



TECHNOLOGY
SOLUTIONS UK LTD

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.

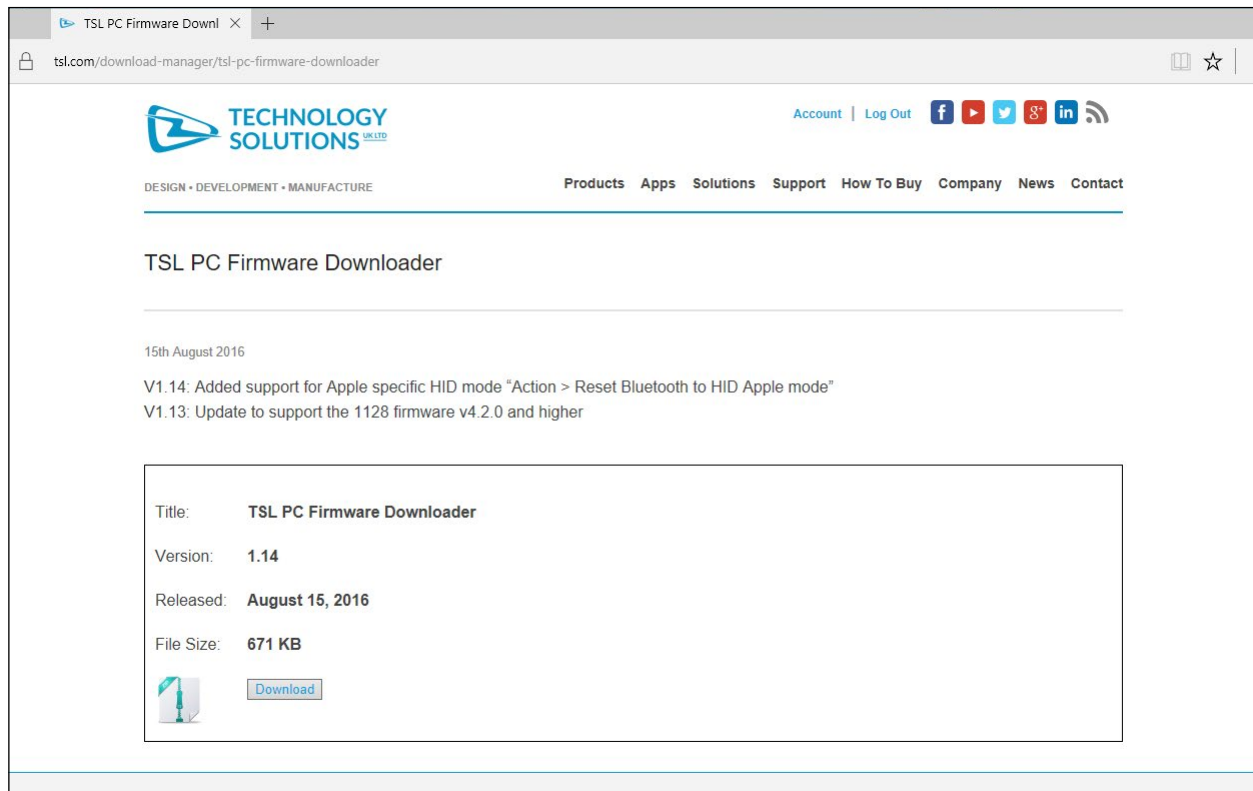
PREPARATION

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.

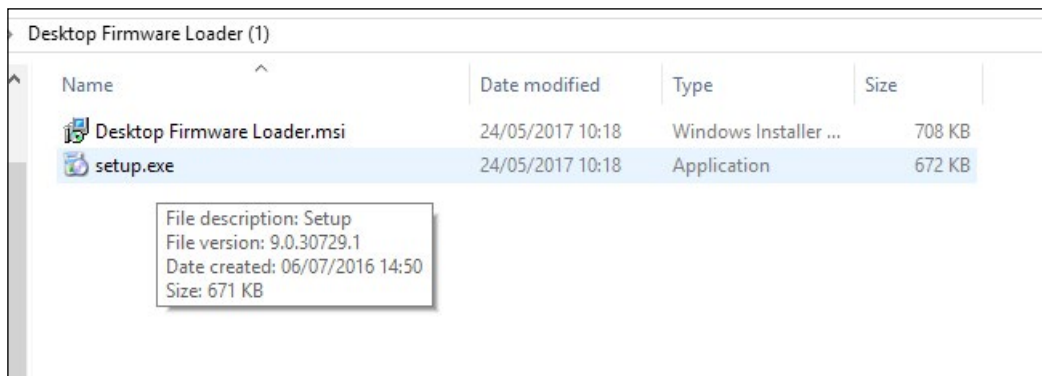
- [TSL PC Firmware Downloader](#)
- [1128 Download Page](#)
 - [1128_FW_V4.3.0.PFF](#)
- [1153 Download Page](#)
 - [1153_FW_V220.PFF](#)
- [1166 Download Page](#)
 - [1166_FW_1.2.0.PFF](#)

