Energy eReader SLIM / SCREENLIGHT / PRO
TUTORIAL REINSTALACIÓN DE FIRMWARE

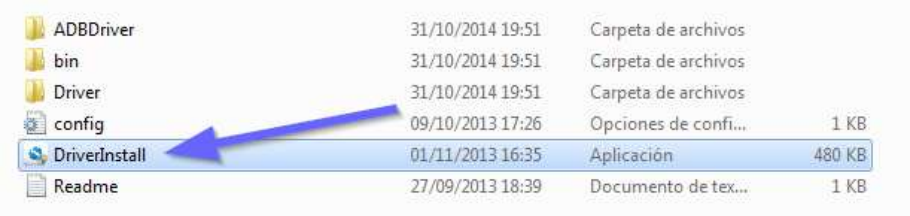
VERY IMPORTANT.
If you do not follow this tutorial properly, you risk losing the eReader data or even make it unusable, so we recommend to back up the entire contents of the eReader, fully charge the battery and use a computer within a safe working environment, using an Uninterruptible Power Supply (UPS) device or a laptop with its battery charged and connected to an electric network to avoid power outages while following the instructions.
In addition, we need a computer with Microsoft Windows XP, 7 or 8 with Administrator access, a ZIP files extractor and a PDF reader to successfully complete the process.
A brief review of the glossary:
WINDOWS: it is the operating system that you need to make your computer run and manage programs and devices you have installed.
FW or FIRMWARE: programs that are required by the eReader itself to function. These are updated as we add new features or we solve small errors.
DRIVER, LIBRARIES: files required for Windows to detect and communicate correctly with the connected devices.
FILE: it is the set of digital information that is assigned a name and a location in a computer system. This tutorial is a file.
FOLDER: we use folders to contain and organize digital files; as in real life we use a drawer (computer) that can have boxes (folders) and inside this boxes other things that we organize (more folders or files).
ZIP: is an archive file format that supports lossless data compression. Your computer requires a program that can read and extract these files, such as WinZip. It is free and you can find it easily on the internet.
PDF: it is a document file type. It is a very standardized format to quickly view a manual, tutorial, etc., with text and images. It requires a simple program installed on your computer such as ADOBE READER. It is also free and you can find it easily on the internet.

Following these simple safety tips and prerequisites you need to download the appropriate files from the support site: http://www.energysistem.com/es/support search for the exact eReader model files and unzip the downloaded ZIP file in a folder on our computer. Once extracted and located in its folder we will see the ***"RK Batch Tool v1.7"*** folder, which contains the firmware update tool, the ***"RK Driver Assistant"*** folder with the device drivers and libraries needed for your *Windows system (XP, 7 and 8)* to recognize the reinstallation mode of the device, the file ***"FW eReader XXXX vX.X.X.bin"***, that will be the FIRMWARE file to reinstall on your device; you will finally find this Tutorial in PDF format.

To make this process you need your device to enter into **recovery mode**, this is done following a few steps while connected to the computer.

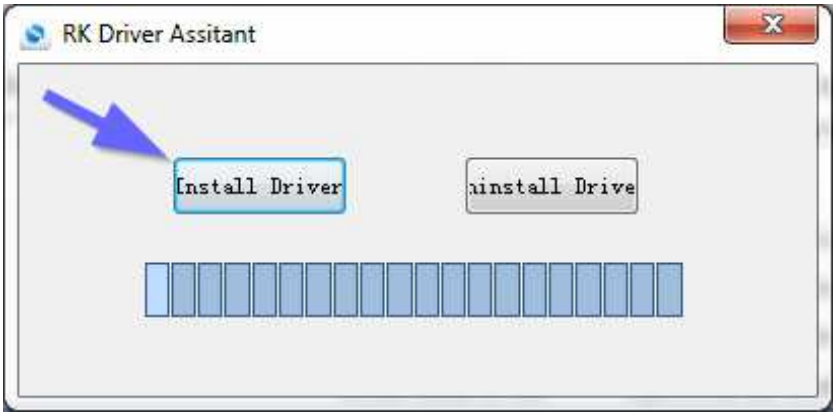
To get started, you will ensure that the eReader is disconnected from the computer, the battery must be charged.

Then you will install the drivers in your Windows operating system by double clicking on the file ***"DriverInstall.exe"*** in the ***"RK Driver Assistant"*** folder.

