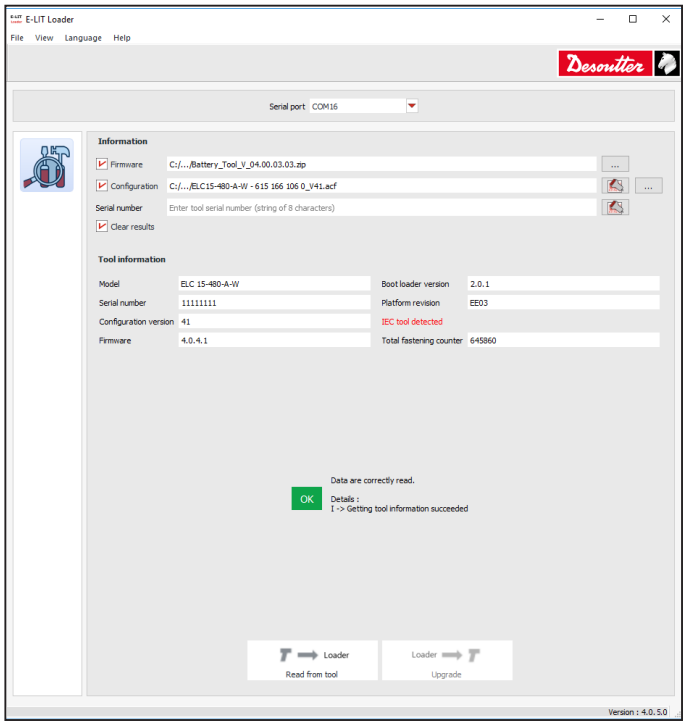
E-LIT Loader

V 4.0.5.X

User manual



Compatible with tools with serial number from 20BXXXXX

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Original instructions

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1 - DESCRIPTION

E-LIT LOADER software is used to configure the following features of the E-LIT series tools:

- update of the tool firmware
- update of the tool configuration (parameters)
- clearing of the tool memory (results and configuration files)

A license is required to activate the software.

2 - LIST OF COMPATIBLE TOOLS

Tool model	Part number
ELS7-360-A4S	6151657250
ELS7-880-A	6151656280
ELS7-880-A10S	6151658880
ELS15-480-A	6151656290
ELS15-480-A4S	6151658390
ELS30-300-A	6151656300
ELS45-180-A	6151656310
ELS60-160-A	6151656320
ELC7-360-A4S-Z	6151657260
ELC7-880-A-Z	6151657070
ELC15-480-A-Z	6151657080
ELC15-480-A4S-Z	6151658400
ELC30-300-A-Z	6151657090
ELC45-180-A-Z	6151657100
ELC60-160-A-Z	6151657110
ELC7-360-A4S-W	6151661040
ELC7-880-A-W	6151661050
ELC15-480-A-	6151661060
ELC30-300-A-W	6151661070
ELC45-180-A-W	6151661080
ELC60-160-A-W	6151661090
ELB2.5-1250-P	6151654150
ELB6-670-P	6151654400
ELB6-900-P	6151654160
ELB8-670-P	6151654170
ELB12-600-P	6151654180
ELS2.5-1550-P	6151654190
ELS6-1000-P	6151654200
ELS8-400-P	6151656050
ELS8-800-P	6151654210
ELS12-600-P	6151654220
ELS8-400-P4S	6151658250
ELS12-400-P4S	6151658260
ELC6-1000-P-Z	6151657010
ELC8-400-P-Z	6151657020
ELC8-800-P-Z	6151657030
ELC12-600-P-Z	6151657040
ELC6-1000-P-W	6151661000
ELC8-400-P-W	6151661010
ELC8-800-P-W	6151661020
ELC12-600-P-W	6151661030

3 - READ BEFORE STARTING

3.1 - Recommended system requirements

Connection to an Ethernet network.	
Administrator rights required for installation.	
Operating systems	- Windows 7 - Windows XP
Free disk space	150 Mo
Monitor resolution	1280 x 1024

3.2 - Checking the eDOCK and tool versions

- Locate the label on the left side of the eDOCK and check that the manufacturing year is 2014 minimum.
- Remove the battery pack and check that the manufacturing year is from 2015 on the tool footprint.