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

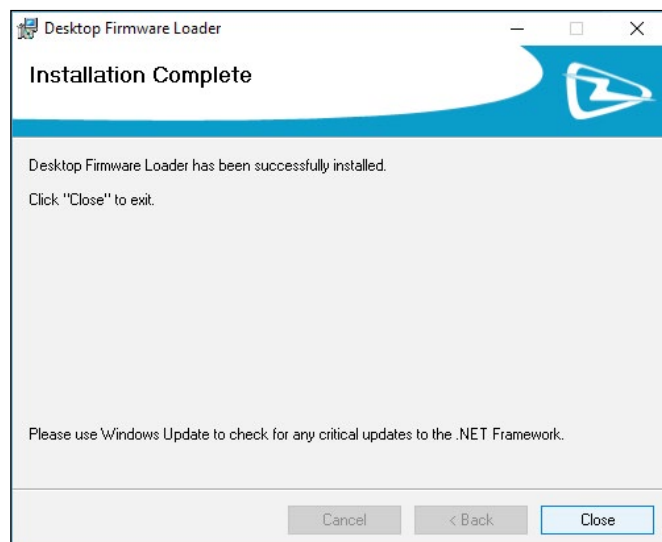
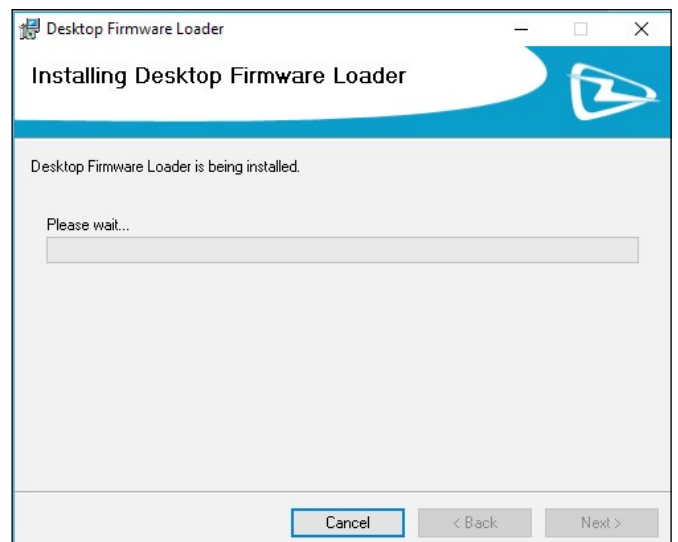
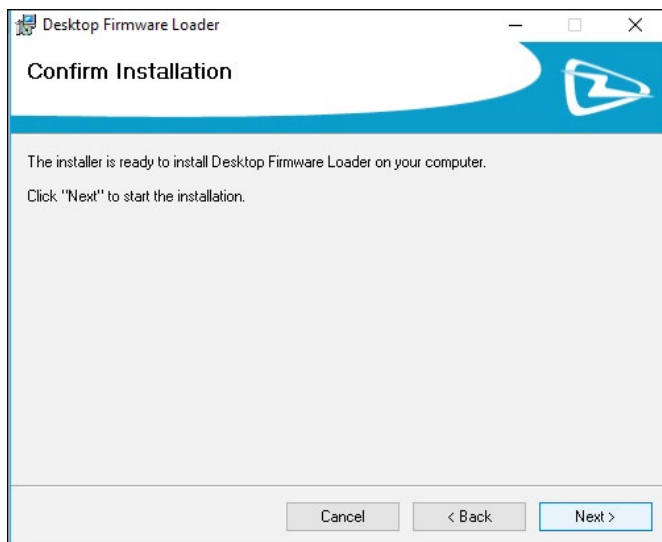
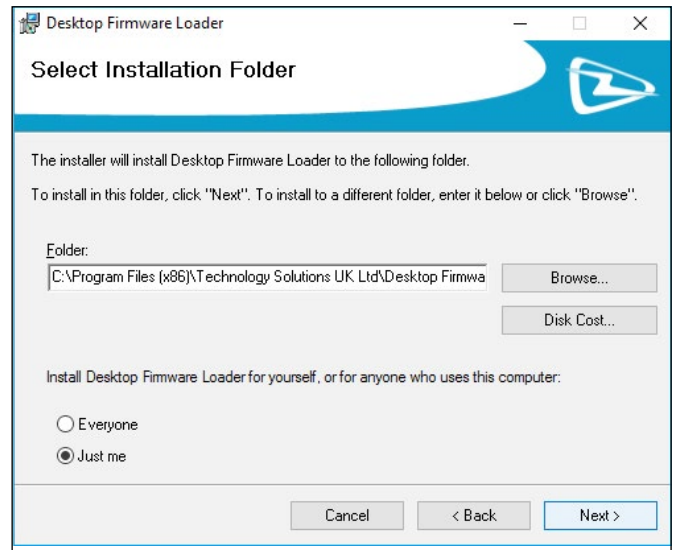
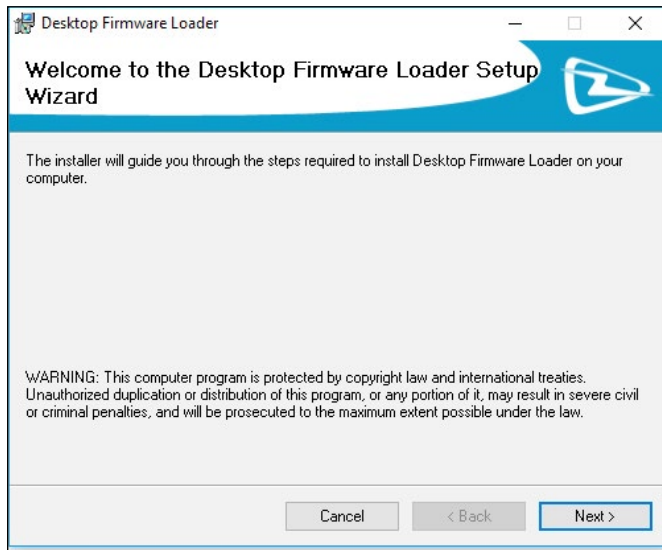