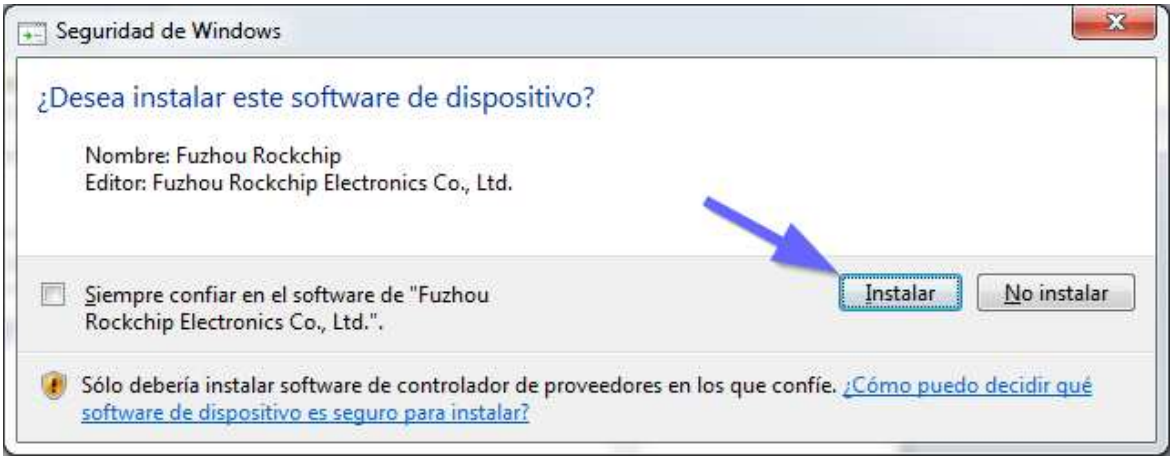


If you have the User Account Control enabled in Windows, it will ask for administrator permissions to make the necessary changes, click on ***"OK"*** to start the installation.

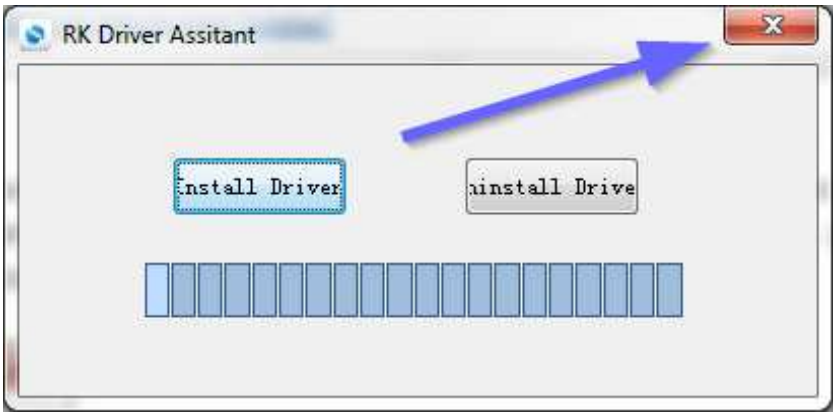
Click on ***"Install Driver"*** to install the necessary drivers for Windows to recognize our eReader recovery mode.



If the Windows User Account Control is activated, it will ask again for permission to proceed with the installation. Now press ***"Install"*** to continue. We may need to authorize several times for the different drivers needed.



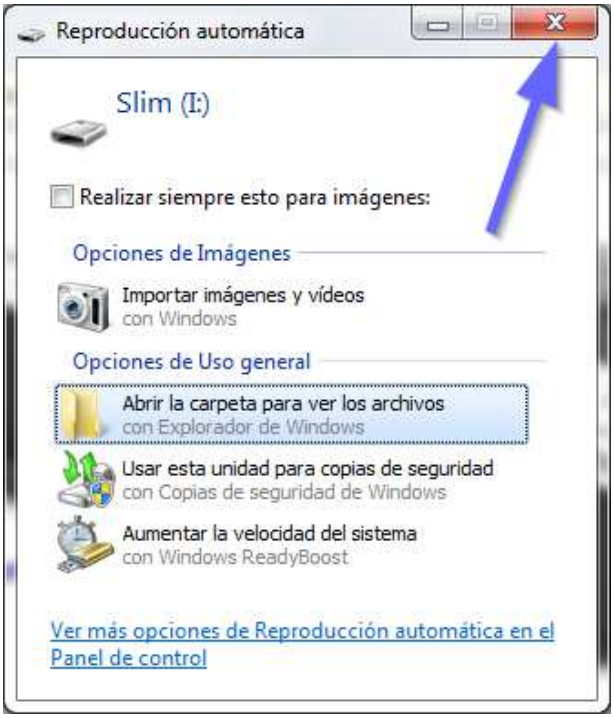
When installation is finished, *Windows* will display a screen like the one shown below with the message *"Install driver ok."*, then click on ***"OK"*** and close the driver installation wizard.



