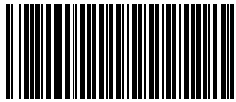


# Wired CCD Image Barcode Scanner User Manual



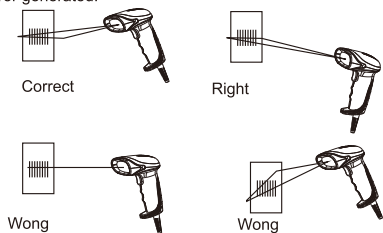
7 1 2 1 2 6 0 0 0 1

V: 1805

Dear user, thank you for choosing our products. we will provide you the best user experience, for your best using, please read the manual before you use it.

## How to use barcode reader appropriately

- 1 scanner and bar code to maintain an oblique angle in order to achieve the best reading effect;
- 2 scans the barcode scanning line must be aligned and all over bar code decoding, barcode have to be perfectly includes when scan, otherwise there may be error generated.



## Item list

### What's in the box

Barcode reader, USB line, manual, certificate, warranty card

### Optional accessories

Holder (part of the product can be equipped), COM connection line

## Description

The barcode equipment provides accurate, easy, fast data entry and the complete solution to the computer information system.

This product also provides a complete interface to adapt to various types of mainframe computer systems.

USB RS-232

All functions are not listed in this manual, please contact with the supplier to obtain more detailed information

All rights including final interpretation of the instructions in this manual are retained by this company

## Technical Parameter

### Physical parameter

Material	ABS+TPE+PC
Size	Length * width * thickness: 165*95*70 (unit / mm)
Colour	White, black
Power mode	DC 5V ±5%
Weight	115g (excluding wire)

### Performance parameter

Support interface	USB, RS232
Sensor	Linear CCD sensor
Light source	632nm red diode (LED)
Processor	32-bit ARM Cortex-M3 MCU
Barcode support	Codabar, Code 11, Code 93, MSI, Code128, UCC/EAN-128, Code 39, EAN-8, EAN-13, UPC-A, Industrial 25, Standard 25, 2/5 Matrix, etc
Resolution	4mil (0.1mm), PCS45%
Depth of field	500mm@20mil/0.5mm □ PCS90%
Scanning speed	200scans/s
Scanning mode	Manual button, automatic continuous scanning
Scanning width	5cm—30cm
Prompt way	Buzzer, indicator light (LED)
Print contrast	30%
Decoding angle	Angle 35 degrees, 65 degrees, 65 degrees elevation angle

### Environmental parameter

Operating environment	0 to 50 °C / 32 to 122 °F
Storage environment	-20 to 70 °C / -4 to 158 °F
Operating humidity	20 - 85% (no condensation)
Storage humidity	20 - 85% (no condensation)
Protection level	≥ IP54
Antistatic ability	15KV Air discharge
Seismic capacity	1.5m air fall free drop

## Function setting

### Custom settings



Display version No  
(custom)



Restore factory settings

### Interface



Default Interface



PS2 Keyboard Wedge



Serial



USB Keyboard Wedge



USB Serial

### Scanning settings



Default scan mode



Automatic continuous scan

### Image identification



Front image identification



Inverse image identification

### Buzzer



Turn on voice



Turn off voice

Add barcode ID (barcode identification code)



Close bar code ID



Open barcode before ID



ID after opening barcode

## language settings



America, China  
(American English ) Default



Canada (French)



Netherlands (Dutch)



Spain (Spanish)



Argentina  
(Latin language)



Brazil (Portuguese)



Denmark (Danish)



United Kingdom (English)



Italy (Italian 142)



France (French)



Germany (German)



Norway  
(Northern Sami)



Sweden, Finland  
(Swedish, Finnish)



Slovakia (Slovak)



Portugal (Portuguese)



Czech Republic (Czech)



Belgium (Dutch)



Turkish-F



Turkish-Q



Poland (Polish 214)



Switzerland  
(German, French)



Croatia (Croatian)



Hungary (Hungarian)



Japan (Japanese)



Russia (Russian)



Egypt (Arabic)

### Serialport parameter settings (baud)



Serialport baud  
1200bps



Serialport baud  
2400bps



Serialport baud  
4800bps



Serialport baud  
9600bps



Serialport baud  
19200bps



Serialport baud  
38400bps



Serialport baud  
57600bps



Serialport baud  
115200bps

### Serial protocol



No serial effect



Serial port XON/OFF protocol



Serialport RTS/CTS protocol



Serial port ACK/NA protocol



Serialport handshake timeout 2S



Serial port handshake timeout 5S

### Data bit



Serialport 7 number's data bit



Serialport 8 number's data bit

### Stop-bit



Serialport 1 stop-bit



Serialport 2 stop-bit

### Check bit



Serialport  
no parity bit



Serialport odd check



Serialport even check



Serialport mark verification



Serialport space verification

## Code 39



Code 39/on



Code 39/off



Code 39 ID setting to M



Open Code 39  
Full ASCLL



Close Code 39  
Full ASCLL



Close code 39  
MOD43check



Open code39  
MOD43check



Open code39  
Send verification



Close code39 transfer head



Open code39 transfer head



Open code39 repeatedly verification



Close code39  
repeatedly verification



Close code39 transfer  
code32(DF)



