



TECHNOLOGY
SOLUTIONS UK LTD
part of **HID**

USER GUIDE: DOWNLOADING FIRMWARE TO A TSL[®] ASCII PROTOCOL READER

OVERVIEW

The document describes the process of updating firmware to a TSL ASCII Protocol Reader.

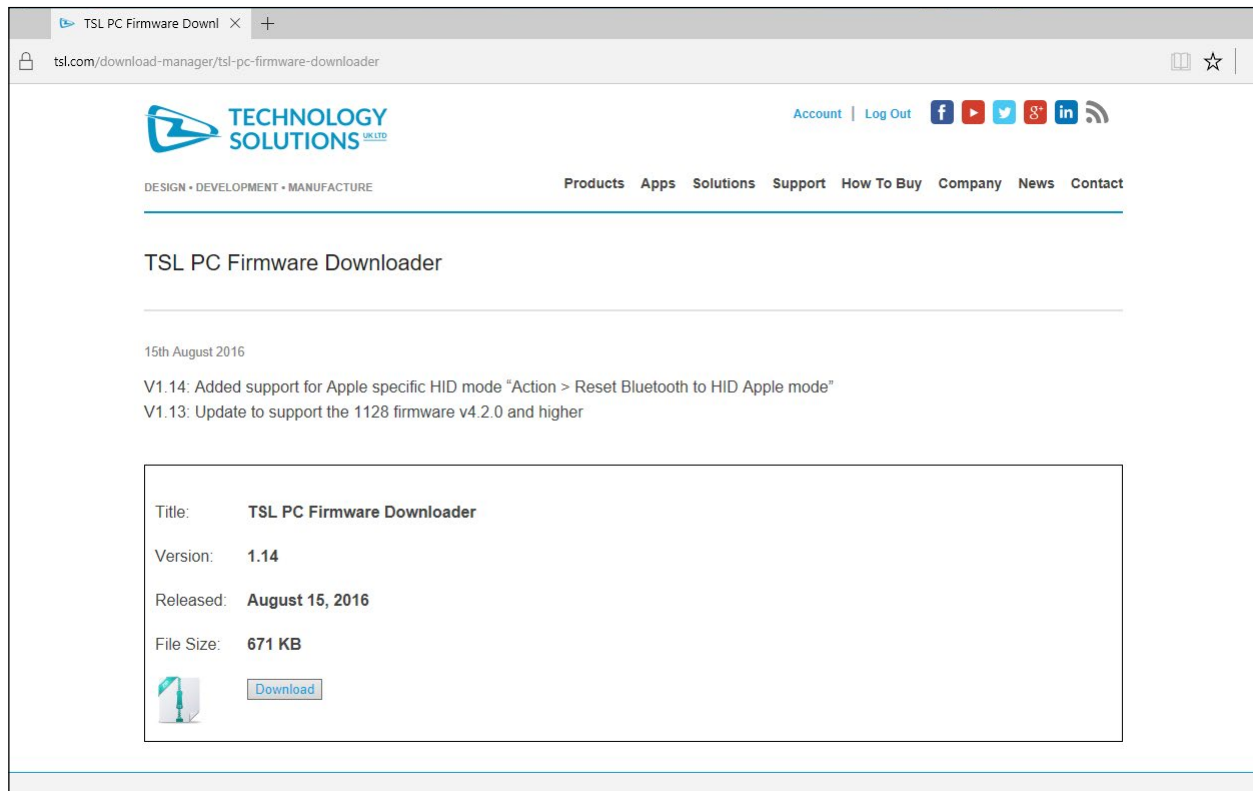
PREPARATION

Download the TSL PC Firmware loader application and latest firmware from the TSL Website (please see the links below). You will need to complete a free, one time registration to access the downloads. Some files are ZIP files. These will need to be decompressed before use.