Download the TSL PC Firmware from the TSL website



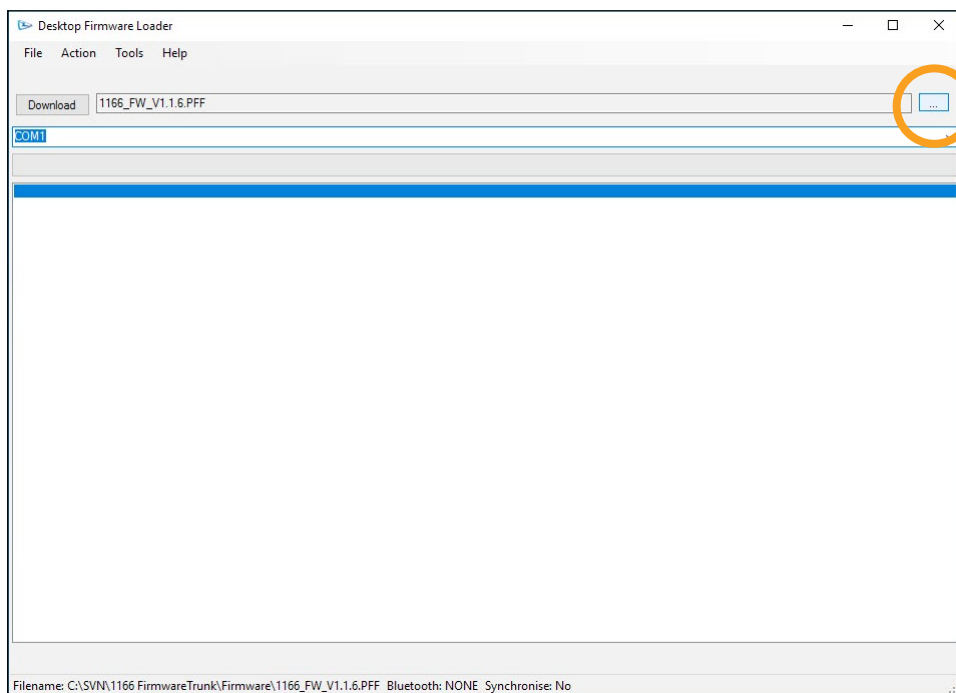
Unzip the download and run setup.exe to install the program (please uninstall any previous versions first)