3.3 - Reading the user manuals

- Refer to the user manuals available at http://resource-center.desouttertools.com.

Tool model	User manual
E-LIT pistol tool	6159928480
E-LIT angle tool	6159928490

3.4 - Compliance with IEC 62841 standard

Hardware and firmware have been modified to be compliant with IEC 62841 standard.

Serial number of tools involved by this standard start at 20BXXXX.

This new firmware cannot be used with the previous E-LIT tools range.

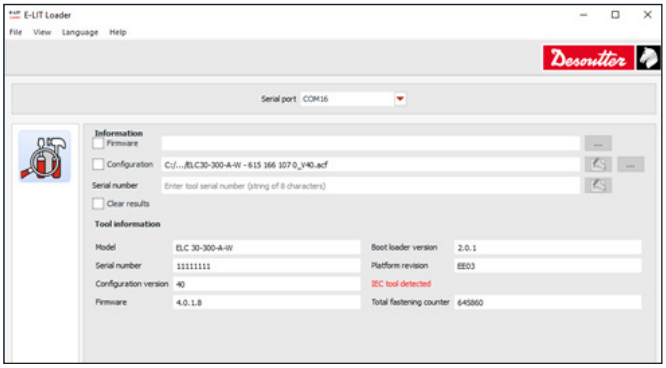
E-LIT Config_1.2.5.0 supports both IEC and non-IEC tools (Wi-Fi or not Wi-Fi).

This version detects hardware platform and select right files according to the tool hardware:

Tool hardware	Tool firmware	Tool Parameter
Non-IEC	MOT file	ECF file
IEC	ZIP file	ACF file

Hardware platform (IEC or Non-IEC) is also displayed when user reads tool information.

Example of IEC tool detected:



4 - INSTALLING THE SOFTWARE

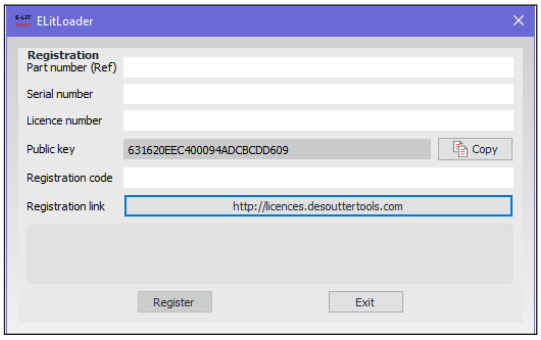
4.1 - Downloading the last release

- Go to "Desoutter support library" and download the last release to your computer.
- Unzip the file.

4.2 - Installing the software

- Double-click "E-LIT Loader_x.x.x.x.exe" to run the software.
- Follow the instructions.

A pop-up will appear asking you to register the license.



- Ask your license number and the serial number by mail to "**tightening.support@cp.com**".
- Go to "**http://licences.desouttertools.com".**

- To get information about licensing and how to activate the software, refer to the "Software registration procedure_User manual" available at https://www.desouttertools.com/resource-centre.

E-LIT Loader

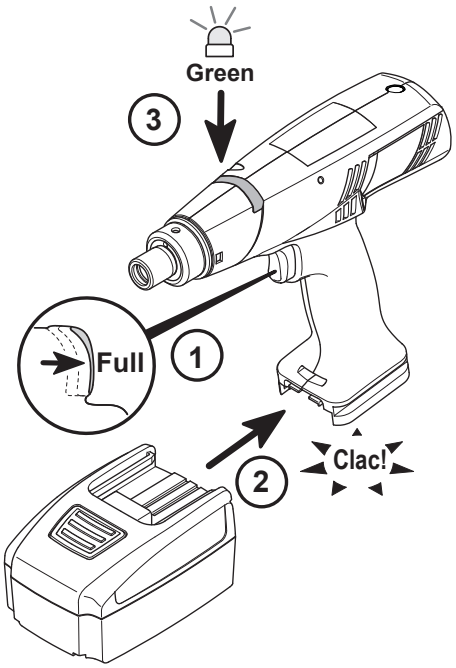
This icon is displayed in the Windows taskbar.

- Pin it to have it in the taskbar.

5 - GETTING STARTING

5.1 - Putting the tool in "Maintenance mode"

- Check the battery pack is fully loaded.
- Put the tool in the "Maintenance mode".



