

USER MANUAL

BLE 5.0 Adapter



Tutorial link

[Google Drive](#)

[Github](#)

Notice:

BLE 5.0 adapter is an accessory only designed for WitMotion Bluetooth 5.0 sensor's connection with PC, including WT901BLE, WT901BLECL.

Its usage will be based on the sensor's operation. For more details, there will be a Chapter BLE 5.0 Adapter connection shown in the manual of the corresponding model you bought.

If you have technical problems or cannot find the information that you need in the provided documents, please contact our support team. Our engineering team is committed to providing the required support necessary to ensure that you are successful with the operation of our AHRS sensors.

Contact

[Technical Support Contact Info](#)

Contents

Tutorial link.....	- 2 -
Contact.....	- 2 -
Contents.....	- 3 -
1 Description.....	- 4 -
2 Specification.....	- 5 -
2.1 Parameter.....	- 5 -
2.2 Size.....	- 6 -
3 Using Method.....	- 7 -
3.1 Driver Installation.....	- 7 -
3.2 Check Port Number.....	- 9 -

1 Description

BLE 5.0 adapter is an accessory only designed for WITMOTION WT901BLECL BLE 5.0 sensor's connection with PC

- Built-in CP2102 chip
- Anti-dust, cap-design
- USB specification 2.0
- Support the wireless distance up to 30m
- Compatible with 3.3V/5V voltage input
- Small size, high stability, low-consumption, easy to carry
- SUPERIOR COMPATIBILITY: compatible with Windows XP/7/8/10 32bits/64bits, Linux, Wince, Mac, Vista, etc.

2 Specification

2.1 Parameter

Parameter	Specification
➤ Input voltage	3.3V-5V
➤ Current	<500mA
➤ Size	19*13*3mm
➤ Baud rate	115200
➤ Chip	NRF52832
➤ Bluetooth range	30 meters

2.2 Size



3 Using Method

3.1 Driver Installation

For 32 bit system, please install CP210xVCPInstaller_x86.exe

For 64 bit system, please install CP210xVCPInstaller_x64.exe

[Link to CP2102 Driver](#)












Step 1.

Download the driver from below link

[Silicon Usb-to-uart-bridge-vcp-drivers](#)

Step 2.

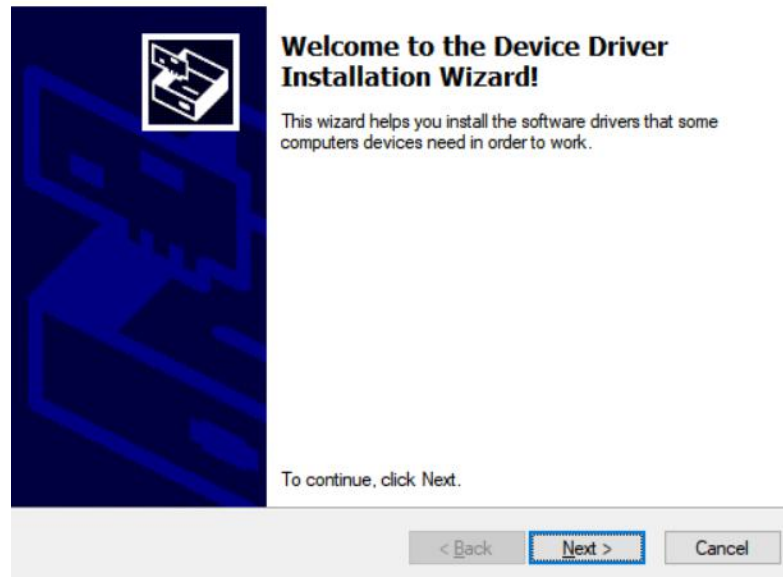
Unzip the file and run the installer depending to your computer type