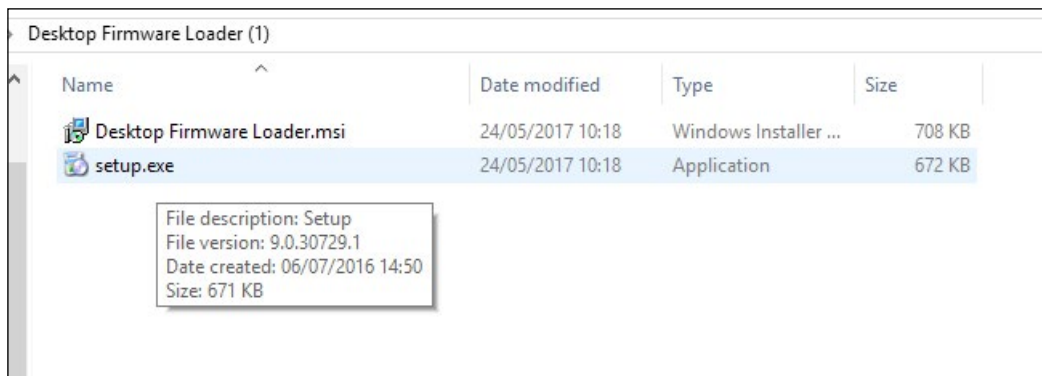
- [TSL PC Firmware Downloader](#)
- [1128 Download Page](#)
 - [1128_FW_V4.3.0.PFF](#)
- [1153 Download Page](#)
 - [1153_FW_V220.PFF](#)
- [1166 Download Page](#)
 - [1166_FW_1.2.0.PFF](#)

Please also ensure that the battery of the reader has sufficient charge by using the supplied charger and USB cable to charge the