

Specifications

Type	Transmission Distance	Memory
2.4G Wireless + Wired	100 meters	50000 barcodes
Working Current:5V±5%×140mA		Standby Current:30mA
Battery Capacity:2000 mAh		Charging power:5V-400mA
Working Time:3 to 10 days		Standby Time:60 days
Scanner Parameters:		
Aiming:624nm LED		Light:6500K LED
Sensor:640x480 CMOS		Indicators: Buzzer, LED light
Trigger Mode:Button, Continuous, Auto Sensing		
(250Lux)	13mm-EAN13 4mm-code39 20mm-QR 10mm-PDF417	50-250mm 60-100mm 40-300mm 40-280mm
		Reading accuracy:4mm CPU: ARM32-bit Cortex Print Contrast:≥25% Decoding Speed:500/sec
Scanning Angle: Angle of rotation:±360°, inclination:±65°, declination:±60°		
Anti-interference:100000lux Max Do not use under strong sunlight		
Supported Bar Code Symbolologies:		
1D:UPC-A, UPC-E, EAN-8, EAN-13, Code 128, Code 39, Code 93, Code 11, Interleaved 2 of 5, Matrix 2 of 5, Standard 2 of 5, Code bar, MSI Plessey, RSS, etc.		
2D:QR Code, Data Matrix, PDF417, Aztec code, Maxicode, etc.		
Operating Temperature:-20 °C to 50 °C	Storage Temperature:-40 °C to 70 °C	
Drop Test:6.56 feet (2 meters)	Interface:USB	
Certificates:CE, FCC, RoHS, IP54		

01

General Settings

If scanner fails to operate due to faulty settings or other reasons, scan this bar code to restore factory settings.



Factory Reset

■ 2.4 GHz Dongle Pairing Steps (The wireless dongle is matched with scanner by factory defaults. Only need to be matched when the connection is lost.)

1. Press the button. Buzzer sounds "dee" once and light turns green then off. This indicates the scanner is operating normally.
2. Plug in the dongle and scan "Match" within 30 seconds. Green light starts flashing and is in waiting mode. Unplug the dongle and plug it in again.
3. When buzzer sounds "dee" twice and light turns blue, pairing is successful.
4. Open a text document and start scanning.



Match

Wireless Pairing Setting (2.4G Mode)



2.4G Mode







Match



Scan the above two setting codes in turn. And after scanning the "Match" setting code, the green light on the back of the scanner will flash continuously. Re-plug the receiver, the pairing is complete when the green light is off, and the blue light is always on.

02

Terminator Settings

 Add Carriage Return	 Add Carriage Return + Linefeed
 Add Tab	 No Terminators

Working Mode

 Instant Upload Mode	 Storage Mode
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■ Two modes: Instant Upload and Storage

► Instant Upload mode: Upload scanned data immediately.
 Upload successful: Green light flashes once and buzzer sounds “dee” once.

► Storage mode: Store scanned data in scanner. When within signal range of dongle, scan “Upload Data” barcode to send stored data to computer.

PS: If uploading is unsuccessful, please make sure “Storage Mode” is selected.

03

 Show Stored Barcodes	 Upload Barcodes
 Fast Upload Speed (Default)	 Slow Upload Speed
 Clear Memory	

1. Storage successful: Green light flashes once and buzzer sounds “dee en”.
2. Storage failed: Red light flashes once and buzzer sounds “deeee en”. This indicates that storage is full. Clear storage by scanning “Clear Memory”.
3. Upload complete: Buzzer sounds “dee doo en”

Interface Setup



USB HID Setup Code



USB Virtual COM Setup Code (driver needed)
 Please contact the seller (info@tera-digital.com)
 for the driver if you need to set up USB Virtual COM.

04

Battery Level



Battery Level









Sleep Settings(time before scanner enters sleep mode)	
 30s	 2min
 5min	 30min
 Always On	 Sleep Immediately

▶ Battery level indicator: If scanner does not show any response when button is pressed, charge scanner for at least 30 minutes. If scanner still does not respond after charging, battery needs replacing.