	arm	7/16/2020 2:22 PM	File folder	
	arm64	7/16/2020 2:22 PM	File folder	
	x64	7/16/2020 2:22 PM	File folder	
	x86	7/16/2020 2:22 PM	File folder	
	CP210x_Universal_Windows_Driver_Relea...	6/24/2019 1:01 PM	Text Document	24 KB
	CP210xVCPInstaller_x64.exe	5/7/2018 5:05 PM	Application	1,026 KB
	CP210xVCPInstaller_x86.exe	5/7/2018 5:05 PM	Application	903 KB
	dpinst.xml	5/7/2018 4:46 PM	XML Document	12 KB
	silabser.cat	6/24/2019 9:21 AM	Security Catalog	13 KB
	silabser.inf	6/24/2019 9:21 AM	Setup Information	11 KB
	SLAB_License_Agreement_VCP_Windows....	6/24/2019 1:37 PM	Text Document	9 KB

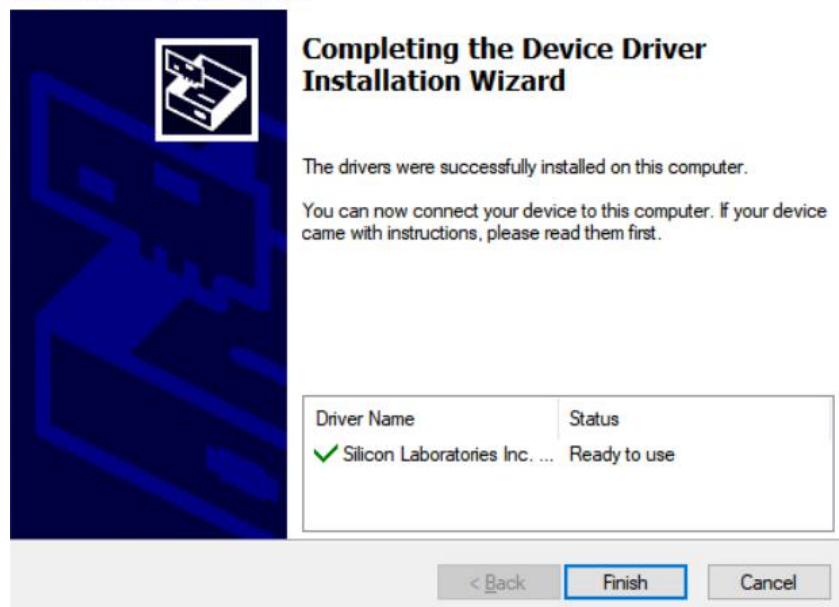
Step 3.

Install the driver by following the steps.