battery so you see a periodic orange flashing light to indicate charging. In an ideal case fully charge the battery before performing a download.

STEP BY STEP

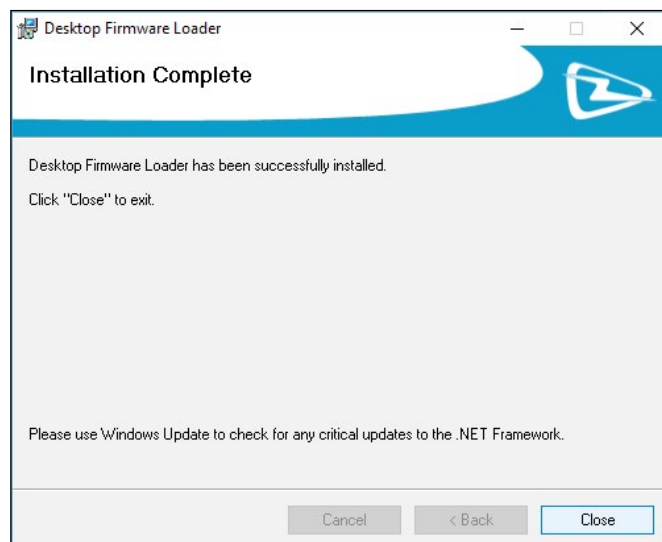
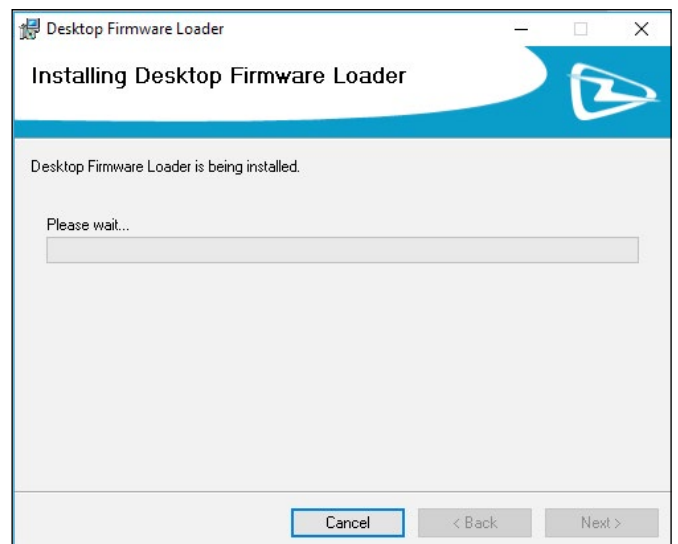
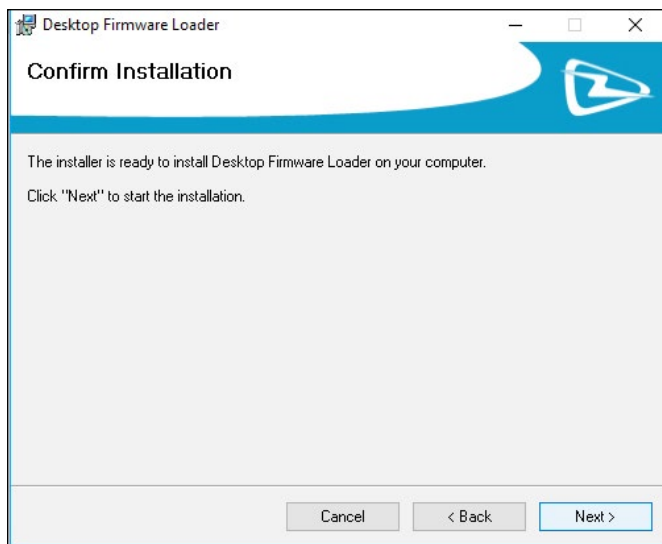
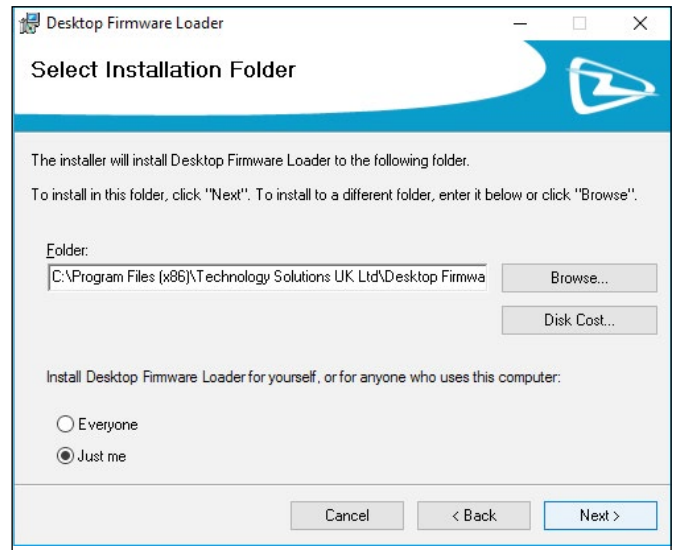
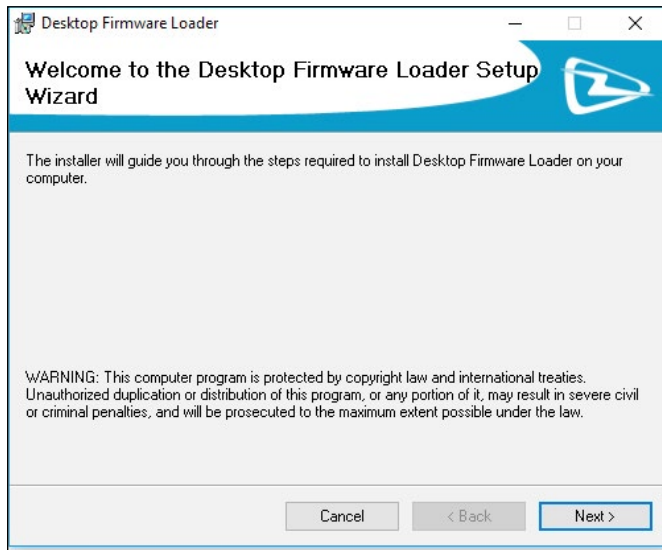