▶ Charging LED:

1. Charging status: Red light means normal.
2. Charging complete: Blue light is on constantly and red light is off.

Buzzer Volume	
 Sound Off	 Low Volume
 Medium Volume	 High Volume (Default)
Upper / Lower Case	
 All Upper Case	 All Lower Case
 No Change	
ID Barcode Forward and Backward Scanning	
 On	 Off

QR code normal(black barcode white background) and reverse (white barcode black background) barcode read capability	
	
Only read normal barcode	Read both normal and reverse barcode
Data Matrix normal(black barcode white background) and reverse (white barcode black background) barcode read capability	
	
Only read normal barcode	Read both normal and reverse barcode
PDF417 normal(black barcode white background) and reverse (white barcode black background) barcode read capability	
	
Only read normal barcode	Read both normal and reverse barcode
Vibration Setting	
	
Vibration ON	Vibration OFF

07

Duplicate Code Settings	
Primarily for Continuous mode and Automatic Sensing mode	
	
Delay 1s	Delay 3s
	
Delay 5s	Delay 7s
	
No Delay	Unlimited Delay
Scanning Mode	
	
Manual Mode (Default)	
	
Continuous Mode	Sensor Activated Mode

08

Illumination and Aiming

Illumination: Auxiliary Light provides extra lighting during scanning. It improves the readability of barcodes in dimly lit environments.

It can be adjusted to accommodate different lighting conditions:

On when scanning (default): Auxiliary light turns on when scanning and turns off after use.

Always on: Auxiliary light stays on when scanner is on.

Always off: Auxiliary light is off at all times.



On when scanning



Always on

Aiming: Aiming light helps improve the accuracy in capturing the barcode for scanning. It can be adjusted as follows.

On when scanning (default): Aiming light turns on during scanning.

Always on: Aiming light stays on when scanner is on.

Always off: Off at all times.



On when scanning



Always on

09

Barcode Formats

Original Format



*GBK



Unicode



Keyboard Language Settings

*English



Japanese



US



German



French



Spanish
















Italian



















10

Symbology Activate / De-activate

 UPC-A(ON)	 UPC-A(OFF)
 UPC-A Check Digit(ON)	 UPC-A Check Digit (OFF)
 UPC-E(ON)	 UPC-E(OFF)
 UPC-E Check Digit(ON)	 UPC-E Check Digit (OFF)
 UPC-E to UPC-A(ON)	 UPC-E to UPC-A(OFF)
 UPC-E No Preamble Code	 UPC-E System Code (output by default)
 UPC-E System Code & Country Code Output	

11

 UPC-A to EAN-13(ON)	 UPC-A to EAN-13(OFF)
 EAN-8(ON)	 EAN-8(OFF)
 EAN-13(ON)	 EAN-13(OFF)
 CODE 128(ON)	 CODE 128(OFF)
 GS1-128(ON)	 GS1-128(OFF)
 ISBT-128(ON)	 ISBT-128(OFF)
 Interleaved 2 of5 (ON)	 Interleaved 2 of5(OFF)
 Matrix 2 of 5(ON)	 Matrix 2 of 5(OFF)

12

	CODE 39(ON)		CODE 39(OFF)
	Code39 Check Digit (ON)		Code39 Check Digit (OFF)
	Code 39Full ASCII(ON)		Code39Full ASCII(OFF)
	CODE 32(ON)		CODE 32(OFF)
	CODE 93(ON)		CODE 93(OFF)
	CODE 11(ON)		CODE 11(OFF)
	CODABAR(ON)		CODABAR(OFF)
	PLESSEY(ON)		PLESSEY(OFF)

13

	Industrial 2 of 5(ON)		Industrial 2 of 5(OFF)
	MSI(ON)		MSI(OFF)
	ITF14(ON)		ITF14(OFF)
	QR CODE(ON)		QR CODE(OFF)
	Data Matrix(ON)		Data Matrix(OFF)
	Only Read Normal Data MatrixBarcodes		Read Both Normal and Reverse Barcodes
	PDF417(ON)		PDF417(OFF)
	Aztec code(ON)		Aztec code(OFF)

14

	Maxi code(ON)		Maxi code(OFF)
	GSI-Databar(ON)		GSI-Databar(OFF)
	Brazil Bank Code(ON)		Brazil Bank Code(OFF)
	Codabar Starter and Terminator OFF		Codabar Starter and Terminator ON