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

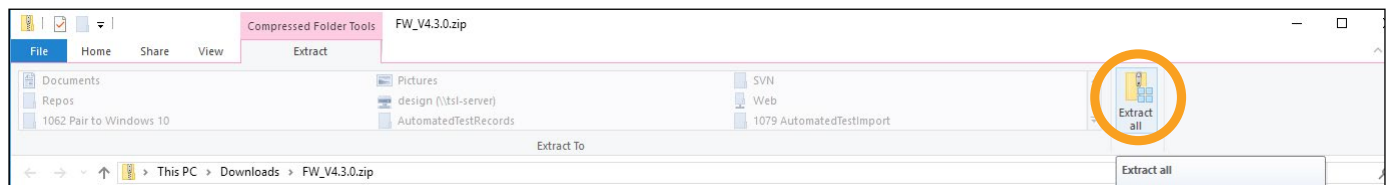




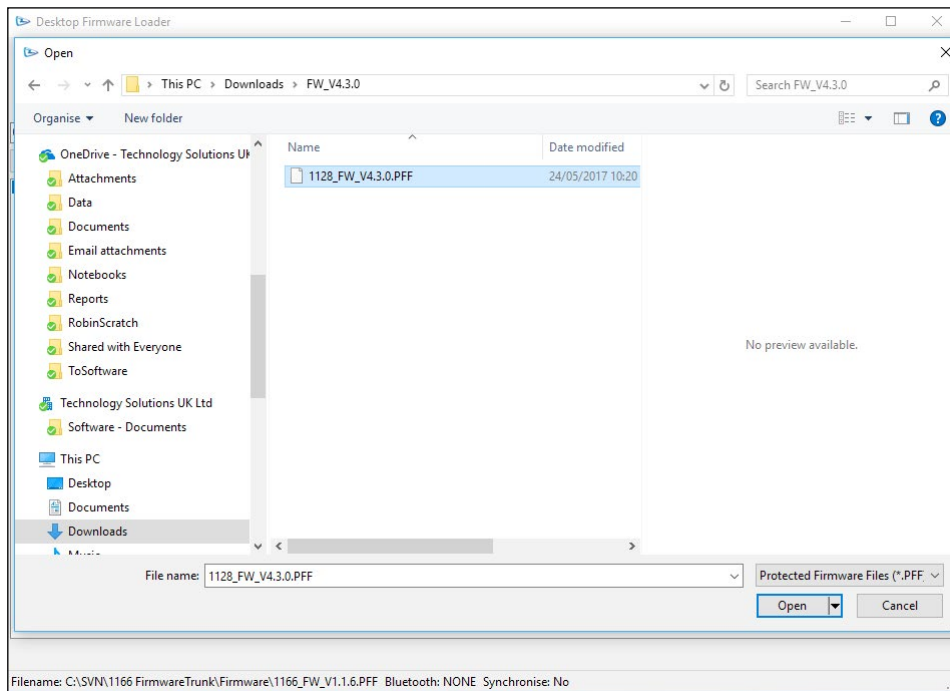
Launch the application



