

# TechnoFix UK

## Driver installation instructions for USB cables SiLabs CP2102 chipset

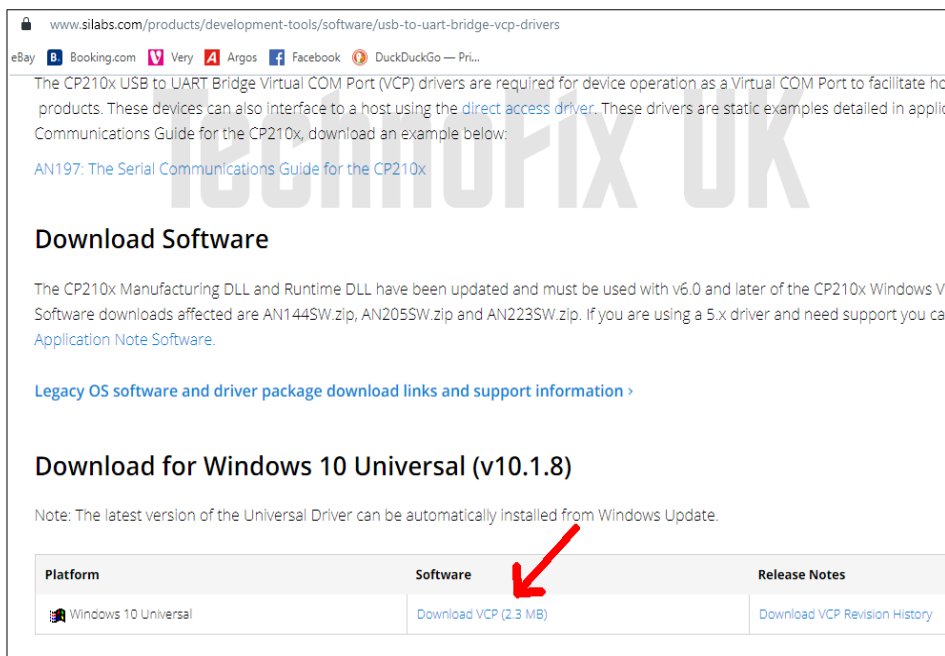
This document contains USB cable driver installation instructions for CP2102 chipset cables only. For other chipsets e.g. FTDI and for instructions for use, please refer to:

<https://technofix.uk/help>

***Please install driver before connecting cable!***

Start by downloading the latest driver from the SiLabs website at:

<https://www.silabs.com/products/development-tools/software/usb-to-uart-bridge-vcp-drivers>



The screenshot shows the SiLabs website page for downloading USB-to-UART Bridge VCP drivers. The page includes a navigation bar with various search engines and social media links. The main content area contains a description of the drivers, a 'Download Software' section with a note about updated DLLs, and a 'Download for Windows 10 Universal (v10.1.8)' section. A table at the bottom lists the software download links, with a red arrow pointing to the 'Download VCP (2.3 MB)' link.

Platform	Software	Release Notes
Windows 10 Universal	<a href="#">Download VCP (2.3 MB)</a>	<a href="#">Download VCP Revision History</a>

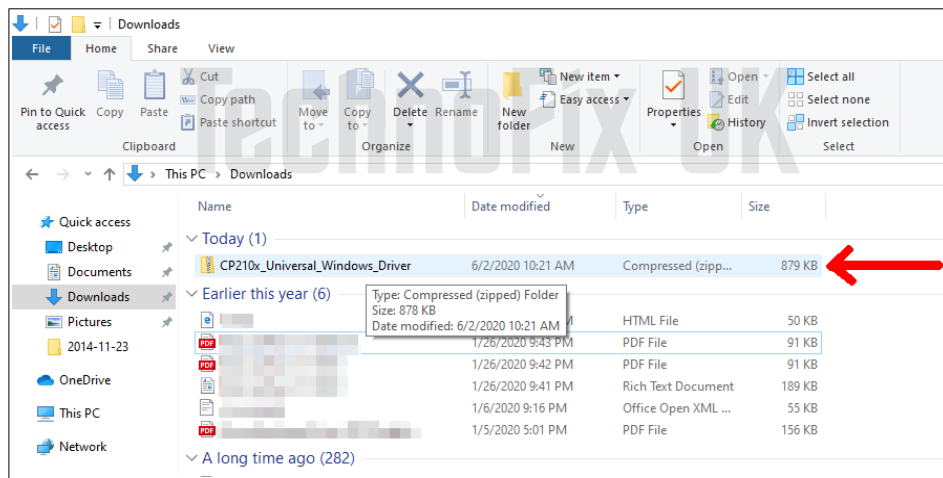
If you are not using Windows 10, download the driver for your operating system from one of the other links on the page. Driver installation is not usually needed for Linux. Please refer to the last page of this document.

