

USB TO RS485 (B)

CH343G is a USB bus adapter chip, which can convert USB to a high-speed asynchronous serial port, supports automatic identification and dynamic self-adaptation of communication baud rate of 115200bps and below, and provides commonly-used MODEM contact signals to expand asynchronous serial ports for computers. It can upgrade a common serial device or MCU directly to a USB bus.

Parameter

Product Type	USB to 485
Power Supply	5V
Communication Rate	50bps ~ 3Mbps
Operating System	Mac OS, Linux, Windows 11 / 10 / 8.1 / 8 / 7, Android

How to Use

Windows

- **CDC Driver**
-

The default driver of the computer is the CDC driver, which can be viewed through the device manager.

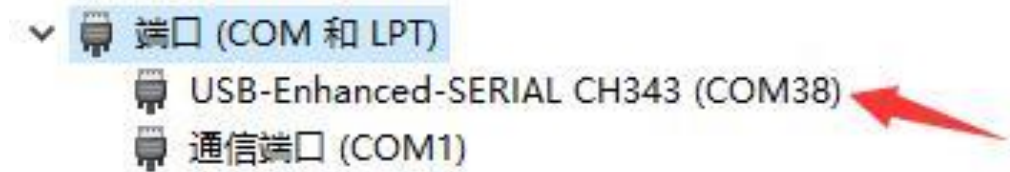


The software flow control is set by default. If you need to use CDC

hardware flow, you need to connect the CFG of the board to EN (power-on self-test).

- **VCP Driver**

The VCP driver is a manufacturer's driver and needs to be installed by itself. After installation, it can be viewed through Device Manager.



The default setting is software flow control. If you need to use VCP hardware flow, you can open it directly through the serial debugging assistant.

Linux/RPI

Taking RPI as an example, you can use the default driver. After connecting the device, you can use the following command to query the serial device name:

```
ls /dev/tty*
```

```
pi@raspberrypi:~ $ ls /dev/tty*
/dev/tty /dev/tty17 /dev/tty26 /dev/tty35 /dev/tty44 /dev/tty53 /dev/tty62
/dev/tty0 /dev/tty18 /dev/tty27 /dev/tty36 /dev/tty45 /dev/tty54 /dev/tty63
/dev/tty1 /dev/tty19 /dev/tty28 /dev/tty37 /dev/tty46 /dev/tty55 /dev/tty7
/dev/tty10 /dev/tty2 /dev/tty29 /dev/tty38 /dev/tty47 /dev/tty56 /dev/tty8
/dev/tty11 /dev/tty20 /dev/tty3 /dev/tty39 /dev/tty48 /dev/tty57 /dev/tty9
/dev/tty12 /dev/tty21 /dev/tty30 /dev/tty4 /dev/tty49 /dev/tty58 /dev/ttyACM0
/dev/tty13 /dev/tty22 /dev/tty31 /dev/tty40 /dev/tty5 /dev/tty59 /dev/ttyAMA0
/dev/tty14 /dev/tty23 /dev/tty32 /dev/tty41 /dev/tty50 /dev/tty6 /dev/ttyprintk
/dev/tty15 /dev/tty24 /dev/tty33 /dev/tty42 /dev/tty51 /dev/tty60 /dev/ttyS0
/dev/tty16 /dev/tty25 /dev/tty34 /dev/tty43 /dev/tty52 /dev/tty61
pi@raspberrypi:~ $
```

For example: use [minicom](#) to open UART0, then the command line input.

```
minicom -D /dev/ttyACM0
```

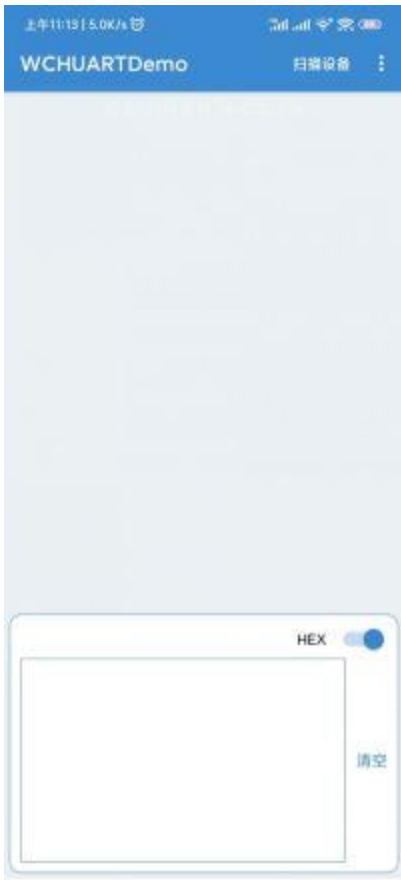
MacOS

- Please download and [install the driver](#) first.
- Click to learn [how to install the driver](#).
- After installation, please open the assistant. (The serial debugging assistant can be downloaded directly by MAC.)

Android

- The [Android software](#), download and decompress it and install it.

1. Open the APP and click Scan Device.
2. Click the scanned device.
3. Set the parameters to use.





Resource

- [CH343 Datasheet](#)
- [SSCOM software](#)
- [CH343 VCP driver for Windows](#)
- [Android APP](#)
- [MAC Driver](#)