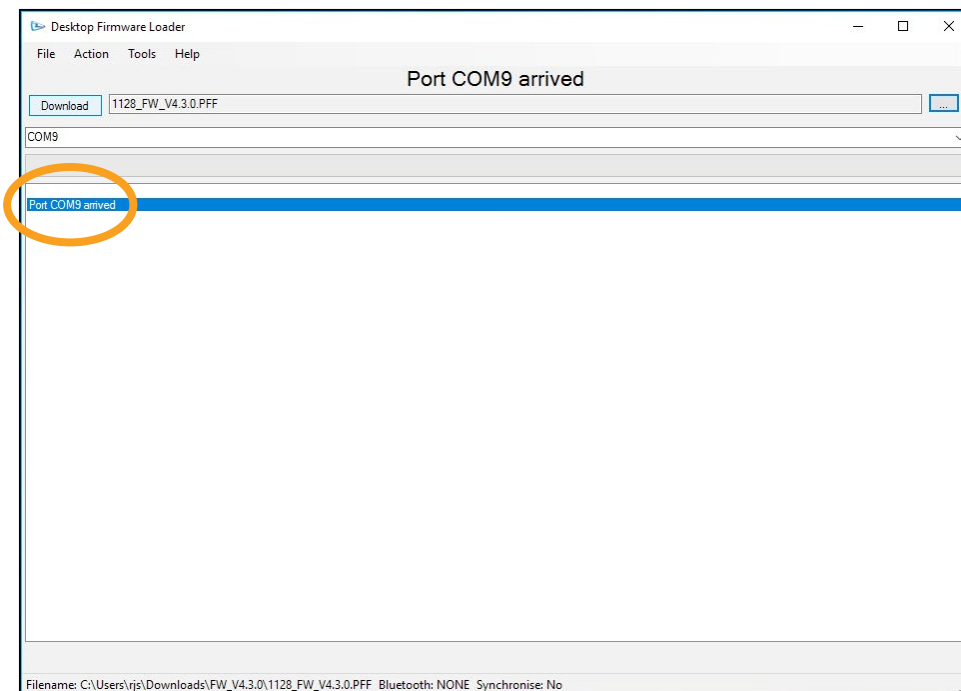
Select "... " to choose the firmware file to download



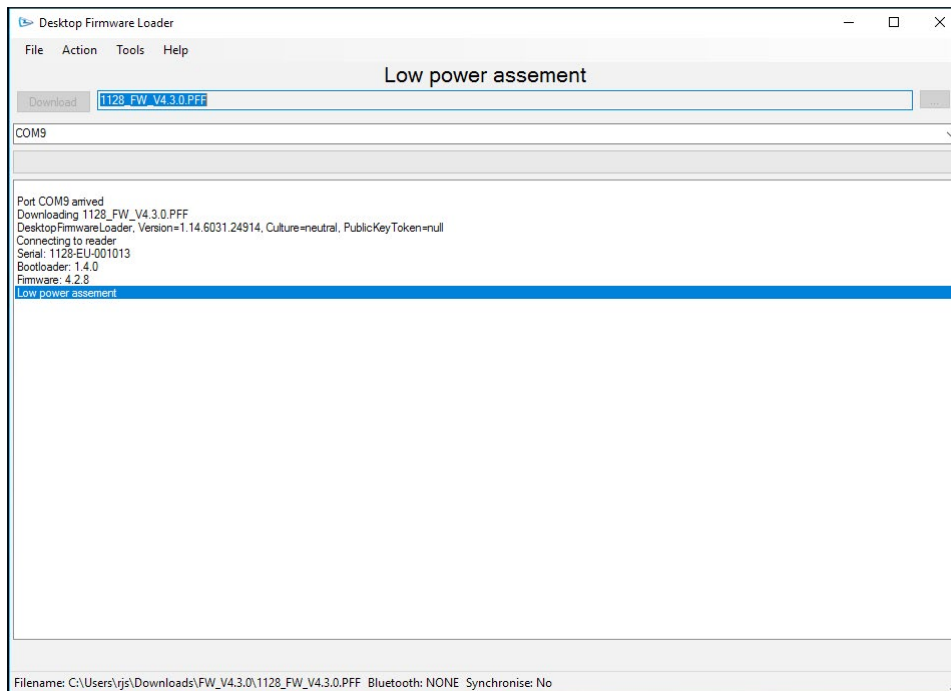
Download and extract the latest firmware for your reader



