



UPC-A Converted to
EAN-13 On



*UPC-A Converted to
EAN-13 Off

4. UPC-E



*On



Off



*Transmit Check Digit



Don't Transmit Check Digit



Transmit 2-digit Addenda



*Don't Transmit 2-digit
Addenda



Transmit 5-digit Addenda



* Don't Transmit 5-digit Addenda



UPC-E Converted to
UPC-A On



UPC-E Converted to
UPC-A Off

5. EAN-8



*On



Off



*Transmit Check Digit



Don't Transmit Check Digit



Transmit 2-digit Addenda



*Don't Transmit 2-digit Addenda



Transmit 5-digit Addenda



*Don't Transmit 5-digit Addenda

6. EAN-13



*On



Off



*Transmit Check Digit



Don't Transmit Check Digit



Transmit 2-digit Addenda



* Don't Transmit 2-digit Addenda



Transmit 5-digit Addenda



* Don't Transmit 5-digit Addenda



Addenda Required



*Addenda Not Required

7. Code 128



*On



Off

8. GS1-128 (Former UCC/EAN-128)



*On



Off

9. Interleaved 2 of 5



On



*Off

10. Matrix 2 of 5



On



*Off

11. Industrial 2 of 5



On



*Off

12. Standard 2 of 5



On



*Off

13. Code 39



*On



Off



Transmit Start & Stop Characters



* Don't Transmit Start & Stop Characters

14. Full ASCII Code 39



On



*Off

15. Code 32



On



*Off

16. Code 93



On



*Off

17. Code 11



On



*Off

18. Codabar



On



*Off

19. MSI



On



*Off

20. GS1-Databar



On



*Off

21. GS1 composite code



On



*Off

22. QR Code



*On



Off



*Regular Only



Both Regular and Inverse

23. Data Matrix



*On



Off



*Regular Only



Inverse Only



Both Regular and Inverse

24. PDF 417



*On



Off

25. Aztec code



On



*Off

Appendix 1: Programming Chart



0



1



2



3



4



5



6



7



8



9

Appendix 2: Code ID

ID	Symbology
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	CODE11
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 25
r	PDF417
u	Data Matrix (DM)
q	QR
a	Aztec Code
x	Maxi Code
c	Han Xin

Appendix 3: Character Chart

Value	Hex	Function Key	Ctrl + X
1000	00h	Null	CTRL 2
1001	01h	Keypad Enter	CTRL A
1002	02h	Caps lock	CTRL B
1003	03h	Right Arrow	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	10h	&	
1039	11h	'	
1040	12h	(	
1041	13h	)	

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	h
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