Download the TSL PC Firmware from the TSL website



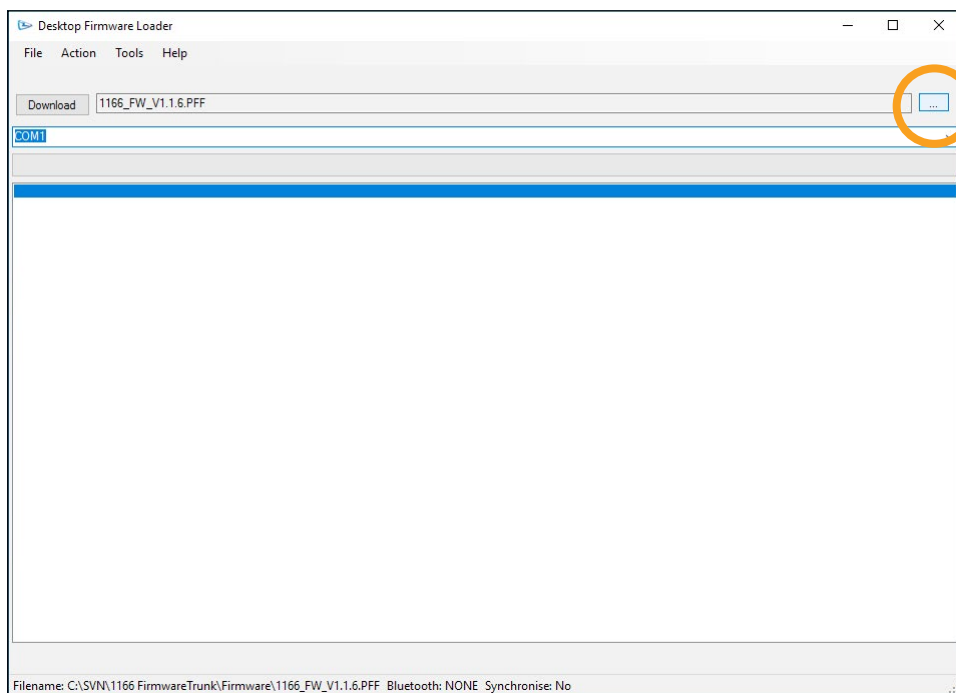
Unzip the download and run setup.exe to install the program (please uninstall any previous versions first)