5.2 - Connecting the eDOCK to the computer

- Connect the eDOCK to an USB port of the computer. A new serial port is created.

- Do not press the tool trigger before finishing the settings.

5.3 - Copying firmware and configuration files

E-LIT Loader_4.0.5.0 can detect hardware platform and select then the right files according to the tool hardware:

Non-IEC tool hardware:

- Tool firmware: MOT file
- Tool parameter: ECF file

IEC tool hardware:

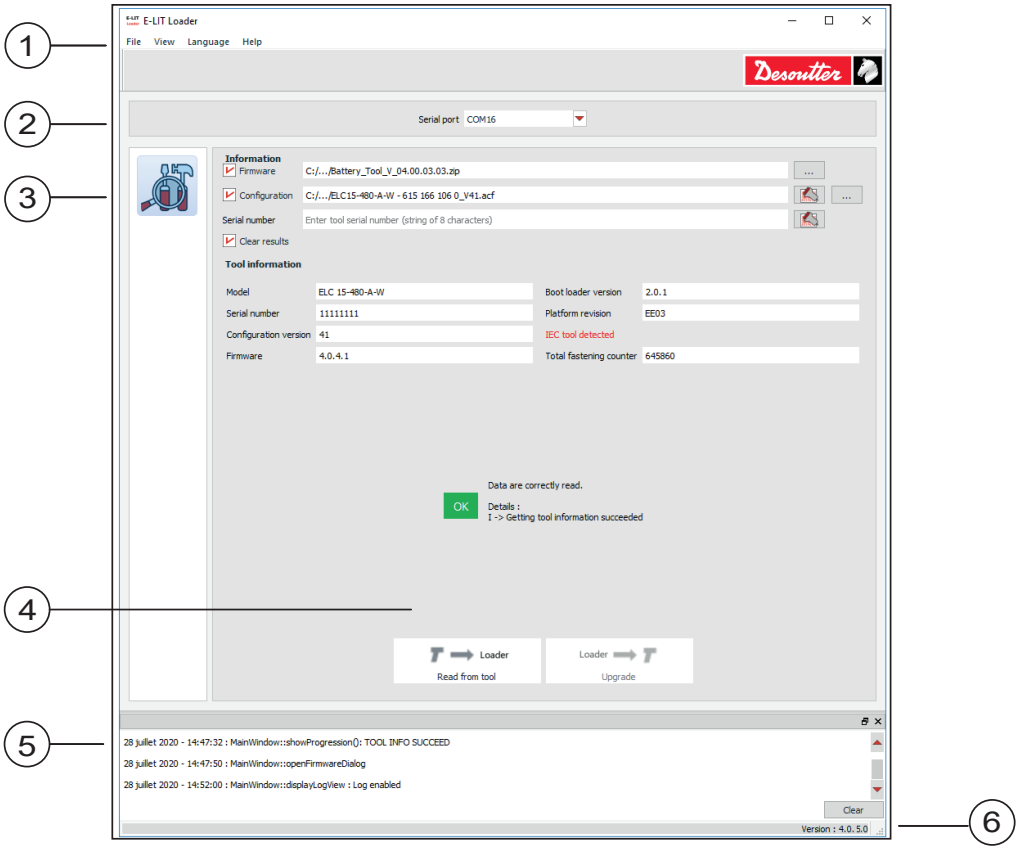
- Tool firmware: ZIP file
- Tool parameter: ACF file

- Copy all configuration files (*.ecf or *.acf) in the folder: C:\Program Files (x86)\Desoutter\E-LIT Loader\Default_configuration.
- Copy all firmware files (.mot or .zip) in the folder: C:\Program Files (x86)\Desoutter\E-LIT Loader\Default_firmwares.

