



## WAVESHARE Bcode Scanner Module User Guide

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### WAVESHARE Bcode Scanner Module



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## Hardware Connection

The factory default setting of the Barcode Scanner Module is: manual scanning, USBPC output. If the user needs to use serial output, you need to scan the setting code first and change it to serial output. This manual is based on testing by connecting to a PC

## USB Debugging Hardware Connection

Use the USB cable to connect the module's USB interface to the PC.



After the connection, an additional keyboard device will appear in the device manager (only in USB mode).



If there is no new keyboard device recognized after connecting to the computer, scan the USB PC output setting code, and then test again. If there is still no device recognized, it is recommended to replace the USB cable.

#### USB PC Keyboard



#### Serial Port debugging Connection

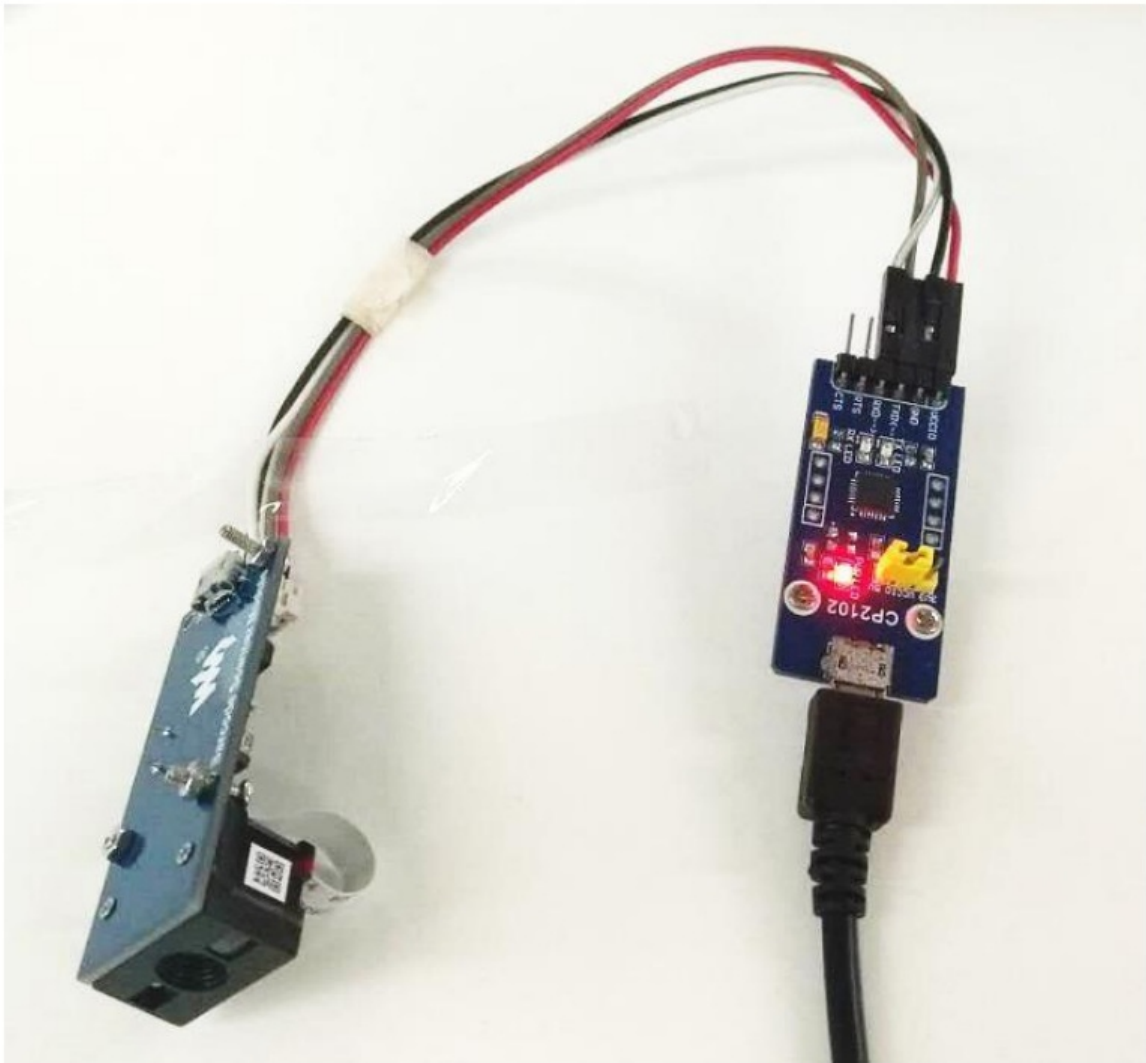
The module supports serial port output, when using serial output, you need to scan the setting code first to change the output mode to serial port output. The default serial parameters are 9600, 8N1, and the baud rate can be modified (please refer to the user manual).

#### Serial port Output

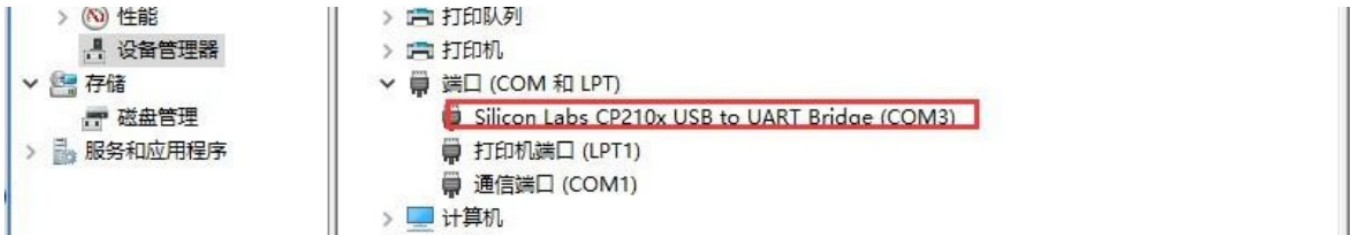


When using the serial port, you need to purchase a TTL to serial port module. (If you already have one, you don't need to buy another one.)

**Note:** Connect Vcc to 5V, GND to GND, Rx to Tx, Tx to Rx. (Please identify the silkscreen to connect.)



Then connect the serial port module to the PC. After connection, a recognized serial port device will appear in the device manager.



### Scanning Test

## USB Output Mode

Open a document (such as word, text document) on the PC, and click on a black space to make the document in input mode (i.e. you can input text directly). Then scan the barcode, and the corresponding decoded content will be input into the document.



Barcode Scanner Module UART Test  
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## Serial Port Output Mode

Open the serial port assistant software. (You can download it from Wave share Wiki), set the serial port number to the one recognized by the device manager. Set the baud rate to 9600 (or the modified parameter if applicable). Then scan the barcode, and the barcode content will be output to the serial port assistant.



## Documents / Resources



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