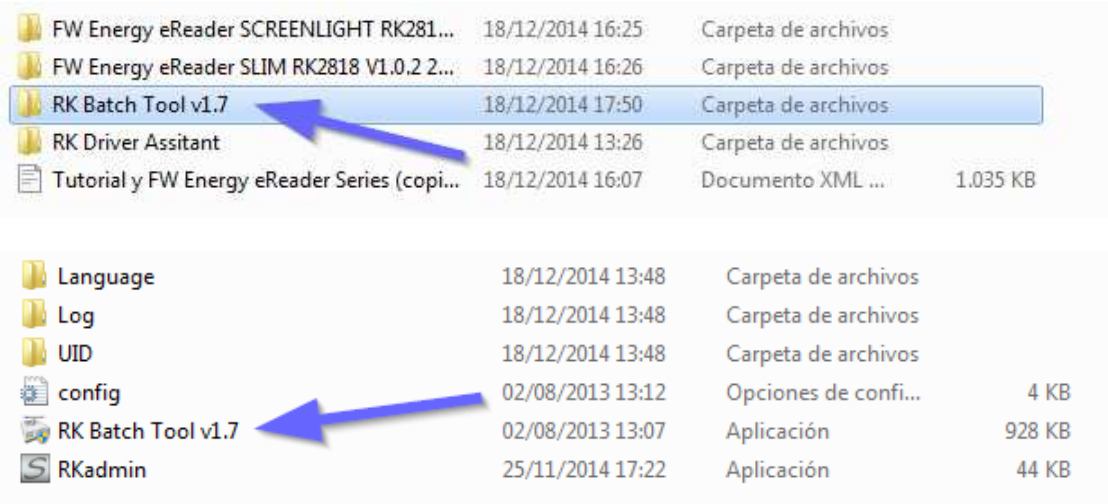
Once the first stage is finished, after having installed the drivers, it is time to connect our device to our computer through an USB cable that comes with the eReader.

In case that your device is an eReader Pro or Pro+, we suggest that you connect it in “Mass storage mode” (Settings, General settings, USB connection mode). The first time that we connect the eReader to the computer, it is probable that *Windows* shows a window which looks like the one showed above with a message informing that a new device has been detected and that it will be installed in the system. Once this process is finished, it will show another window informing that the device has been correctly installed and is ready to be used.

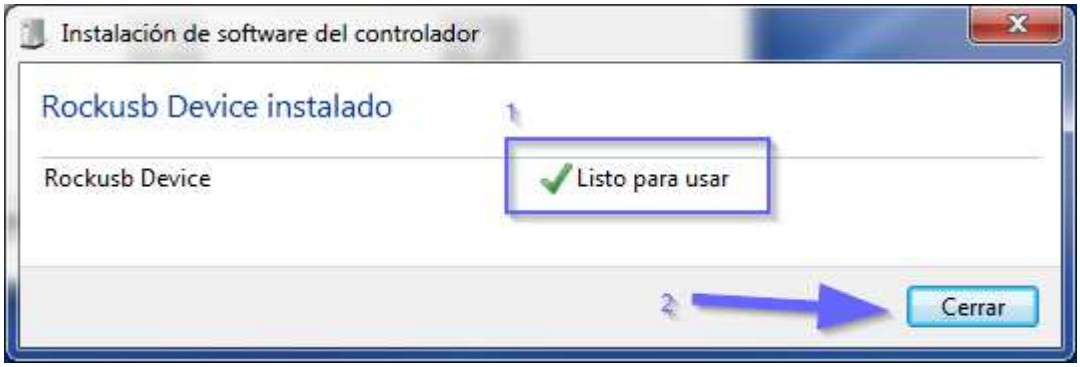
If the *Windows* auto playlist is enabled, a new window which looks like the one here will appear. We will close this window before going on with the process.



