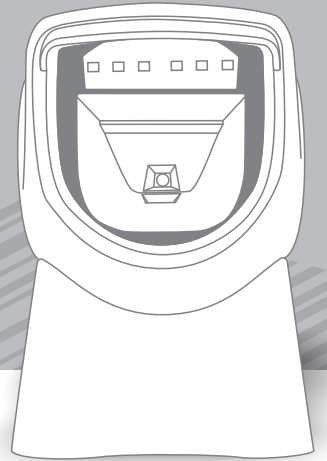


Desktop Image Barcode Scanner
User Manual



7 1 2 1 2 4 0 0 0 3

V1601

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Notice:

We have desktop 1D & 2D image barcode scanners. This user manual is suitable for both 1D & 2D version. If the setting bar code is marked with ▲, that means it is only used for 2D version. The rest setting bar codes without ▲ are commonly used.

Technical Parameters

Physical Parameters

Material	ABS+PC
Size	L*W*H:153mm*109mm*97mm
Power Supply	DC 5V/420mA
Weight	310±5g (without cable)

Performance Parameters

Support Interface	USB, USB virtual serial port
Sensor	Planar CMOS sensor
Light Source	White LED (lighting)
Processor	32-bit ARM MCU
Decoding Capability	1D : Codabar, Code39, Code32, InterLeaved 2 of 5(24bit), Industrial 2 of 5(Industrial25), Matrix 2 of 5, Code93, Code128, Gs1-128, UPC-A, UPC-E, EAN/JAN-8, EAN/JAN-13, GS1 DATABAR(RSS14), GS1 DATABAR Limited, Gs1databar Expanded 2D: QR, MicroQR, PDF417, Data Matrix, AZTEC.
Resolution	1D 4MIL, 2D QR8 3MIL, PCS45%
Depth of Field	4MIL CODE39: 0--4 CM 13MIL UPC-A: 0--16 CM 15MIL QR : 0--14 CM 1D code from Alipay 0--24 CM 2D code from Alipay 0--47 CM Available for Stationery small barcode & wide barcode
Scanning Speed	300 scans / sec
Scanning Method	Auto-sensing
Scanning Area	5 * 5 cm ² -- 20 * 20 cm ²
Prompting Mode	Buzzer, indicator light(LED)
Printing Contrast	No lower than 35%
Scanning Angle	Roll 0-360°, pitch ±65°, yaw ±60°

Environment Parameters

IP Grade	IP 54
Operating Temperature	0 to 50 °C / 32 to 122 °F
Storage Temperature	0 to 50 °C / 32 to 122 °F
Operating Humidity	5 - 95% (non-condensing)
ESD Protection	15kv air discharge
Shock Resistance	1m free fall on concrete surface

Warning Prompt Sound

When the data transmission is abnormal, the scanner will have four continuous warning prompt sounds. If this situation should occur, please check whether the cable connection is correct.

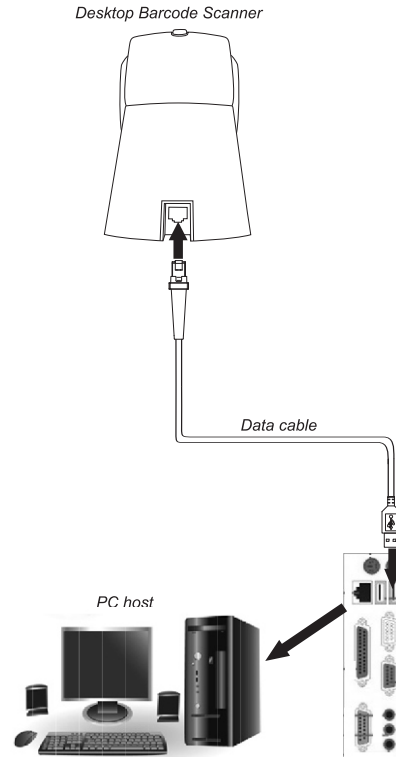
Connecting the Barcode Scanner

Connect the barcode scanner to the incidental special connector, and then insert the USB port to the PC.

If the bar code configuration is off, please refer to 'Configuration Code ON/OFF' on page 2 and scan 'ON'.

Connecting Method

- 1.Connect RJ45 of the data cable to the scanner.
- 2.Connect the USB port of the power cable to the power adapter and the DC port to the data cable.
- 3.Connect the USB port of the data cable to the PC host.
- 4.Connect the power adapter to the civilian 100-240V AC.



Reading Skills

If the bar code is in small size, please make it closer to the scanner window. If the bar code is in big size, please make it farther to make a good read. If the bar code is with high reflectivity (e.g. coating film), it should be at a right angle of slope, then can read successfully.

Caution

This barcode scanner has a bright light when it is working. To avoid discomfort and harm, please do not stare at it or aim at the eyes.

Interface Mode

This barcode scanner supports USB keyboard mode and USB convert to RS232 mode.

Scan the below bar code to set up the scanner as USB keyboard mode. This is the default mode.



USB keyboard (default)

Scan the below bar code to set up the scanner as USB convert to RS232 mode. (Need to install driver. Please contact our sales team.)



USB convert to RS232

Configuration Code On/Off

When this function is on, all setup bar codes can be scanned to configure the scanner.

When this function is off, all setup bar codes can't be scanned to configure the scanner. Re-scan 'ON' then the scanner can read the setup bar codes and start settings.



ON (default)



OFF

Default Configuration

Scan the below bar code to reset configuration to defaults.