Open code39 transfer  
code32



Code39 TAB mode

## UPC-A



Open UPC-A



Close UPC-A



UPCA ID setting to e



Open UPCA  
transfer EAN13



Close UPCA  
transfer EAN13



Send UPCA check code



Do not send UPCA check code



UPCA not hidden  
the system character



UPCA hidden  
the system character

## UPC-E



Open UPC-E



Close UPC-E



UPCE ID setting to f



Open UPCE transfer UPCA



Close UPCE transfer UPCA

## EAN13



Open EAN13



Close EAN13



EAN13 ID setting to d



Send EAN13 check code



Do not send EAN13 check code



Open EAN13 transfer ISBN



Close EAN13 transfer ISBN



Close EAN13 transfer ISSN



Open EAN13 transfer ISSN



Open EAN13 repeatedly verification



Close EAN13 repeatedly verification

## EAN8



Open EAN8



Close EAN8



EAN8 ID setting to c

## Additional code



Open 5 digit additional code



Open 2 digit additional code



Open 2 digit and 5 digit additional code



Close additional code

## code93



Open code93



Close code93



Setting code93 code ID to i



Open code93 Multiple verification



Close code93 Multiple verification



Open 93 code MOD47



Close 93 code MOD47

## code128



Open code128



Close code128



Setting code128 code ID to a



Close code128 code Multiple verification



Open code128 code Multiple verification

## codabar



Open codabar



Close codabar



Setting codabar code Id to v



Open codabar Start the stop sign



Close codabar Start the stop sign



Open codabar Multiple verification



Close codabar Multiple verification

## Code 25



Open Interleaved 2 of 5



Setting Interleaved 2 of 5  
ID to n



Open Interleaved 2 of 5  
Multiple verification



Close Industrial 2 of 5



Open Industrial 2 of 5  
Multiple verification



Open Matrix 2 of 5



Close Matrix 2 of 5



Matrix 2 of 5  
ID setting to q



Open postal code 25



Close postal code 25



Setting postal 25 ID to r



Open air 25 code



Close air 25 code



Setting air 25 code ID to p

## Code11



Open code11



Code11 ID setting to u



Open code11  
repeatedly verification



Code11 C verification



Close code11



Code11 CK  
repeatedly verification



Code11 CK  
automatic verification



Code11 Ck verification

## MSI



Open MSI code



Close MSI code



Setting MSI ID to s



Close MSI  
multiple verification



Open MSI  
multiple verification

## Plessey



Open Plessey code



Close Plessey code



Setting Plessey ID to t



Close Plessey multiple verification



Open Plessey Multiple verification

## GS1



Open GS1  
Omnidirectional



Close GS1  
Omnidirectional



Gs1 Omni ID setting to j



Open GS1 Limited



Close GS1 Limited setting



Gs1 Limited ID is k

## USB upload



Open USB quick uploading



Close USB quick upload

## Hide Characters



Hide the first N CHAR



Hide the front  
CHARS-disable



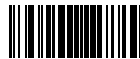
Hide the last N CHAR



Hide the behind  
CHARS-disable



Hide from  
the N CHAR setting



Hide the number  
from N CHAR setting



Hide the middle  
characters-disable

## Add Characters



Setting to add prefix



Setting to add suffix



Exit to add prefix and suffix mode



Clear out all prefix letters



Clear out all suffix letters

## Front and rear settings



Added the carriage return  
behind all the barcode



Added double carriage return  
behind all the barcode



Adding ETX after  
all barcode line feed



Adding STX guide before barcode







































Cancel format behind all the barcode











































































Cancel all the barcode front guide

Tab character

 SOH	 STX	 ETX
 EOT	 ENQ	 ACK
 BEL	 Backspace	 TAB
 Line feed	 VT	 FF
 Carriage return	 SO	 SI
 DLE	 DC1	 DC2
 DC3	 DC4	 NAK
 SYN	 ETB	 CAN
 EM	 SUB	 ESC
 FS	 GS	 RS
 US	 SPACE	 !
 "	 #	 \$

 %	 &	 .
 (	 )	 *
 +	 ,	 -
 .	 /	 0
 1	 2	 3
 4	 5	 6
 7	 8	 9
 :	 ;	 <
 =	 >	 ?
 @	 A	 B
 C	 D	 E
 F	 G	 H

 I	 J	 K
 L	 M	 N
 O	 P	 Q
 R	 S	 T
 U	 V	 W
 X	 Y	 Z
 [	 \	 ]
 ^	 -	 '
 a	 b	 c
 d	 e	 f
 g	 h	 i
 j	 k	 l

 m	 n	 o
 p	 q	 r
 s	 t	 u
 v	 w	 x
 y	 z	 {
 	 }	 ~
 Delete	 F1	 F2
 F3	 F4	 F5
 F6	 F7	 F8
 F9	 F10	 F11
 F12	 INSERT	 HOME
 Page up	 Delete	 END

