

CalMAN Setup Guide

FTDI USB to Serial Converter

Rev. 1.1

Introduction

If a USB to serial converter is required to connect a device to a CalMAN computer, we recommend an FTDI brand converter. Extensive testing has determined that these converters, which include a data buffer, are the most reliable converters to use for CalMAN device control.

Purchase Options

Two versions of the FTDI USB-Serial Converter are available for purchase on the following FTDI product page:

<http://www.ftdichip.com/Products/Cables/USBRS232.htm>

FTDI CHIPI-X10 USB-Serial Converter

The basic version of the FTDI USB to serial converter (Figure 1) fully supports CalMAN control of serial hardware devices through a computer USB port.



Figure 1. FTDI CHIPI-X10.

https://shop.clickandbuild.com/cnb/shop/ftdichip?productID=342&op=catalogue-product_info-null&prodCategoryID=293

https://www.google.com/shopping/product/14495824542956067245?q=CHUPI-X10&rlz=1C1ZKTG_enUS728US728&biw=1920&bih=1080&prds=hsec:online&sa=X&ved=0ahUKEwj4tPXUzvfTAhWFh1QKHbzMDLYQ2SsIDA

FTDI US232R-10 Premium USB-Serial Converter

The premium version of the FTDI USB to serial converter (Figure 2) includes blue, side-lit LED TX and RX traffic indicators for functionality testing.



Figure 2. FTDI US232R-10.

<https://shop.clickandbuild.com/cnb/shop/ftdichip?op=catalogue-products-null&prodCategoryID=293&title=RS232+Cables>

Star Tech Version

A version of the FTDI USB-Serial Converter is also available from Star Tech, through Amazon:

[StarTech.com](https://www.startech.com) ICUSB2321F USB-Serial Converter

https://www.amazon.com/dp/B004ZMYTYC/ref=cm_sw_r_cp_api_dtB5yb3WKKPQZ

Drivers

Virtual COM port (VCP) drivers cause the USB device to appear as an additional COM port available to the PC (listed in Windows Device Manager, under Ports (COM & LPT), as “USB Serial Port (COMx)”).

CalMAN software can then access the USB device as it would a standard COM port.

USB Driver download for FTDI converter

<http://www.ftdichip.com/Drivers/VCP.htm>

Or, CalMAN Device Driver Pack

<http://www.spectracal.com/download.php?id=3>

About Portrait Displays

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