5.4 - Description of the screen

E-LIT Loader

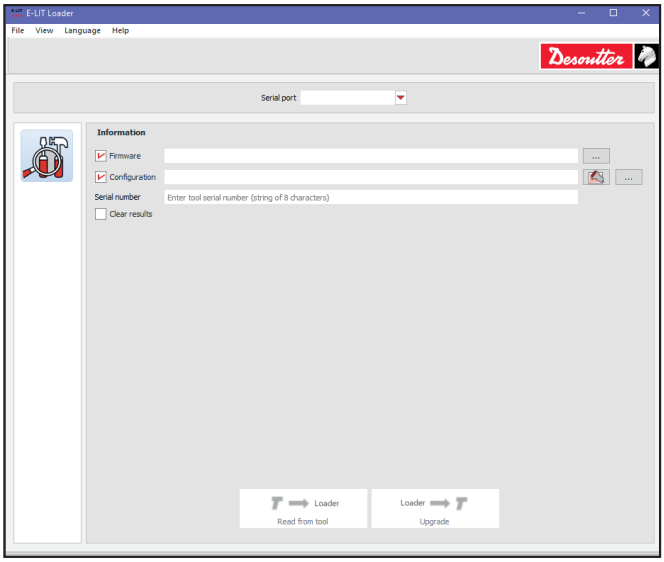
- Click the icon in the taskbar to launch the program.



1 Menu
2 Communication port
3 Maintenance
4 Tool bar
5 Logs
6 Software version

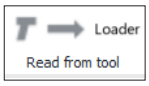
- Click "Help" in the menu to display the user manual.
- To quit the software, go to the Menu and click "File / Exit".

6 - HOW TO UPDATE THE SCREEN

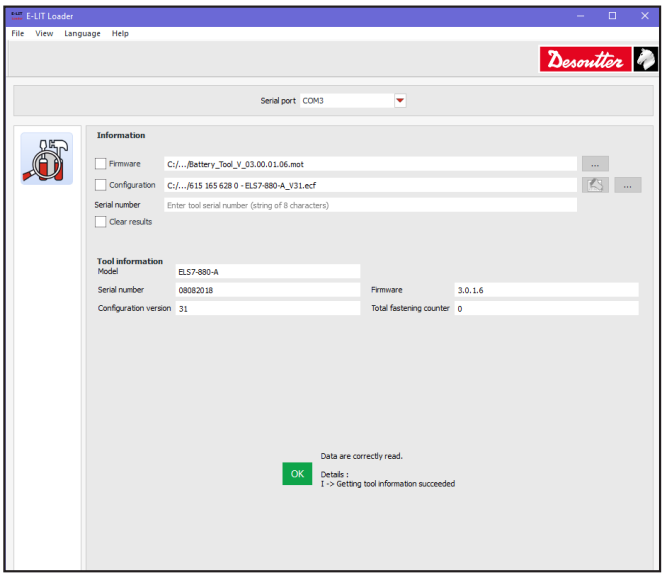


- Connect the tool.

The serial port is indicated.



- Click this icon to read the tool.



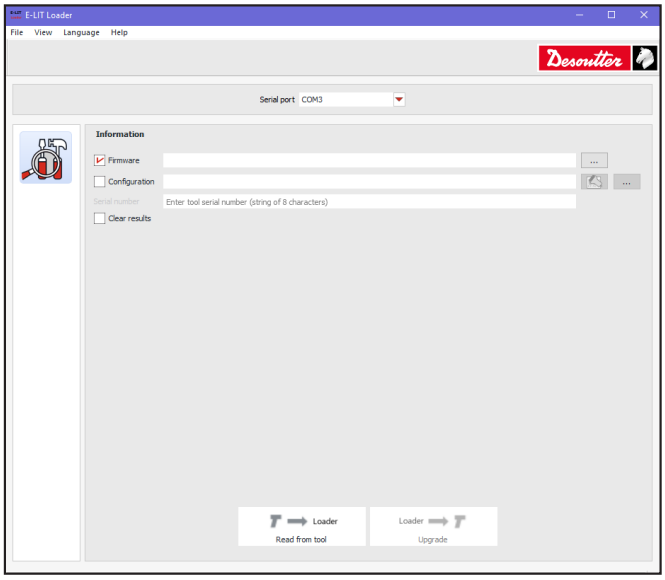
The green OK shows the reading has been successful.

7 - HOW TO UPDATE THE FIRMWARE

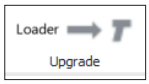
- Connect the tool.

The serial port is indicated.

- Tick "Firmware".