Reset factory defaults

User Configuration

Scan the below code can save the current parameters as user configuration



Save user configuration

Scan the below bar code can reset the saved user configuration



Reset user configuration

Scanning Mode

Normal Mode

This mode is suitable for most of the scanning environment.



Normal code (default)

Screen Reading Mode

When this mode is on, the scanner will read the bar codes on mobile phone screen or computer screen. Please note that this mode will probably lower the scanning speed of reading bar codes on paper.



Screen reading mode

Auto Sleeping

When the scanner has no bar code to be read, according to the settings the scanner can auto enter into sleeping mode in order to save power. When the scanner is in the sleeping condition, it won't read bar codes until pressing the button on the top of the cover.

The scanner is set to non-sleep as default.



Non-sleep (default)



1 minute



2 minutes



5 minutes



10 minutes



20 minutes



30 minutes

Suffix



Cancel CR/LF suffix



Add CR suffix



Add LF suffix



Add CR+LF suffix (default)



High (default)

Turn on Prompt Sound-On/Off



Off



On (default)

Good Read Prompt Sound-On/Off



Off



On (default)

Good Read Prompt Sound-Tone



Low



Medium



High

Buzzer Setting

Volume Control



Low

Good Read Prompt Sound-Duration



Long (default)



Short



Interval Time 750ms (default)

Error Warning Sound-Tone

When it fails to upload data, there will be four beeping sound. When it can't identify the setup bar code, there will be one beeping sound.



Low (default)



Interval Time 1s



Medium



Interval Time 2s



High

Choose Bar Code Type



All barcode type Off

LED Indicator light



Good Read LED Indicator Light Off

Codabar



Codabar On



Good Read LED Indicator Light On (default)



Codabar Off (default)

Repetitive Bar Codes Test

This function is to configure the interval time of decoding the same bar codes. If it is within the limit time, all the same bar codes will be only decoded one time.



Interval Time 300ms

Codabar Start/Stop CHARS



Not transmit Codabar start/stop CHARS (default)



Interval Time 500ms



Transmit Codabar start/stop CHARS

Code 39



Code 39/On (default)



Code 39 /Off

Code 39 Check Digit



Code 39 Verify Off (default)



Code 39 Verify On,
not transmit check digit



Code 39 Verify On,
transmit check digit

Code 32 (Need Code 39 on)



Code 32 On (default)



Code 32 Off

Interleaved 2 of 5 (14 digits)



Interleaved 2 of 5/on (default)



Interleaved 2 of 5/off

Interleaved 2 of 5 Check Digit



ITF 2 of 5 Verify off (default)



ITF 2 of 5 Verify on,
not transmit check digit



ITF 2 of 5 Verify on,
transmit check digit

Industrial 2 of 5



Interleaved 2 of 5/on (default)



Interleaved 2 of 5/off

Matrix 2 of 5



Matrix 2 of 5/on (default)



Matrix 2 of 5/off

Code 93



Code 93 on



Code 93 off (default)

Code 128



Code 128 on (default)



Code 128 off

GS1-128



GS1-128 on (default)



GS1-128 off

UPC-A



UPC-A on (default)



UPC-A off

UPC-A Check Digit



Transmit UPC-A check digit (default)



Not transmit UPC-A check digit

UPC-E



UPC-E on (default)



UPC-E off

UPC-E Check Digit



Transmit UPC-E check digit (default)



Not transmit UPC-E check digit

EAN/JAN-8



EAN/JAN-8 on (default)



EAN/JAN-8 off

EAN/JAN-13



EAN/JAN-13 on (default)



EAN/JAN-13 /off

UPC/EAN/JAN Supplement



No UPC/EAN/JAN Supplement (default)



Decode UPC/EAN/JAN Supplement



UPC/EAN/JAN self-adaption

EAN13 Convert into ISBN



Convert EAN13 into ISBN enable



Convert EAN13 into ISBN disable (default)

EAN13 Convert into ISSN



Convert EAN13 into ISSN enable



Convert EAN13 into ISSN disable (default)

GS1 DataBar(RSS14)



GS1DataBar on (default)



GS1DataBar off

GS1 DataBar Limited



GS1 DataBar Limited on



GS1 DataBar Limited off (default)

GS1 DataBar Expanded



GS1DataBar Expanded on



GS1DataBar Expanded off (default)

▲PDF417



PDF417/On



PDF417/Off(default)

▲QR Code



QR/On



QR/Off(default)

▲Micro QR



Micro QR/On



Micro QR/Off(default)

▲Data Matrix



Data Matrix/On



Data Matrix/Off(default)

▲Aztec Code



Aztec/On



Aztec/Off(default)

Warranty Card

1. Customers can enjoy the legal rights using the purchase invoice and the warranty card without doing any warranty procedures.
2. All the warranty items are subject to the guarantee clause and user notice that published by our company.
3. We will not guarantee the product if it is in one of the following situation, but we can offer maintenance service with charges.
 - (1) Man-made damage or improper operation;
 - (2) Damage caused by maintenance of non-professionals;
 - (3) Have no warranty card, the model is inconsistent with actual or the warranty card is obliterated;
 - (4) Irresistible damage (natural disasters like thunder, earthquake, fire, etc.)
4. Please fill in the warranty card. Do not obliterate the card. Otherwise, we will make charges maintenance.
5. Please keep this card well. We will not offer another warranty card.

Barcode Scanner Warranty Proof

User Name		Telephone	
Address			
Purchasing Date	D/	M/	Y
Model			
Serial NO.		Agency	
Maintenance Record			
Date	Product Failure	Maintenance Condition	Repairman