

Tera

Model No.: D6100

Wireless 2D Barcode Scanner
with Charging Cradle

User Manual



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

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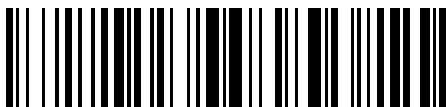
Chapter 1 Factory Default Settings



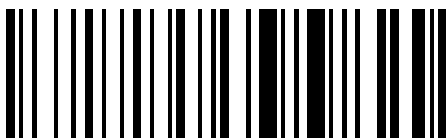
Factory Default



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

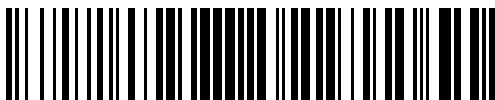
1. Wireless Pairing



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.

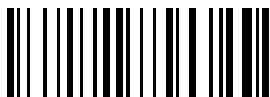


Sensor-activated Mode

2. Keyboard Country Layout



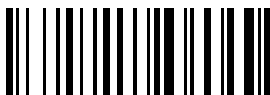
United States



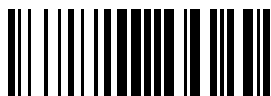
Germany



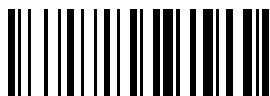
France



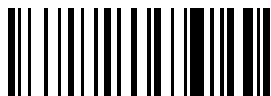
Italy



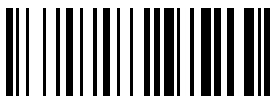
Portugal (Portuguese)



Spain (Spanish)



Finland



Czech



Japan



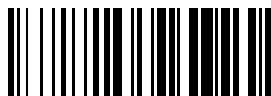
Spain (Mexico)



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

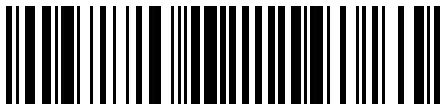


Output suffixes

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 Symbologies

1. 1D/2D Barcode Symbologies



All 1D Symbologies On



All 1D Symbologies Off



All 2D Symbologies On



All 2D Symbologies 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 | | |
| 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 |

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