Run through the setup wizard accepting the User Account Control (UAC) prompt when shown

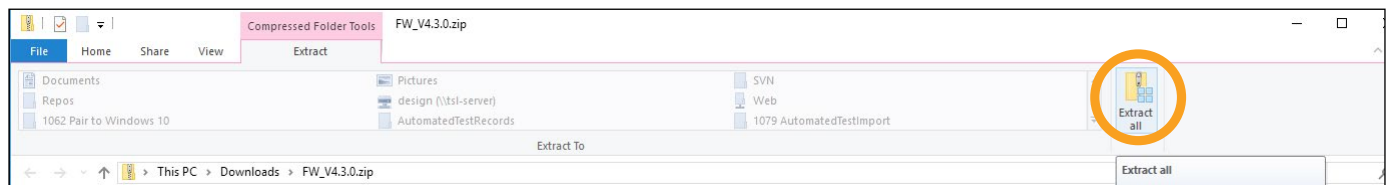




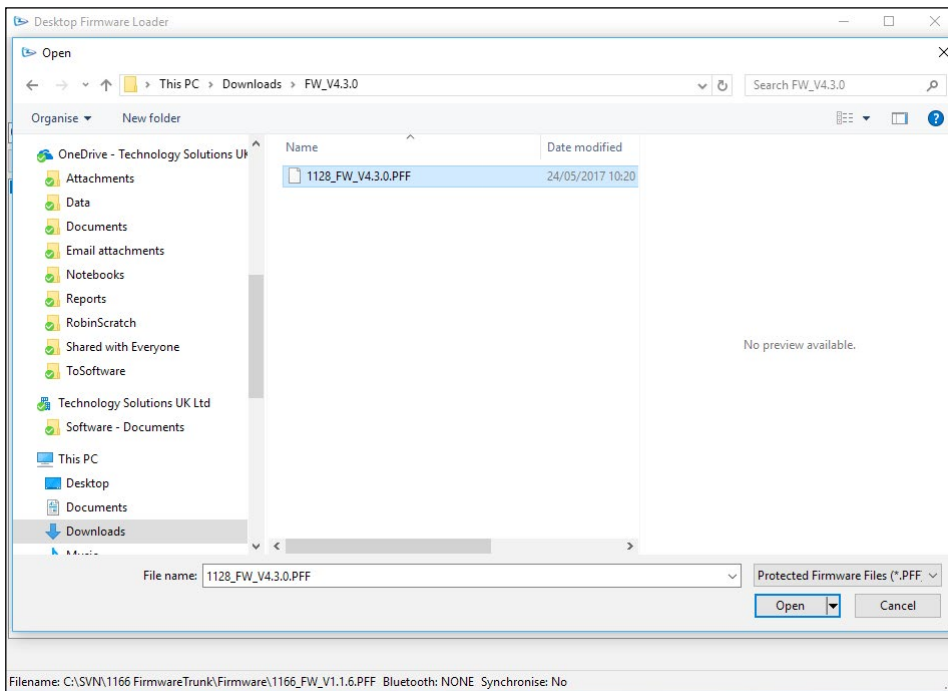
Launch the application



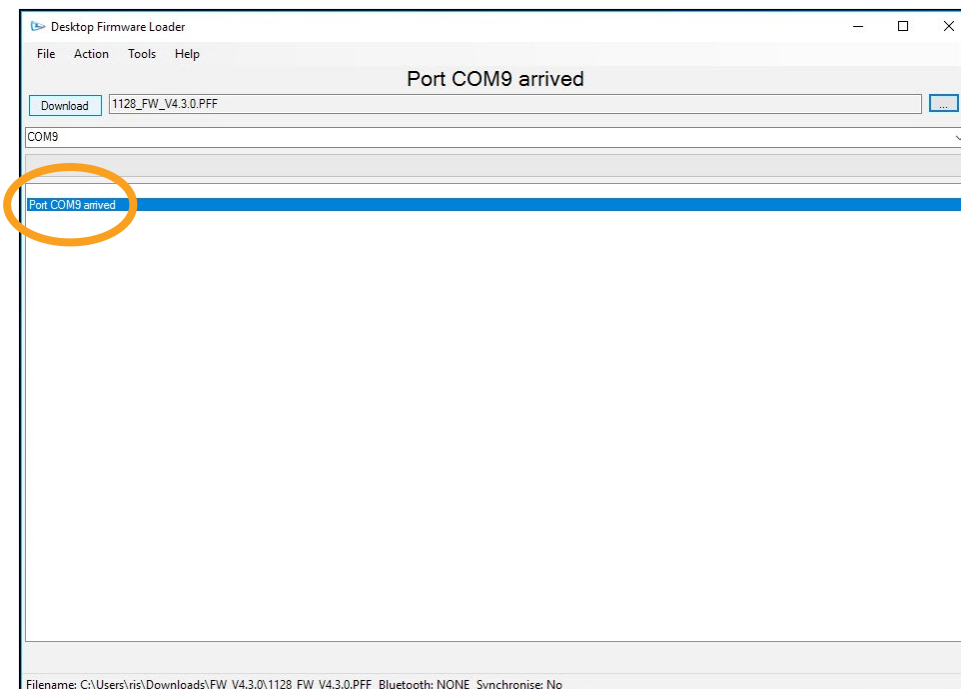
Select "... " to choose the firmware file to download



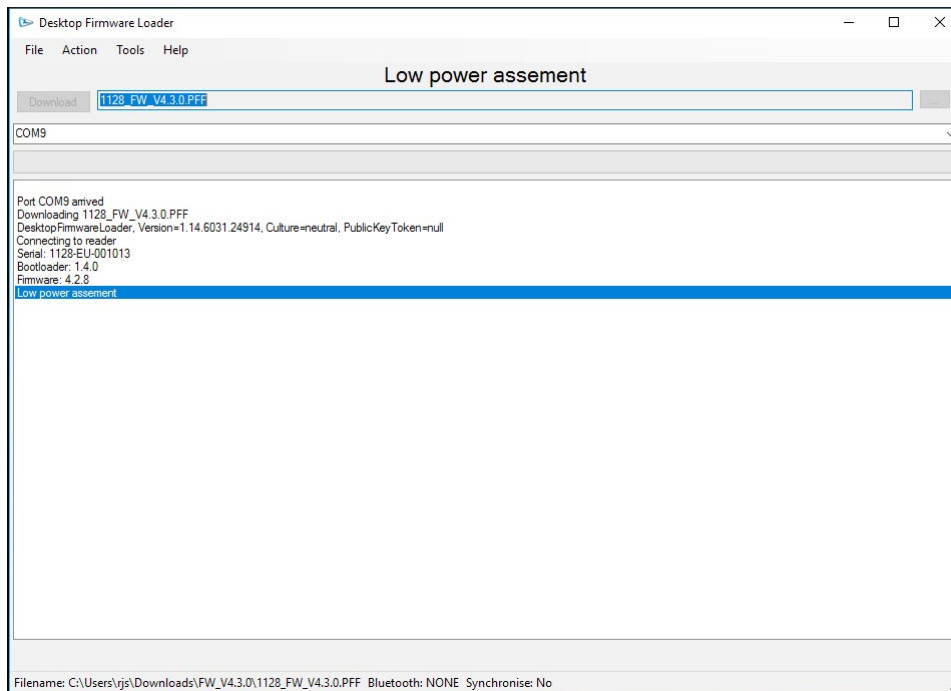
Download and extract the latest firmware for your reader