At this point, we will have to return to the folder in which we have unzipped the files and search for the ***"RK Batch Tool v1.7"*** folder that contains the FIRMWARE installation tool. Double click on ***"RK Batch Tool v1.7.exe"*** *file.*

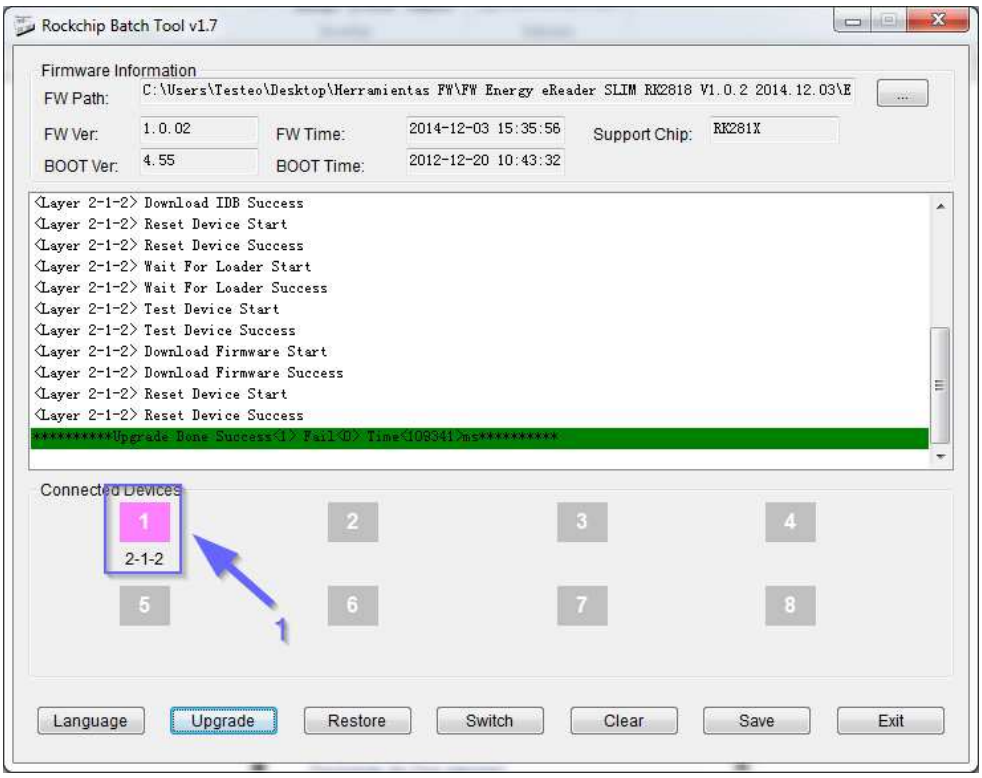


Once again, if the *Windows* User Account Control is enabled, the system will ask for administrator's permissions in order to carry out all required changes. We will press ***"Accept"*** to continue. *Windows* will install all required files to access the eReader's recovery mode and will show a window once it is finished; we will then press ***"Close"*** and everything will be ready to begin with the FIRMWARE recovery process.



Then, the main programme window will open, thus allowing us to reinstall the FIRMWARE. **It is very important to follow the steps in the right order. Do not try or test other methods or use other files, different to the ones required by your device** because you risk yourself to lose your data or make your eReader unusable.

Step 1: Check that the connection is correct: the indicator must have a PINK color.