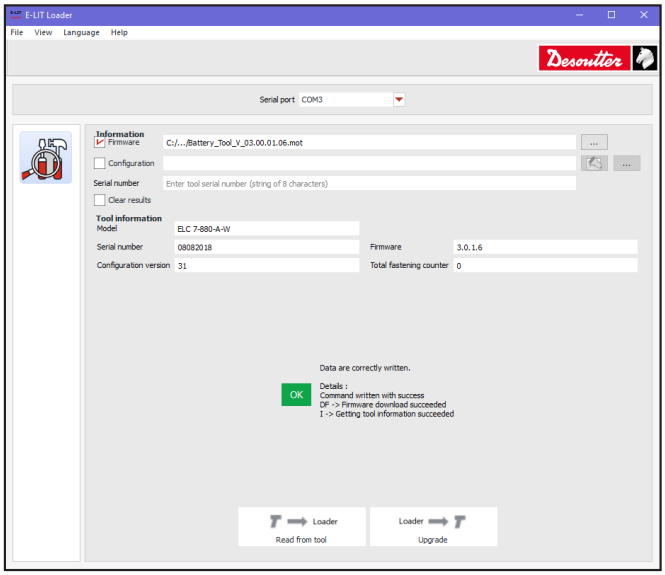


- Click this icon and browse to select the 'mot' or 'zip' file corresponding to your hardware tool version. This file is unique.
- Click "Open" to validate your selection.



- Click this icon to upgrade the tool.

The red LED of the tool is flashing quickly during a few seconds.



The green OK shows the update is successful.

When the upgrade is over, the green light stays flashing.

- When the update is complete, unplug the battery pack.

8 - HOW TO UPDATE THE CONFIGURATION

8.1 - Getting information on hand

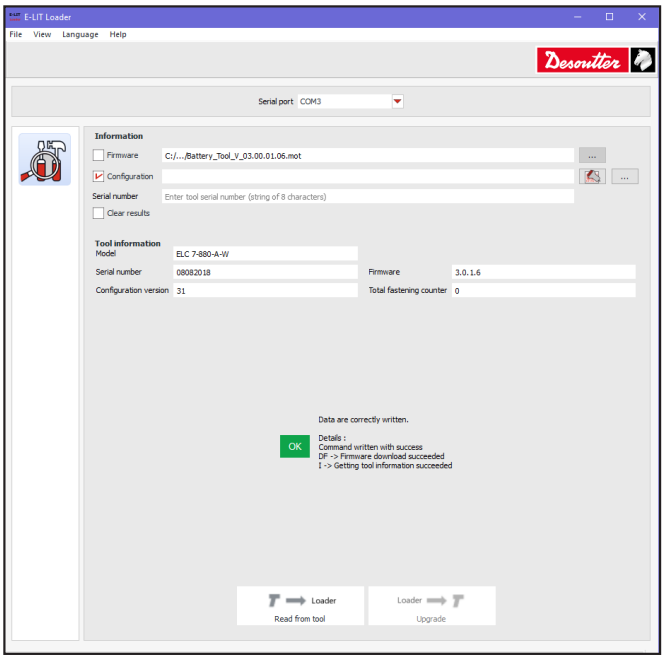
- Locate the serial number of the tool (8 characters) located on the footprint.
  For example:
  16E64685
- See the model of the tool and its part number which are located on the label on the right side of the tool.
  For example:
  ELS7-880-A
  6151656280

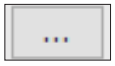
8.2 - Updating

- Connect the tool.

The serial port is indicated.

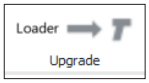
- Tick "Configuration".