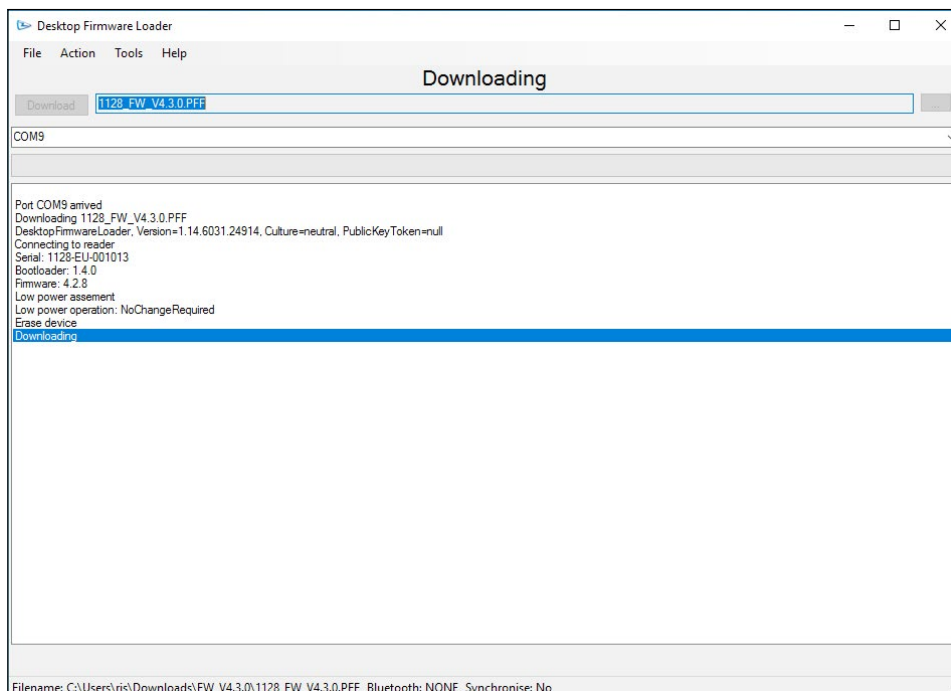
Select the firmware to download to the reader

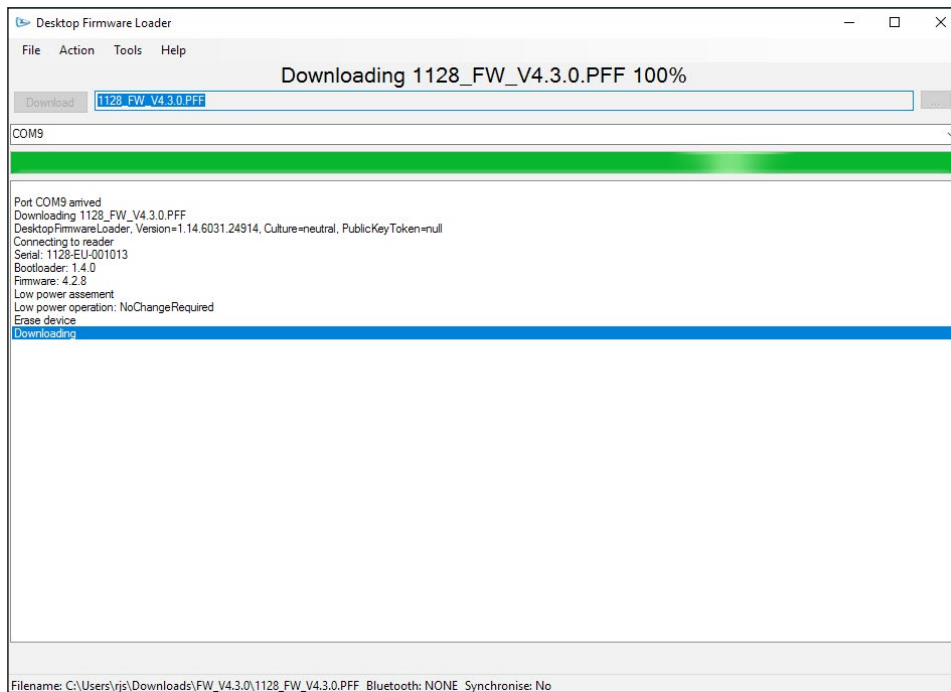
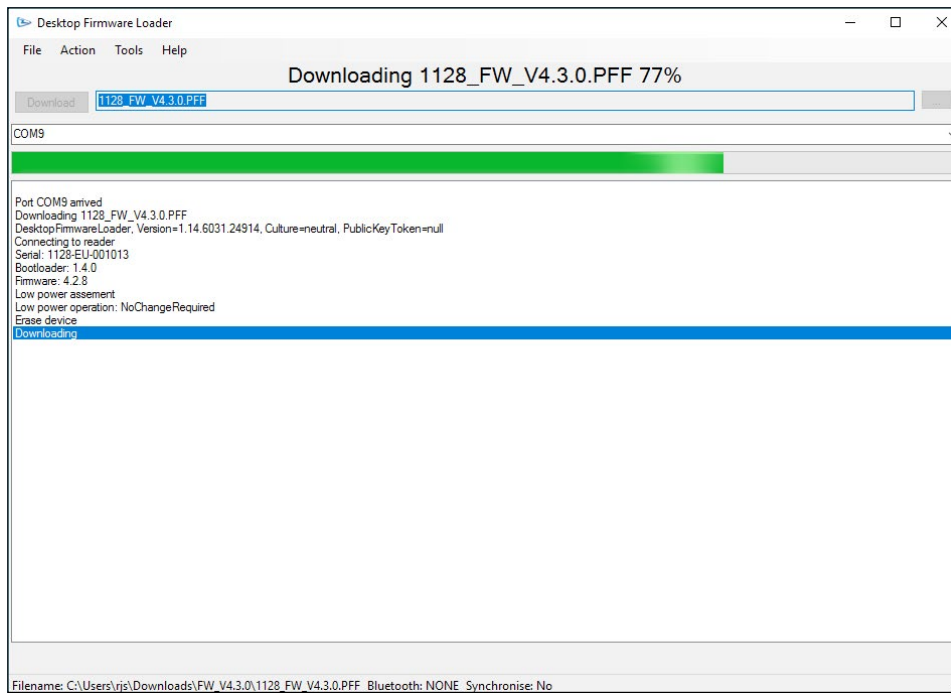