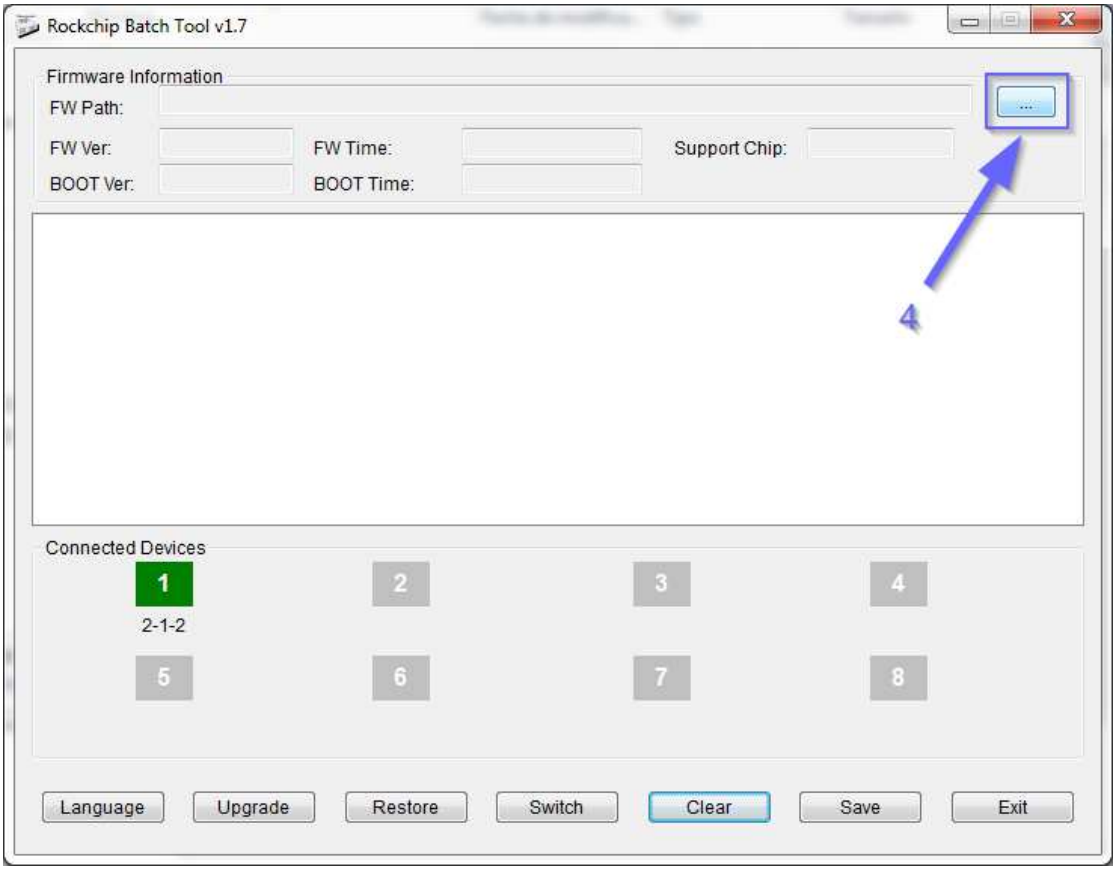
Step 2: Press the ***"SWITCH"*** button.

Step 3: Check that the indicator of the connected device turns to green and that in the message window appears ***"Switch Done Success (1) Fail (0)".*** The device has now entered **recovery mode.**

Step 4: Press the button ... which will allow us to search the FW file with the following format: "FW Energy eReader XXXXXX vX.X.X.img".

Remember that you ONLY should carry out this process with the correct file for your type of eReader. Otherwise, this could not work properly or turn unusable.

(For this manual and as an example, we have unzipped the files on our Windows desktop, within the *"FW tools"* folder and our prototype is the "SLIM" eReader)


Rockchip Batch Tool v1.7
Firmware Information
FW Path:
...
FW Ver:
FW Time:
Support Chip:
BOOT Ver:
BOOT Time:
4
Connected Devices
1
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2-1-2
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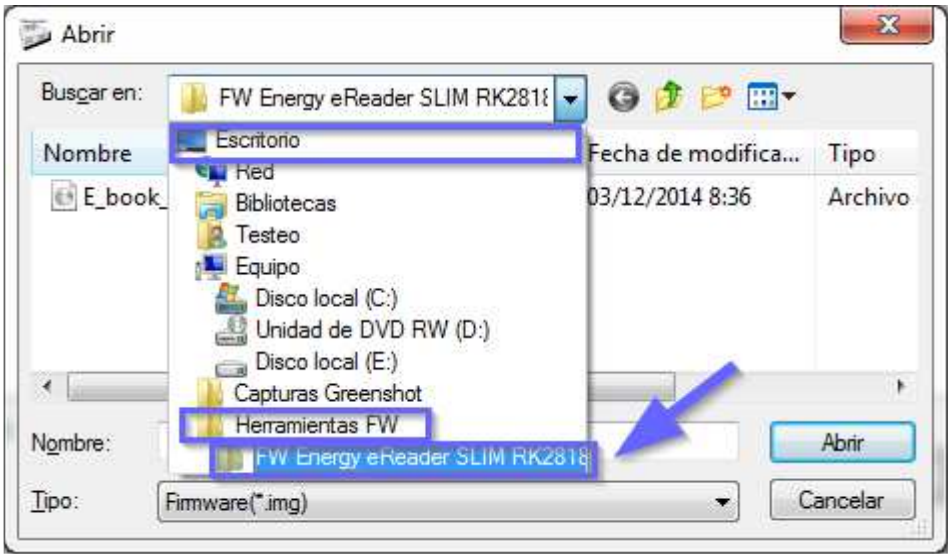
Language
Upgrade
Restore
Switch
Clear
Save
Exit