## Installing the Windows drivers

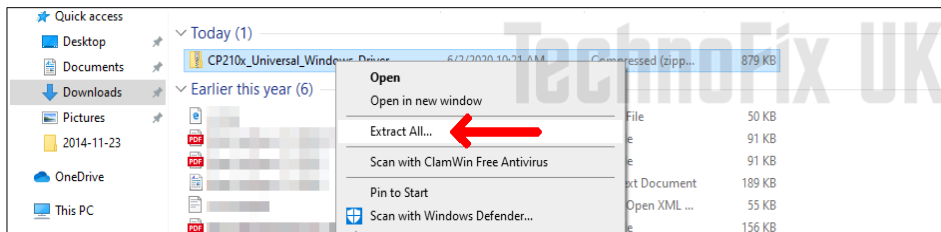
These instructions have been written using Windows 10 as an example. Other versions of Windows may vary slightly, but the basic procedure will be similar.

**Do not plug the cable into your PC until you have installed the drivers!**

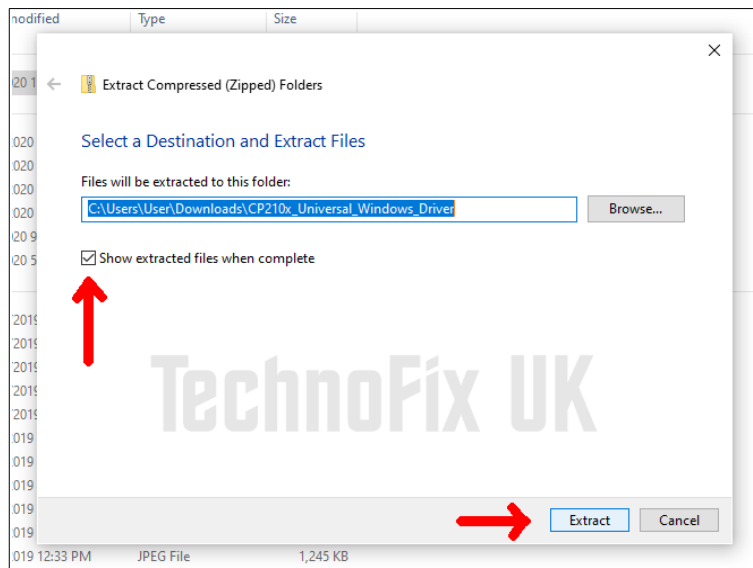
Locate the driver file you downloaded to your PC.  
It will usually be in your *Downloads* folder.



