



TECHNOLOGY
SOLUTIONS UK LTD

USER GUIDE: **INSTALLING THE DESKTOP USB DRIVER**

INTRODUCTION

TSL® Readers use the standard FTDI device to provide a serial connection to the reader over USB. This presents the reader to the operating system as a standard COM port. The USB connection has priority over the Bluetooth connection so while connected over USB, although the Bluetooth will remain connected, all commands over Bluetooth will be ignored. The command interface is the same over Bluetooth or USB so the same TSL® ASCII protocol is used over either Bluetooth or USB.

To connect a TSL® Reader to a desktop PC via a USB connection, the necessary Virtual COM Port (VCP) drivers must be installed. If these drivers do not automatically install through Windows Update, this document details how to manually install the USB drivers.

MANUALLY INSTALLING THE VCP DRIVER

1. The required VCP Driver package can be downloaded from Future Technology Devices International Ltd
2. Visit <http://www.ftdichip.com>
3. Browse to Drivers, VCP Drivers
4. Download the relevant driver files (or setup executable) for your operating system (see **FIGURE 1**).
5. Run the executable and follow the on-screen instructions to unpack and install the driver package

Currently Supported VCP Drivers:

Operating System	Release Date	Processor Architecture							Comments
		x86 (32-bit)	x64 (64-bit)	PPC	ARM	MIPSII	MIPSIV	SH4	
Windows*	2016-03-16	2.12.16	2.12.16	-	-	-	-	-	WHQL Certified. Includes VCP and D2XX. Available as setup executable . Please read the Release Notes and Installation Guides.
Linux	2009-05-14	1.5.0	1.5.0	-	-	-	-	-	All FTDI devices now supported in Ubuntu 11.10, kernel 3.0.0-19 Refer to TN-101 if you need a custom VCP VID/PID in Linux
Mac OS X 10.3 to 10.8	2012-08-10	2.2.18	2.2.18	2.2.18	-	-	-	-	Refer to TN-105 if you need a custom VCP VID/PID in MAC OS
Mac OS X 10.9 and above	2015-04-15	-	2.3	-	-	-	-	-	This driver is signed by Apple
Windows CE 4.2-5.2**	2012-01-06	1.1.0.20	-	-	1.1.0.20	1.1.0.10	1.1.0.10	1.1.0.10	
Windows CE 6.0/7.0	2012-01-06	1.1.0.20 CE 6.0 CAT CE 7.0 CAT	-	-	1.1.0.20 CE 6.0 CAT CE 7.0 CAT	1.1.0.10	1.1.0.10	1.1.0.10	For use of the CAT files supplied for ARM and x86 builds refer to AN_319
Windows CE 2013	2015-03-06	1.0.0			1.0.0				VCP Driver Support for WinCE2013

FIGURE 1: Location of Windows setup executable (circled in red) at www.ftdichip.com/Drivers/VCP.htm

ABOUT TSL®

ABOUT

TSL® designs and manufactures both standard and custom embedded, snap on and standalone peripherals for handheld computer terminals. Embedded technologies include:

- RFID - Low Frequency, High Frequency & UHF
- *Bluetooth*® wireless technology
- Contact Smartcard
- Fingerprint Biometrics
- 1D and 2D Barcode Scanning
- Magnetic Card Readers
- OCR-B and ePassport

Utilizing class leading Industrial design, TSL® develops products from concept through to high volume manufacture for Blue Chip companies around the world. Using the above technologies TSL® develops innovative products in a timely and cost effective manner for a broad range of handheld devices.

CONTACT

Address:	Technology Solutions (UK) Limited, Suite A, Loughborough Technology Centre, Epinal Way, Loughborough, Leicestershire, LE11 3GE. United Kingdom.
Telephone:	+44 1509 238248
Fax:	+44 1509 214144
Email:	enquiries@tsl.com
Website:	www.tsl.com



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