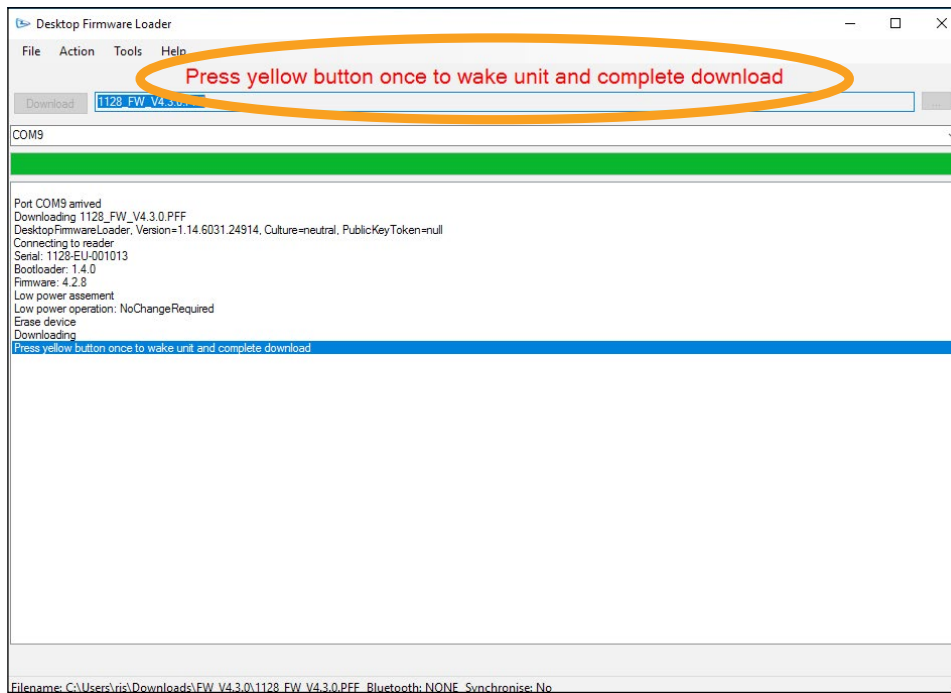
Connect the reader to the computer using the supplied USB cable. Once the driver is installed the application will see the COM port arrive and select it automatically. You can then click “Download” to start the download process.