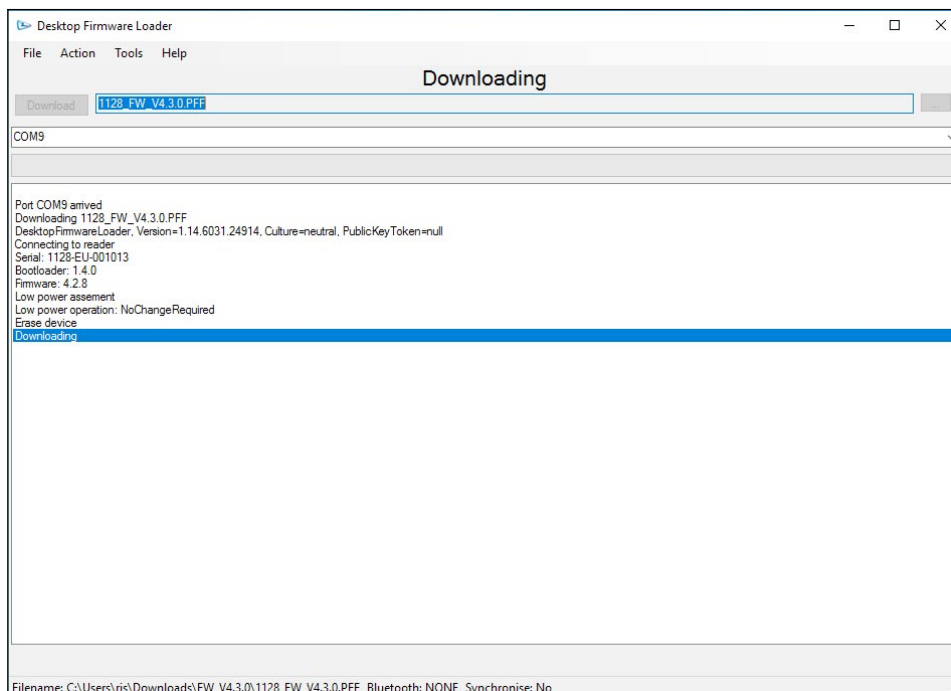
Select the firmware to download to the reader

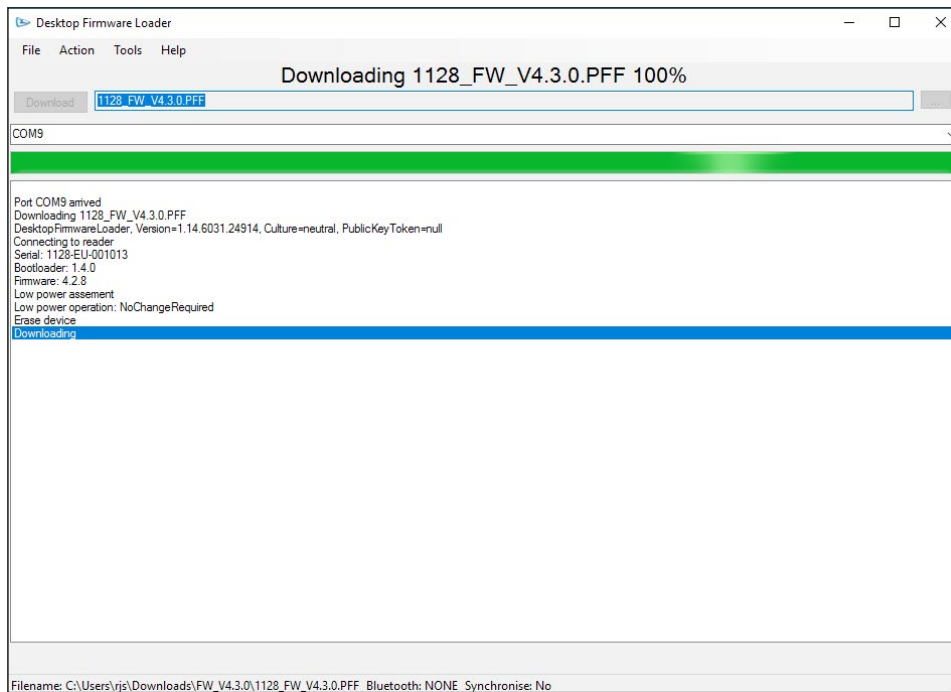
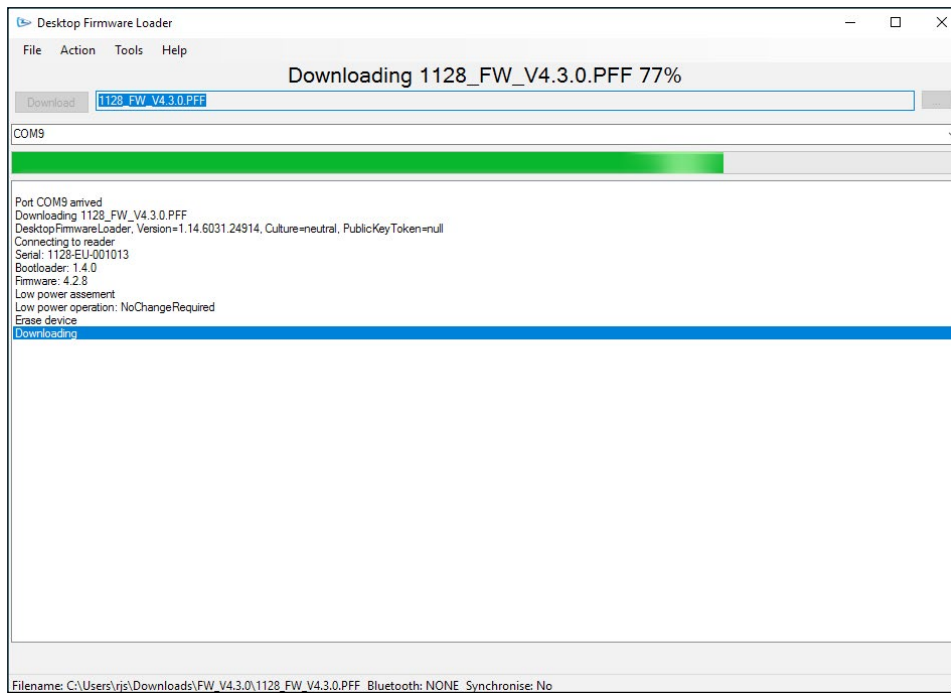