Device Driver Installation Wizard

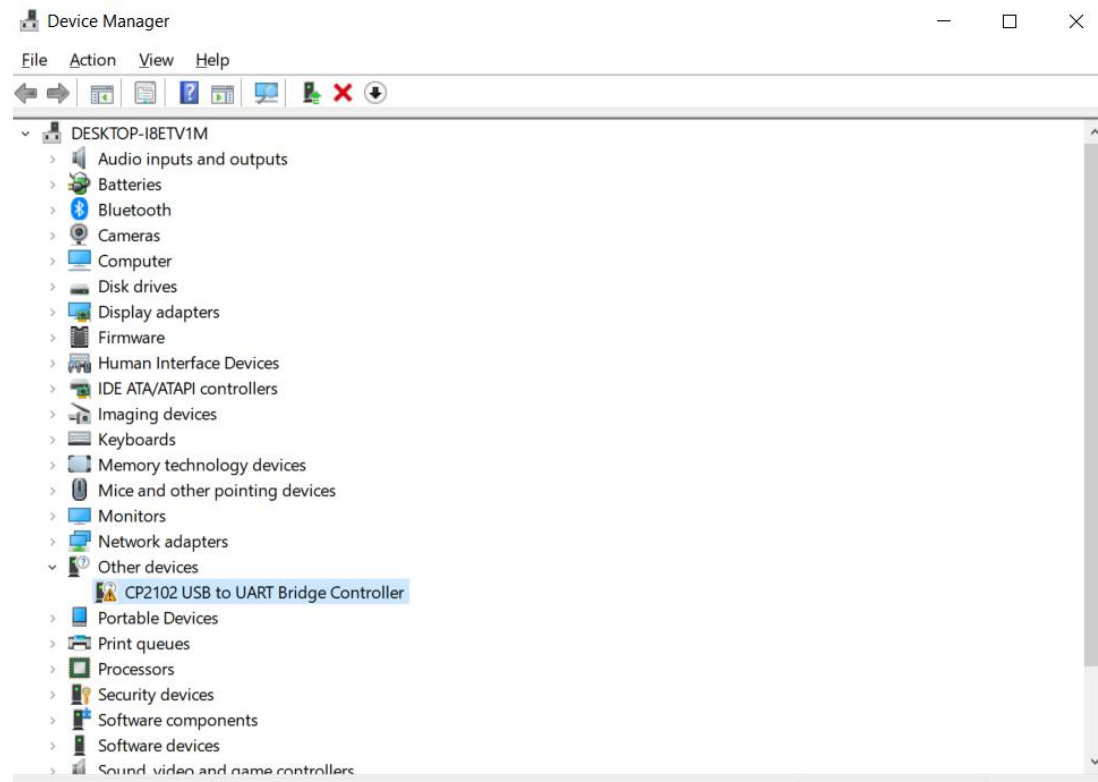


Device Driver Installation Wizard



3.2 Check Port Number

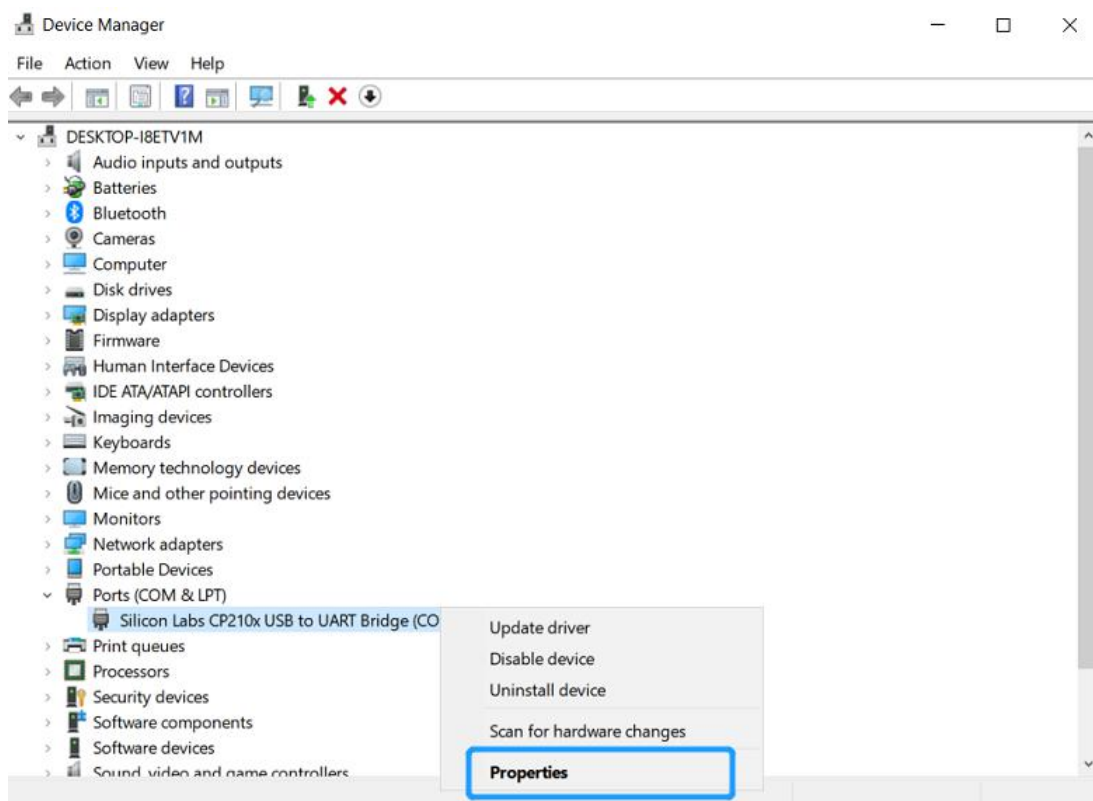
Right click my computer\management\Device manager\Port (COM&LPT) . You can see the generated port number, the port number is COM3.