Abrir
Buscar en:
FW Energy eReader SLIM RK2818
Escritorio
Red
Bibliotecas
Testeo
Equipo
Disco local (C:)
Unidad de DVD RW (D:)
Disco local (E:)
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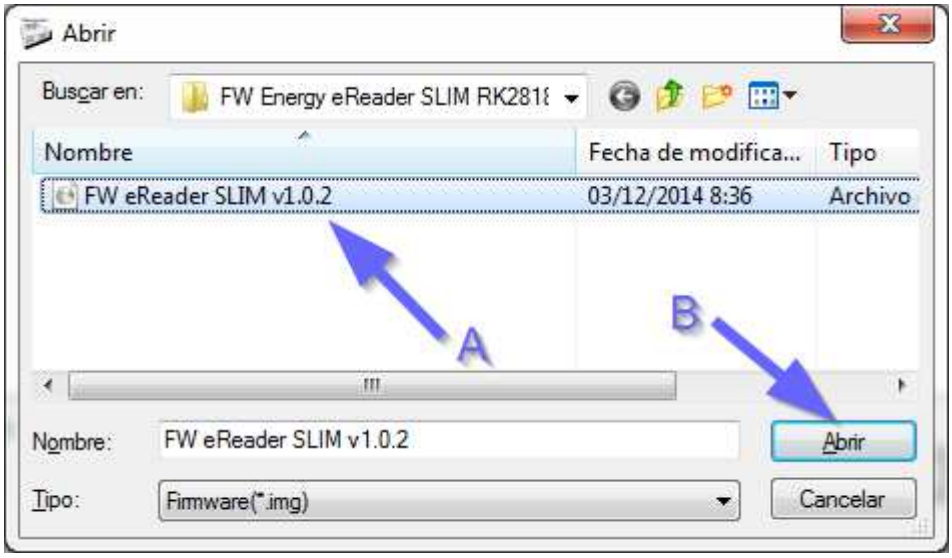
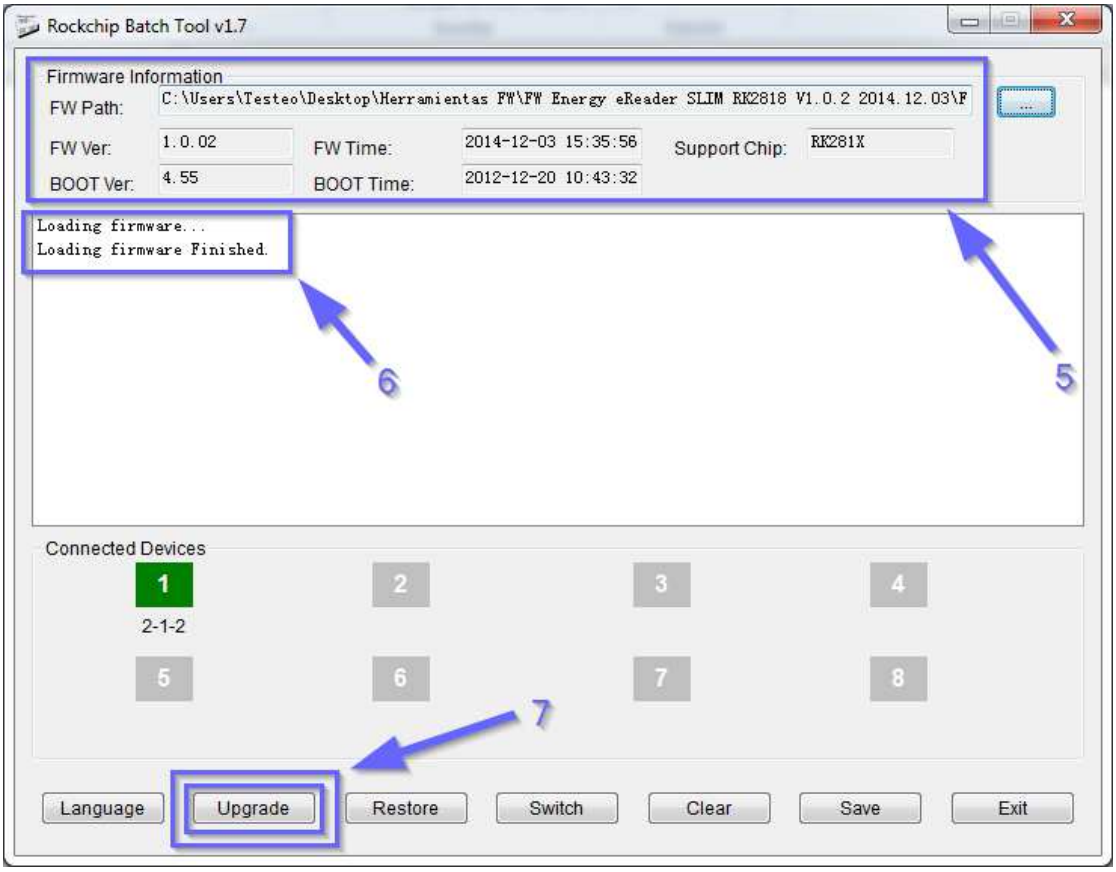
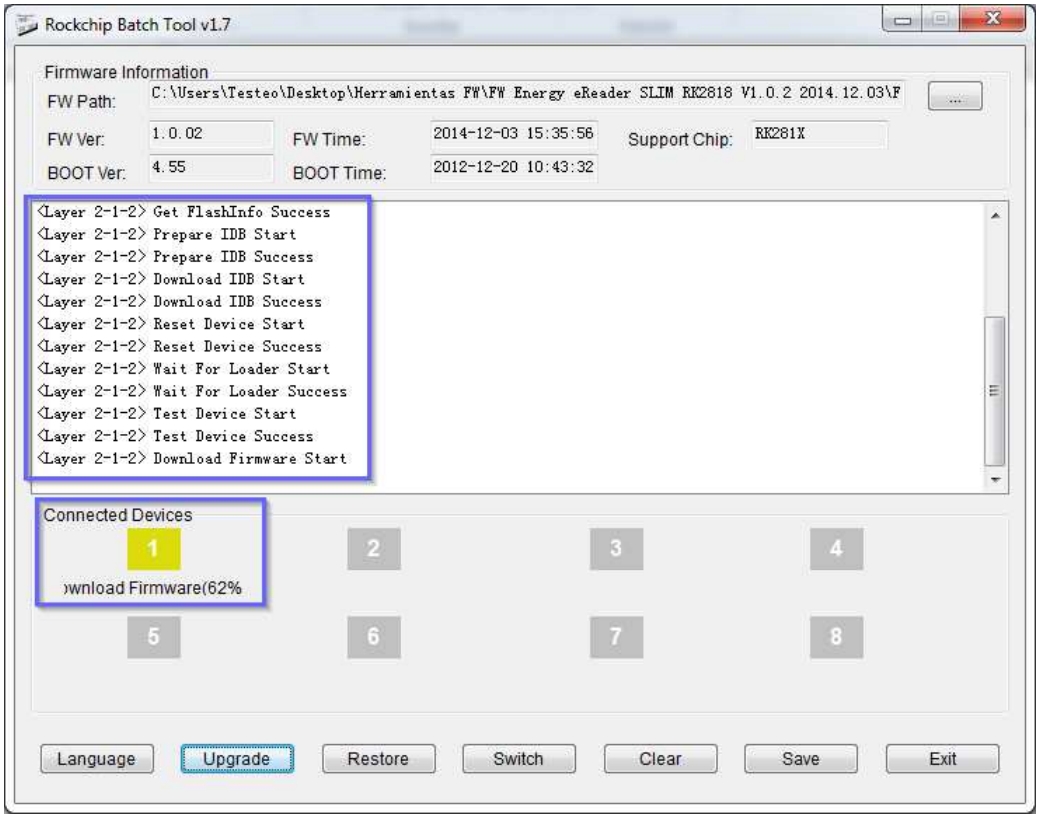