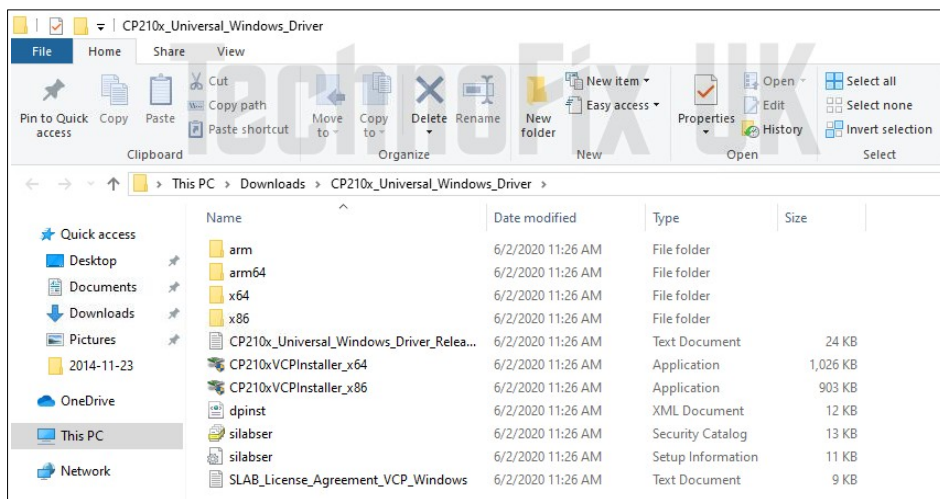
Next, unzip the file. Right-click on it and then click on *Extract All*.



Tick the box marked *Show extracted files when complete* and click *Extract*.



When extraction is complete, a window will open showing the extracted driver files.

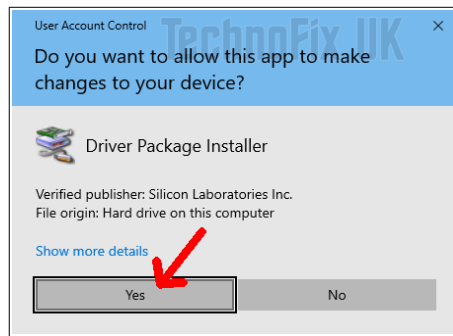


For 64-bit versions of Windows, you need CP210xVCPInstaller\_x64

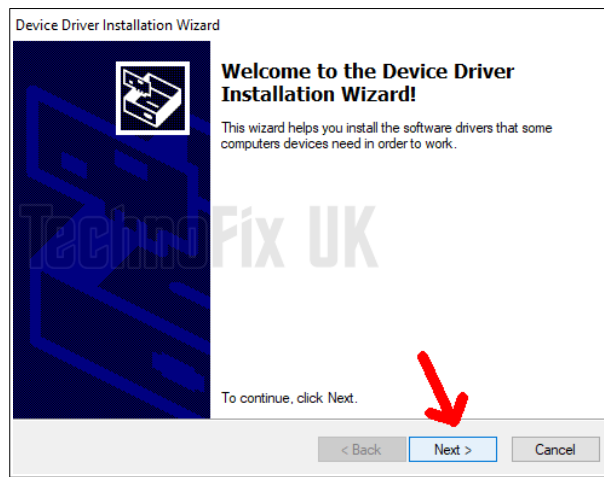
For 32-bit versions of Windows, you need CP210xVCPInstaller\_x86

Double-click the driver file to start installation.

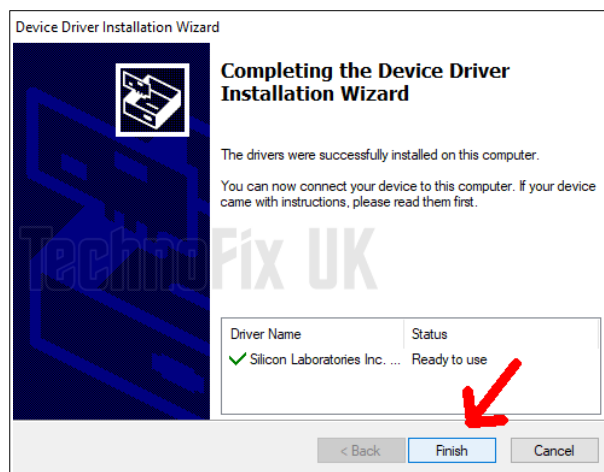
If you see a box like this, click *Yes*.



Now click *Next*.



When installation is complete, click *Finish*.