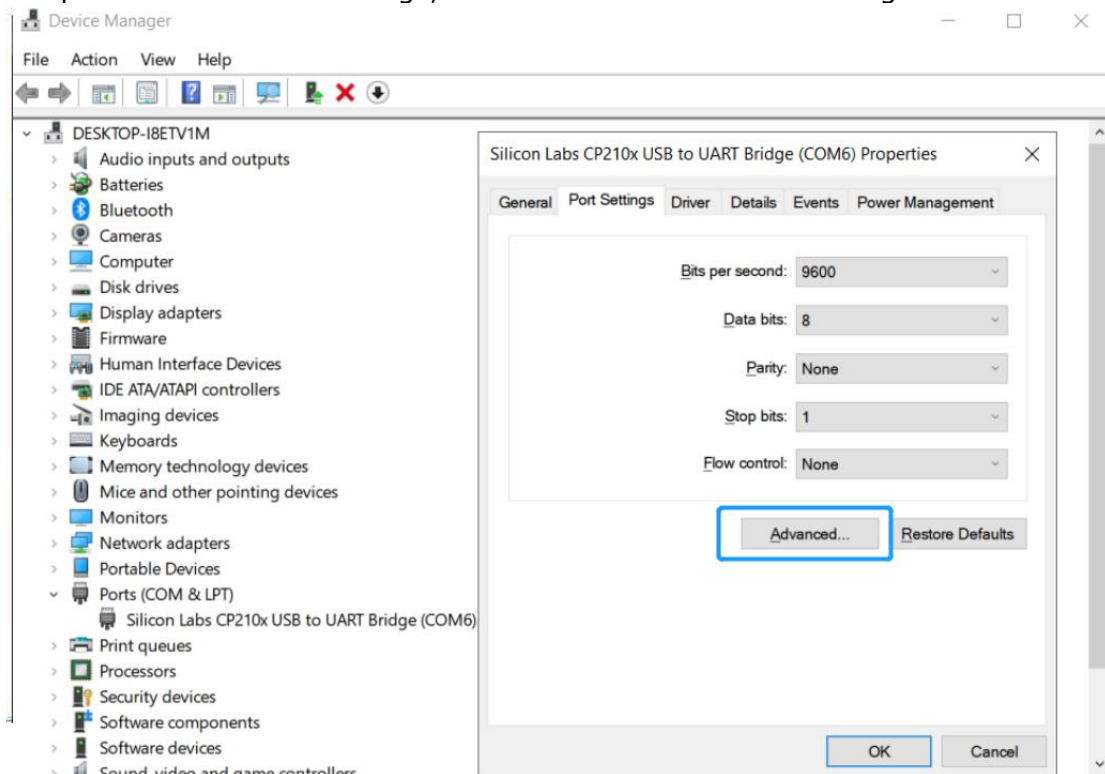
Change port number

Sometimes we insert multiple USB serial module into our computer, and sometimes we want serial numbers to be allocated according to our expectations, so we need to manually adjust the serial number, if the above serial port 3 is changed to serial port 4, the operation steps are as follows:

Step 1: Open device manager, right-click on CP102 USB to UART Bridge Controller and select "Properties".



Step 2: Click on Port Settings, then click on "Advanced Settings".



Step 3: Change the COM port and click OK.

