

Programming manual

BC-603 Wired 2D barcode scanner

Dear Customers , thank you for choosing Code Soft products. We will serve you with high-quality products, in order to ensure that you better to use this product, please read this manual carefully before use!

Introduction description

The universal handheld 2D Imager barcode scanner adopts the international advanced image transmission technology, with two-way communication instant error correction feedback, to complete a variety of commonly used one-dimensional and two-dimensional Barcode reading. Equipped with auxiliary illumination, it can be used in different lighting environments and can also be used at night, which is highly applicable. 360 ° read barcodes in any direction, fast reading, more efficient in operation, suitable for commercial POS systems, supermarkets, warehousing and logistics, books, banking, transportation, postal, and industrial, manufacturing production process management and other fields.

Not all of the product features are listed in this manual, so please contact your supplier for more details. The rights used in this product, including the right of final interpretation of this programming manual, are reserved by the Company Right (the contents of this Programming manual are modified without notice).

Product features

1. This product adopts CMOS camera module, which can identify 1D and 2D Barcode in paper printed and on screen
2. The reading distance can be as high as 20cm, which can quickly to decode the information in the bar code.
3. No driver required, it is Plug and Play Scanner

Technical parameters

Scan barcode categories	1D,2D barcode
Code reading density	≥5mil
The type of decoding	1D: EAN13, EAN 8, UPC-A, UPC-E0, UPC-E1, Code128, Code39, Code93, Interleaved 2 of 5, Industrial 25, Matrix 2 of 5, Code11, CodeBar, MSI, RSS-14, RSS- Ltd, RSS- Exp, Standard 2 of 5, Plessey, ChinaPost 25, GS1 Composite 2D: QR Code, Data Matrix (DM), PDF417, Han Xin, Micro PDF417, Micro QRCode, MaxiCode, Aztec Code, Code16K
Operating temperature	Celsius -0°C ~ +50°C
Storage temperature	Celsius -40°C ~ +60°C
Operating humidity	5%-95% (non-condensing)
Prompt mode	Buzzer, LED
Scan mode	Manual, auto-scanning
Drop resistance	1.5m drop proof on Concrete floor

1. Turn on/off the configuration code settings



Factory reset



Firmware version



Allows all barcodes
to be read

2. The interface settings



USB-HID



USB-COM



TTL serial port mode



HID+TTL serial port mode

3. HID device data transmission interval



**USB data interval - 1ms



USB data interval - 2ms



USB data interval - 4ms



USB data interval - 8ms



USB data interval - 16ms

4. The reading mode setting



Manual read mode



Auto-scanning mode

5. Commonly used terminator settings



CR



CR+LF



Tab



No terminator

6. Invoicing mode

In order to facilitate the use of this module in the invoicing system, users can configure the invoicing mode by reading the setting code to realize the conversion and output of the invoice code format.



**Invoicing mode enabled



Invoicing mode is prohibited

7. Data output encoding format

The user can set the output format of the reading module through the following setting code, so that the host can Chinese data output according to the specified encoding format.

Note: GbK format is used for Notepad, UNICODE format is used for Word and common chat tool input boxes.



**Data encoding
format UTF-8



The data encoding
format Unicode



Data encoding
format GBK

8. Virtual keyboard settings



** Standard keyboard mode



Virtual keyboard mode

9. Invert the color reading mode



Allows inverse color recognition



Inverted color recognition is
prohibited

10. Language settings



**United States



Belgium



Brazil



Canada



Croatia



Czech Republic



Slovakia



Denmark



Finland



France



Germany



Hungary



Italy



Latin America



Netherlands



Norway



Poland



Portugal



Serbia



Slovenia



Spain



Sweden



Swiss-French



Swiss-German



United Kingdom



Turkey -F



Turkey - Q



Japanese



Romanian

11. Troubleshooting

number	Issue	Possible causes	Solution
1	The interface cable is installed correctly, but the scanner light not ON	The scanner does not have power	Make sure the host is powered on and on, and when using the USB port, connect the USB to the USB port of the computer motherboard, and do not use the extended USB port and other USB extension cables.
		The interface cable is not connected correctly	Check if the cable connection is loose
2	The scanner light is ON, but the barcode cannot be read	This type of barcode code system is not turned on	Turn on the code by reading the setup code
		The barcode is damaged	Try scanning other barcodes with the same barcode type
		The distance between the scanner and the barcode is not appropriate	Move the barcode scanner closer or farther away from the barcode
		The barcode scanner is not high enough to completely cover the barcode	Align the barcode to read the code
3	The scanned data is displayed incorrectly on the host	Incorrect input method	Converts an input method to a standard English input method
		Other settings were made for the scanner	Restore the scanner's parameters to factory settings or contact the manufacturer's after-sales service center
4	The barcode characters are garbled or incorrect	The keyboard country setting for the barcode scanner does not match the country in which the keyboard is used	Set the barcode scanner keyboard country to match the country in which the keyboard is used
5	Other cases cannot be decoded	Device transfer error	Turn off the device power, properly connect the device to the scanner, turn on the device power, restore the scanner parameters to the factory setting state and re-scan the code

12. Simple maintenance method:

1. Stains and dust on the scanning window can sometimes affect the scanner's work. When cleaning, use a good quality facial tissue and gently wipe it. Then blow it clean with a blowing balloon. If you wipe with paper with poor paper for a long time, it will damage the surface finish of the scanning window and affect the reading effect of the scanner.
2. The scanner housing can be wiped with a clean cloth. If needed, add a small amount of dish soap to the water and wipe it with a soft cloth dipped in water.