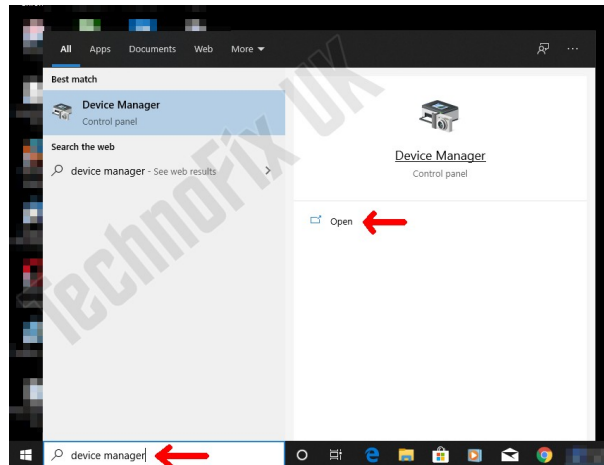


You can now plug the cable into a USB port on your PC.

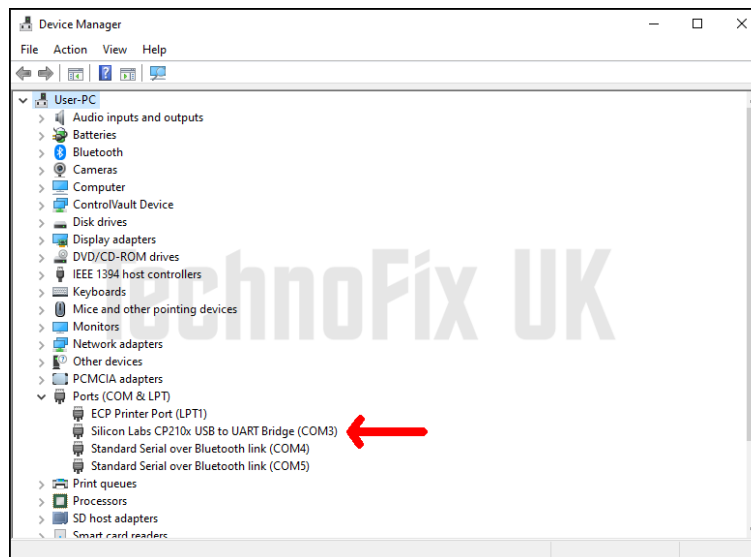
## Locating the COM port

Some software can auto-detect your cable, but if not you may need to find out which COM port Windows has assigned to it. You will need to look in *Device Manager*.

In the search bar to the right of the Windows *Start* button, type *Device Manager*, then click *Open*.



Expand the *Ports (COM & LPT)* section by clicking on the > on its left.



Look for *Silicon Labs CP210x USB to UART Bridge*. In the example above, the cable has been assigned *COM3*. If you plug the cable into a different USB port on your PC, Windows may assign a different COM port number and you will need to look in *Device Manager* again.

## Linux

Most modern Linux systems will already have the CP2102 kernel module available. Simply plug the cable into USB port on your PC. The first USB serial port will normally be assigned /dev/ttyUSB0, the second /dev/ttyUSB1 and so on.

If you are having problems or are not sure which device name has been assigned to your cable, open a terminal and type

```
tail -f /var/log/syslog
```

then plug the cable in. In this example, the cable has been assigned /dev/ttyUSB0.

```
May 24 10:17:24 ian-cute kernel: [ 6407.248086] usb 5-1: reset full speed USB device number 2 using uhci_hcd
May 24 10:17:24 ian-cute kernel: [ 6407.400373] usb 5-1: cp210x converter now attached to ttyUSB0
May 24 10:17:24 ian-cute kernel: [ 6407.400483] usbcore: registered new interface driver cp210x
May 24 10:17:24 ian-cute kernel: [ 6407.400491] cp210x: v0.09:Silicon Labs CP210x RS232 serial adaptor driver
```

## Mac, WinCE and other operating systems

Drivers are included on the CD for Mac and other operating systems. We have no facilities for installing these drivers, so apologise for the lack of instructions. Please visit the chipset manufacturer's website for further guidance. If you use your cable with another OS and would like to tell us about your experience and even contribute some instructions to help other users, we would be very pleased to hear from you.