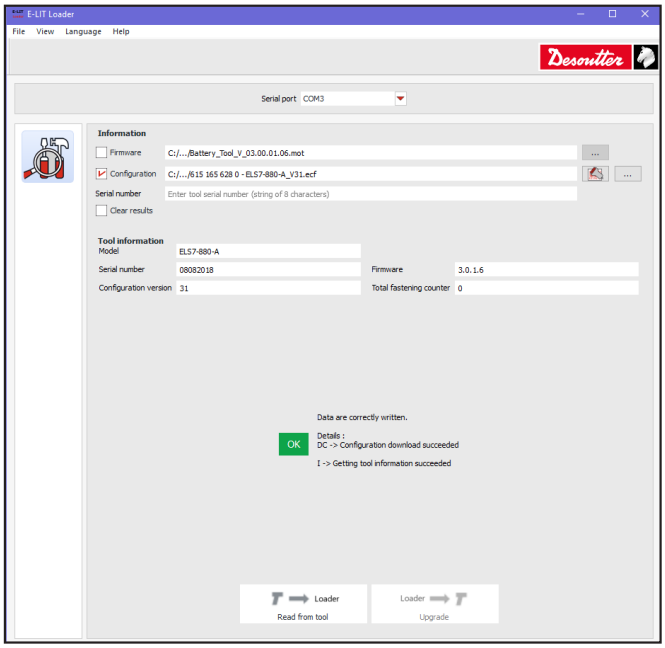


- Click this icon and browse to select the **".ecf"** file corresponding to the tool model.

- Type the serial number.



- Click this icon to upgrade the tool.



The green OK shows the update is successful.

When the upgrade is over, the green light stays flashing.

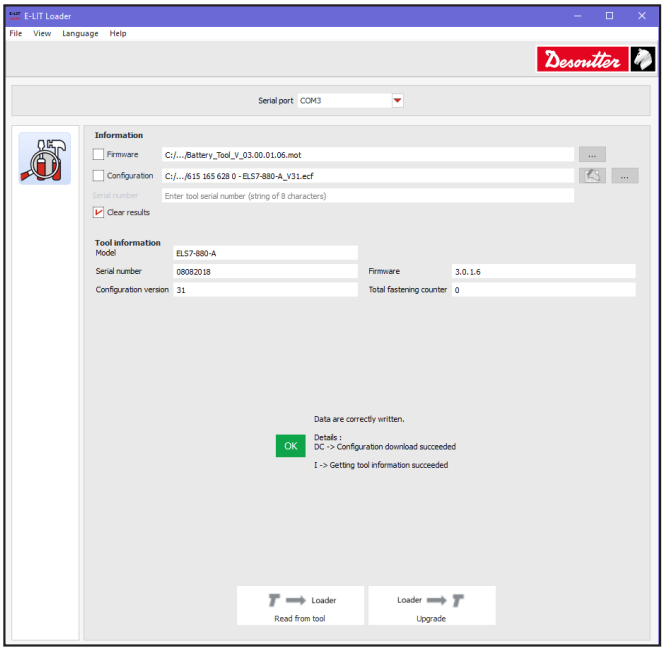
- When the update is complete, unplug the battery pack.

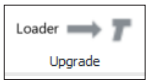
9 - HOW TO CLEAR RESULTS

- Connect the tool.

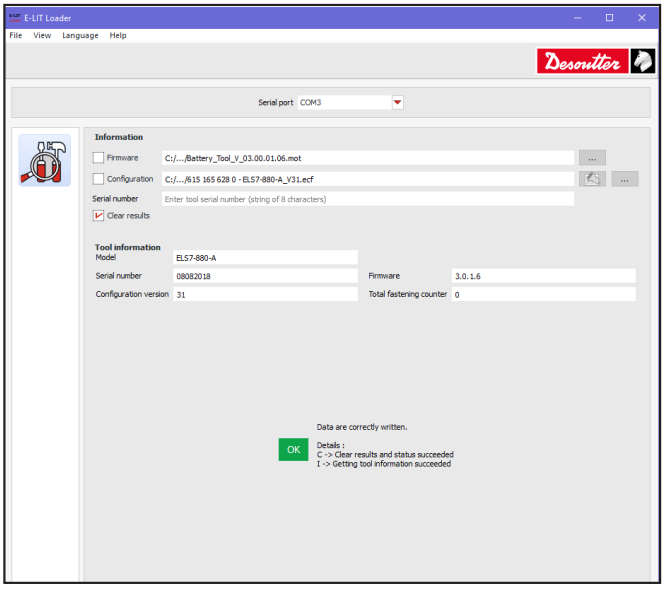
The serial port is indicated.

- Tick "Clear results".





- Click this icon.



The green OK shows the update is successful.