Hide Prefix and suffix

A. Scan the "Hide Prefix" or "Hide Suffix" setting code.



Hide Prefix



Hide Suffix

B. Choose the number of digits you want to hide:



Hide 1 digit



Hide 2 digits



Hide 3 digits



Hide 4 digits



Hide 5 digits



Hide 6 digits



Hide 7 digits



Hide 8 digits

15



Hide 9 digits



Hide 10 digits



Hide 11 digits



Hide 12 digits



Hide 13 digits



Hide 14 digits



Hide 15 digits



Hide 16 digits

C. If you want to cancel the "hide prefix or suffix", please scan the "Hide Prefix" or "Hide Suffix" setting code again:



Hide Prefix



Hide Suffix

Add Prefix and Suffix Setting

Prefix and Suffix Setting Mode:

The prefix and suffix setting mode can be divided into two parts:
Control characters form and displayable characters form.

Displayable characters are ASCII characters with key values of more than 31 which can mostly be output by HID keyboard and don't need to be transferred.

Control characters are ASCII characters with key values of less than 32 which cannot mostly be output by HID keyboard and need to be transferred to output.

1. When the key value of the ASCII characters of prefix and suffix setting content are more than 31, the setting procedures are:

A. Scan the "prefix adding allowed" or "Suffix adding allowed" setting barcode:



prefix adding allowed



suffix adding allowed

B. Find the character needed in appendix B "Displayable Characters form" and scan it to enable adding.

16

2. When the key value of the ASCII characters of prefix and suffix setting content are less than 32, the setting procedures are:
A. Scan the corresponding characters set setting code:



Character set 0 setting code



Character set 1 setting code



Character set 2 setting code



Character set 3 setting code

- B. Scan the "prefix adding allowed" or "Suffix adding allowed" barcode:



Prefix adding allowed



Suffix adding allowed

- C. Find the character needed in appendix A "Control Characters form" and scan it to enable adding.

- 3.If you want to cancel the prefix and suffix added, scan the "prefix adding allowed" or "Suffix adding allowed" barcode again:



Prefix adding allowed



Suffix adding allowed

Add time prefix and suffix setting

- A. Scan the "time prefix" setting barcode, and add the present scan time before the output result



Time Prefix

17

- B. Scan the "time suffix" setting barcode, and add the present scan time after the output result



Time Suffix

- C. Scan the "cancel time prefix and suffix" setting barcode.
The present scan time before/after the output result will be canceled.



Cancel time prefix and suffix

Note: If the output time is not synchronized, please contact the seller (info@lera-digital.com) for the driver if you need to update the time.

FAQ:

Q: Why are some bar codes not recognized?

A: Scanner does not be recognized by the computer or symbology not activated on the scanner. Just feel free to contact the seller if any issues can't be solved.

Q: Why can't I upload bar codes to computer after pairing?

A:

1. Verify pairing is successful.
2. Verify scanner is not in Storage Mode.
3. Try switching to Upload Mode.
4. Dongle and scanner are communicating properly.

Q: Why is scanned bar code different from printed bar code?

A: Make sure that your PC's keyboard language is consistent with that of the scanner's.






















Q: Why is the scanner battery never fully charged?























A: 1. Make sure you are using the supplied charging device.

























2. Verify the charging unit or battery is in proper working condition

























18

























Appendix 1:Character comparison table











 SOH	 LF	 F6
 aB	 VT	 F7
 aC	 FF	 F8
 EOT	 CR	 F9
 ENQ	 F1	 F10
 ACK	 F2	 F11
 BEL	 F3	 F12

 Back Space	 F4	 SUB
 Tab	 F5	 Esc
 Right Arrow	 %	 .
 Left Arrow	 &	 /
 Up Arrow	 '	 0
 Down Arrow	 ( 1
 Space	)	 2
 	 *	 3

 "	 +	 4
 #	 '	 5
 \$	 -	 6
 7	 @	 1
 8	 A	 0
 9	 B	 K
 :	 C	 L
 ;	 D	 M

 <	 E	 N
 =	 F	 O
 >	 G	 P
 ?	 H	 Q
 R	 I	 d
 S	 V	 e
 T	 J	 f
 U	 A	 B

 V	 _	 h
 W	 '	 i
 X	 a	 j
 Y	 b	 k
 Z	 c	 l
 m	 s	 y
 n	 t	 z
 o	 u	 {

 p	 v	 _
 q	 w	 }
 r	 x	 ~
 DEL		