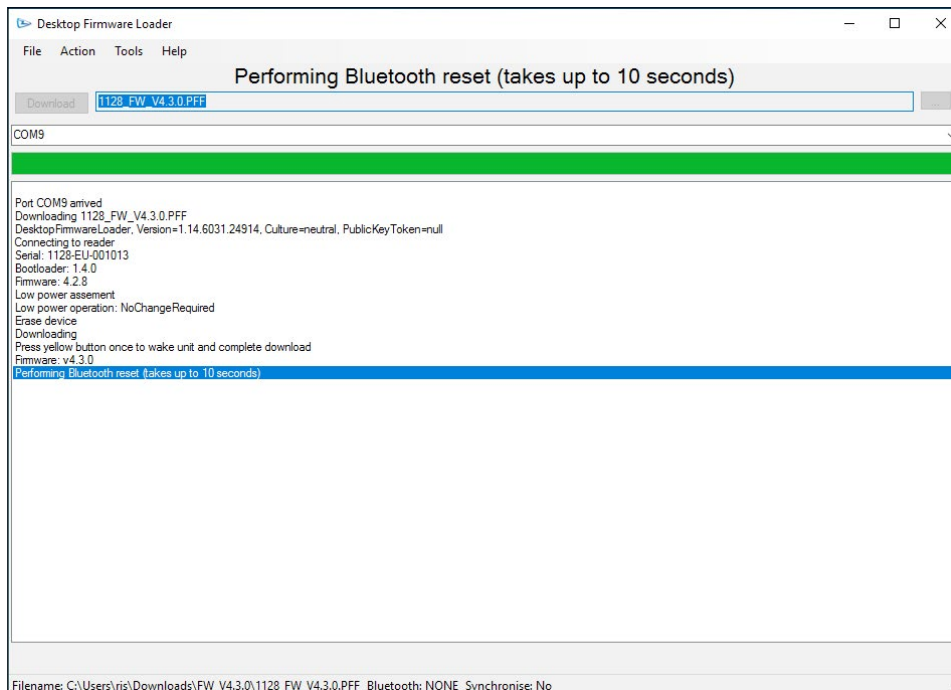
The download will then begin



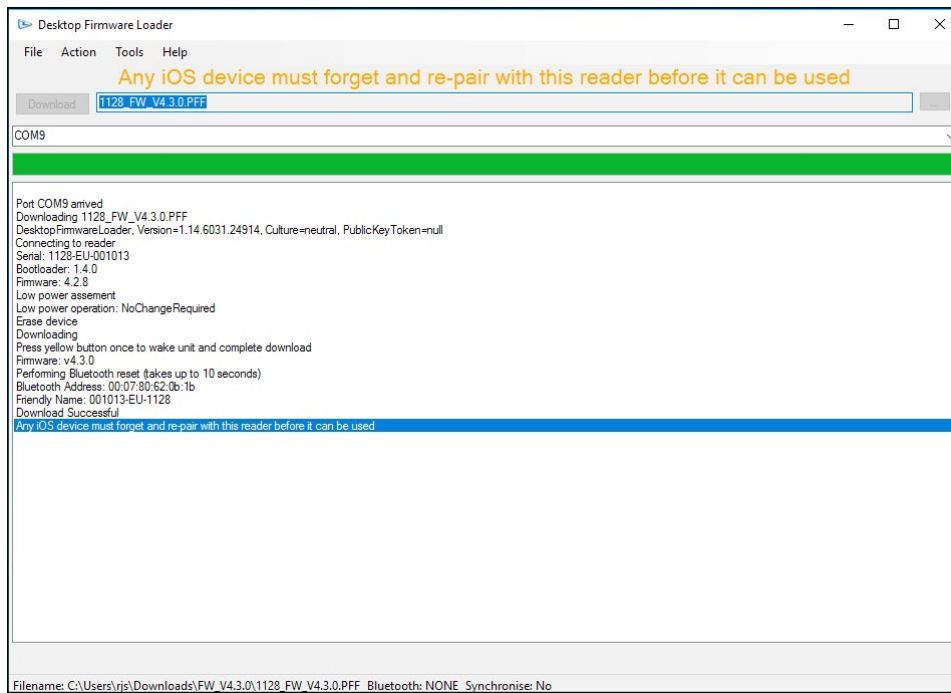




When prompted (see screenshot above) press the trigger button on the reader to wake the unit and complete the download.



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 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.

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