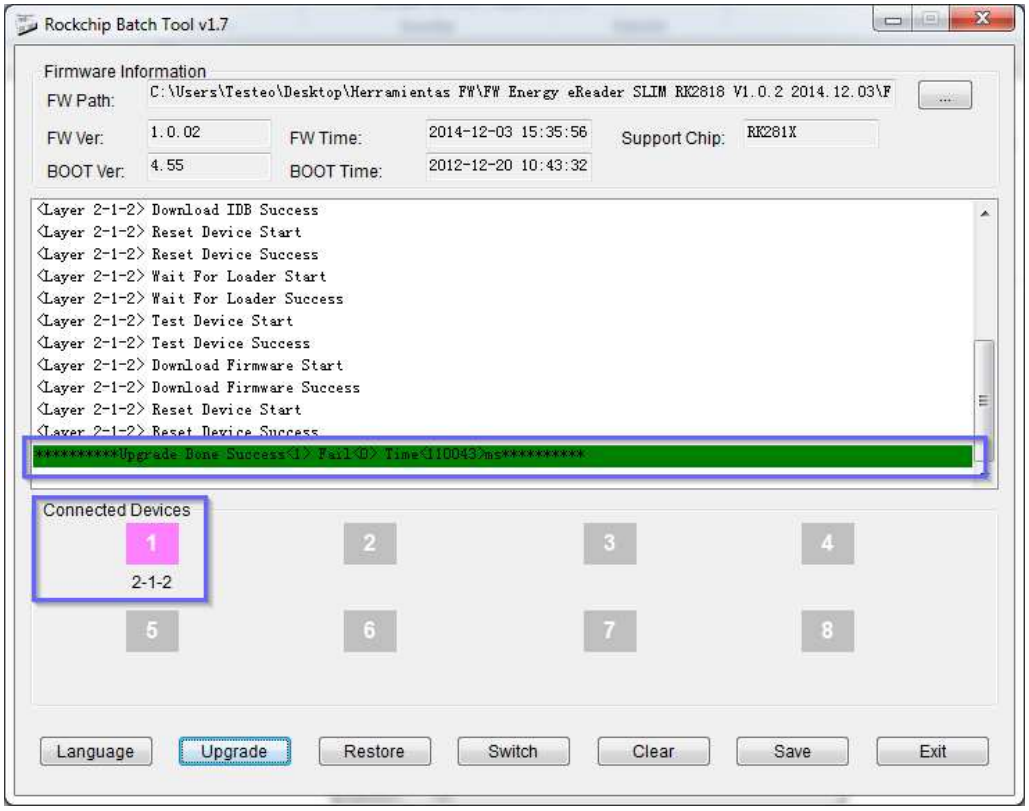
Step 5 and 6: We verify that the file (5) has been uploaded and that the following sentence appears: ***"Loading Firmware Finished"***. This shows that the file has been found and that is ready to be installed in the eReader.