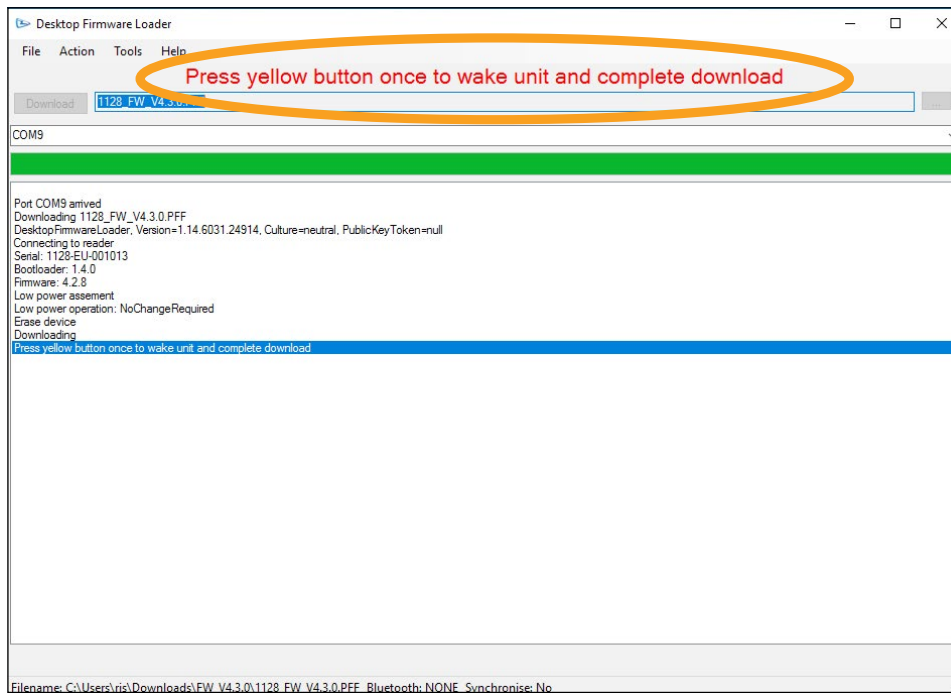
Connect the reader to the computer using the supplied USB cable. Once the driver is installed the application will see the COM port arrive and select it automatically. You can then click “Download” to start the download process.