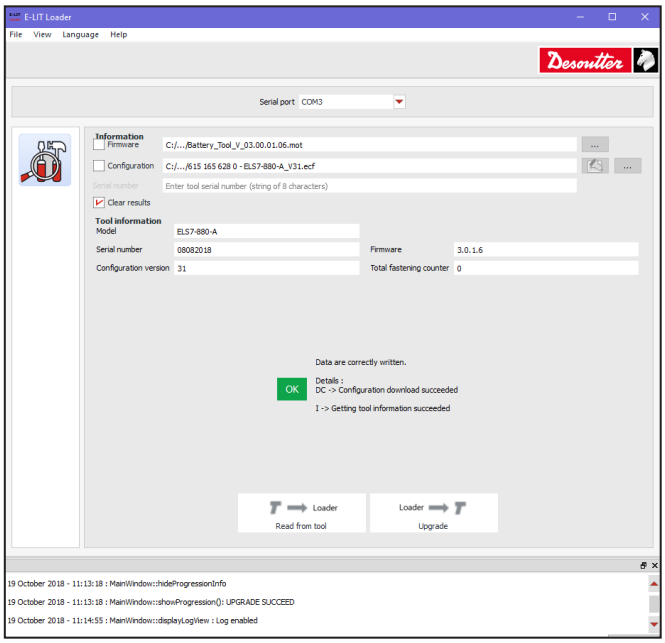
When the upgrade is over, the green light stays flashing.

- When the update is complete, unplug the battery pack.

10 - VIEWING THE LOGS

- Go to the menu, click "View" then "Logs".

For example:



It is not possible to stop the progression.

- Wait until the end and start again.

- Click this icon to delete the logs..

11 - UPGRADE HAS FAILED

- Check the tool is properly connected, check the battery pack is fully loaded, unplug/plug the battery and start again the operation.

Trouble-shooting

The USB plug has been disconnected during the download.	• Check the computer and eDOCK connections. • Replace the USB cable if damaged.
The tool is not in "Maintenance mode".	• Restart the operation.
The E-LIT firmware and the tool configuration are not compatible.	• Download the latest firmware and configuration version.
The communication port selected is not correct.	• Check that the port used is the one created at the eDOCK connection.

- Contact your Desoutter representative for support.

12 - RESCUE MODE

E-LIT Loader_4.0.5.0 can detect tool without tool firmware and / or tool parameter.

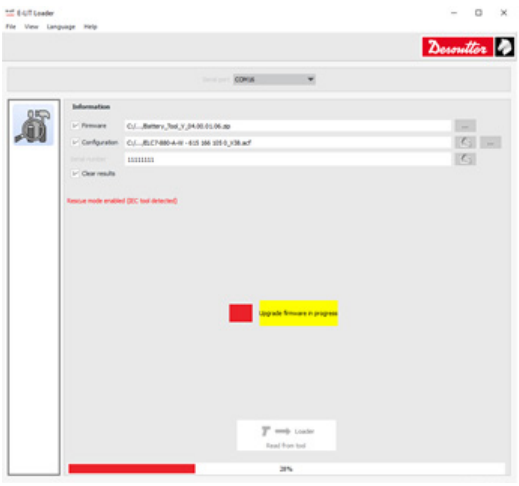
In this case, E-LIT Loader switches in rescue mode to able to send file to tools.

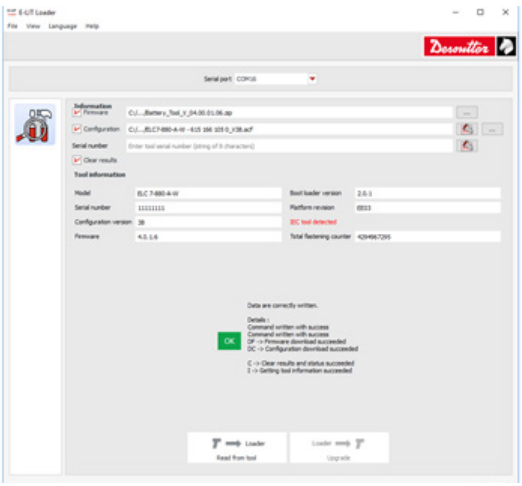
In this mode, E-LIT Loader presumes tool is IEC compliant and then user is able to :

- Update firmware
- Write tool parameter and serial number

Rescue mode can be used for example after replacing main board by a spare part.

Example of IEC tool in rescue mode:





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