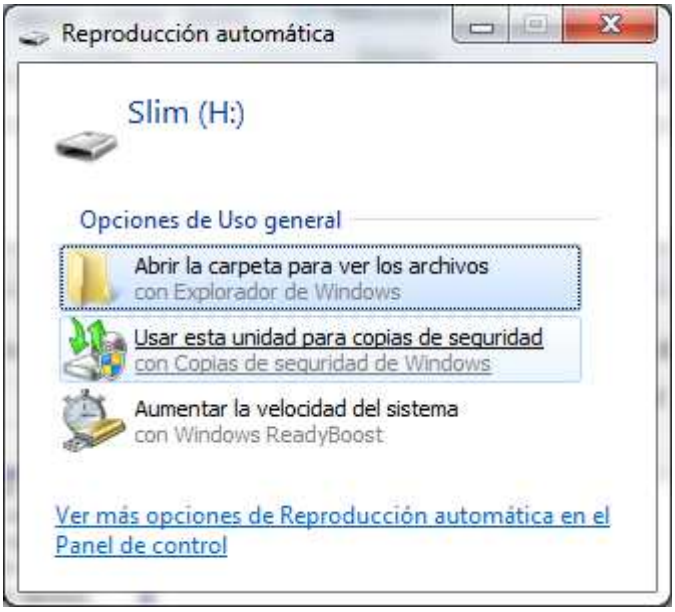
Step 7: **VERY IMPORTANT: We will only press the *"UPGRADE"* button**. Any other button can erase all information in our eReader. At this point, the indicator which was GREEN before will change to YELLOW and will start blinking. We will wait until the process is finished.



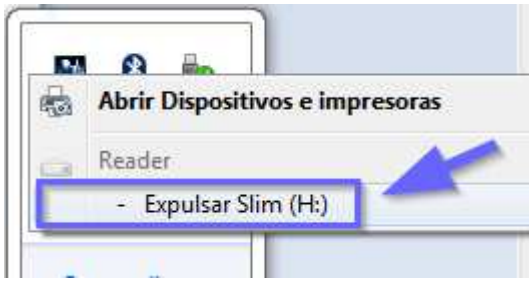
Step 8: If the process has been carried out correctly, the following sentence will appear in the message window: ***"Upgrade Done Success (1) Fail (0) Time (xxxxx)ms"*** and the indicator will be PINK once again.



The eReader will restart and *Windows* will detect it as usual. If we have the auto playlist enabled, a window like this one will appear and the process will have finished:



In order to disconnect the device, don't forget to use the "Safely remove USB" option. CONGRATULATIONS! You will have recovered your eReader successfully.



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