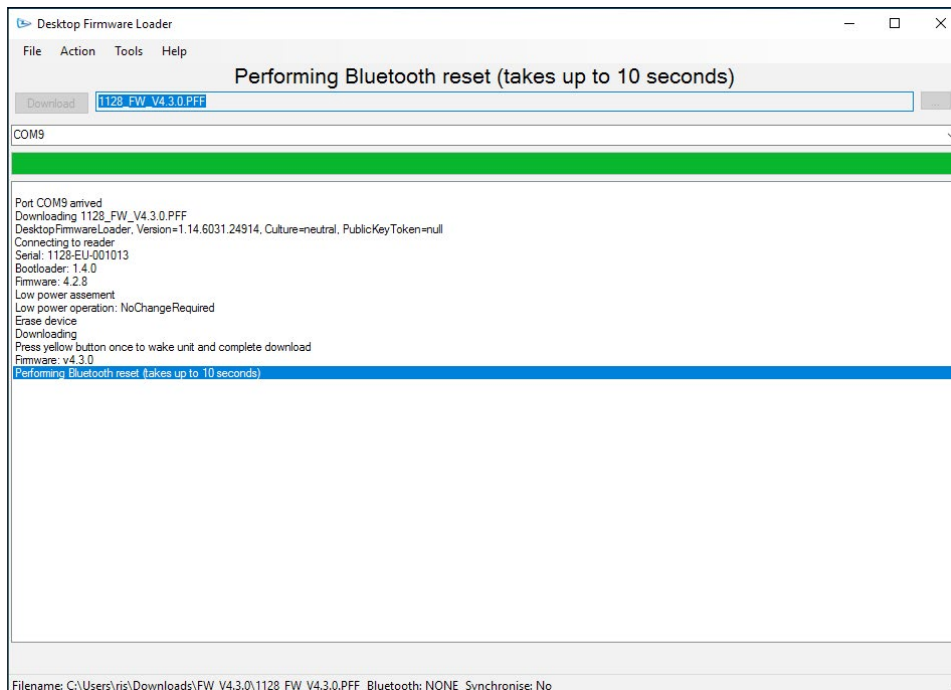
The download will then begin



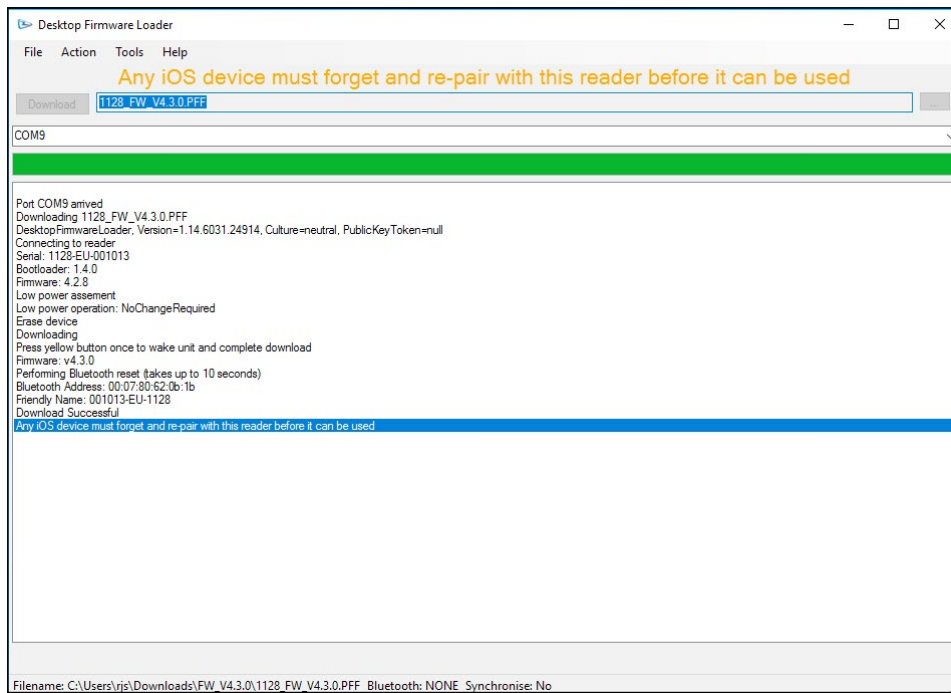




When prompted (see screenshot above) press the trigger button on the reader to wake the unit and complete the download.



The download completes by (re)configuring the Bluetooth module



You will need to delete and re-pair to any devices that were previously paired with the reader

ABOUT

ABOUT TSL®



Technology Solutions UK Ltd (TSL®), part of HID Global, is a leading manufacturer of high performance mobile RFID readers used to identify and track products, assets, data or personnel.

For over two decades, TSL® has delivered innovative data capture solutions to Fortune 500 companies around the world using a global network of distributors and system integrators. Specialist in-house teams design all aspects of the finished products and software ecosystems, including electronics, firmware, application development tools, RF design and injection mould tooling.

TSL® is an ISO 9001:2015 certified company.



ISO 9001: 2015

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ABOUT HID GLOBAL



HID Global powers the trusted identities of the world's people, places and things. We make it possible for people to transact safely, work productively and travel freely. Our trusted identity solutions give **people** convenient access to physical and digital **places** and connect **things** that can be identified, verified and tracked digitally. Millions of people around the world use HID products and services to navigate their everyday lives, and billions of things are connected through HID technology. We work with governments, educational institutions, hospitals, financial institutions, industrial businesses and some of the most innovative companies on the planet. Headquartered in Austin, Texas, HID Global has over 4,000 employees worldwide and operates international offices that support more than 100 countries. HID Global is an ASSA ABLOY Group brand.

For more information, visit www.hidglobal.com.