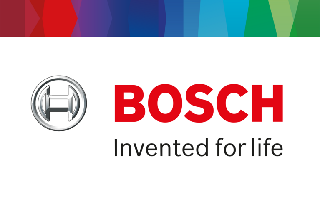
User’s Manual

EEPROM report generator



**User’s manual**

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**General information**

**1.1 System overview**

“EEPROM generator report” is a software which generates excel reports based on a container file provided by Bosch®.

**1.2 Organization of the manual**

The user’s manual consists of five sections: General information, System summary, Getting started, Using the system and System errors.

* **General information**: Explains in general terms the system and the purpose for which it is intended.
* **System summary**: Provides a general overview of the program. The summary outlines the system’s hardware and software requirements, system’s configuration, user access levels and system’s behavior in case of any contingencies.
* **Getting started**: Explains how to install the “EEPROM report generator”. This section presents the system menu and how it works.
* **Using the system**: Provides a detailed description of system functions.
* **System error:** Provides the most common set of errors that may occur during the navigation and how to solve them.

**System summary**

**2.1 System configuration**

“EEPROM report generator” operates on any personal computer with Python 3 and Windows operating system. It has not been compiled or executed in any other operating systems, like Linux or Macintosh.

The tool needs connection to the Internet in order to auto-install python libraries. After this, the application can be used without any further configuration.

**2.2 User access level**

Anyone can use the tool, but only Bosch® employees are able to exploit their features and understand them.

**2.3 Contingencies**

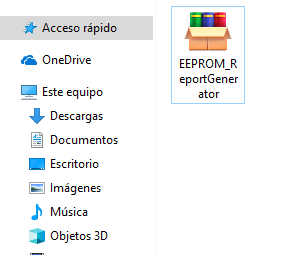
In the case of an error with python libraries, a command list for the prompt command line in Windows has been added to solve any trouble. You can access to this list in page 17, Section **5: System errors.**

In the case of any other contingencies not explained in this document, please contact to whom developed this tool (this information comes within the tool in help section)..

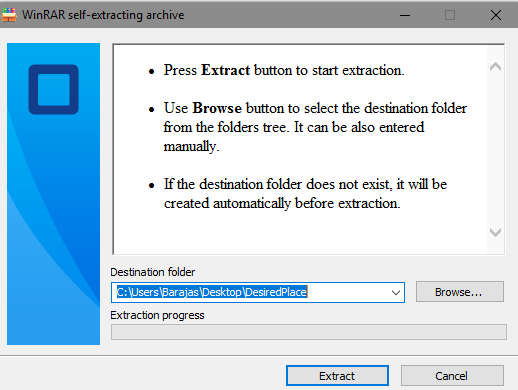
**Getting started**

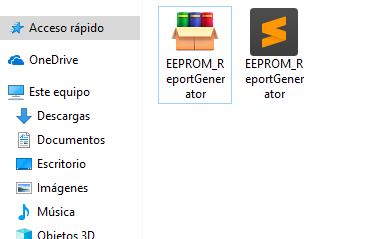
**3.1 Installation**

The file is called like shown in the following picture on Windows 10.



Once the file is put on a desired directory, by opening the file with WinRAR or any other program that can extract files, a window will appear to extract the python program, just click on the “Extract” button and the program is going to extract the needed files into a folder to run the main program.

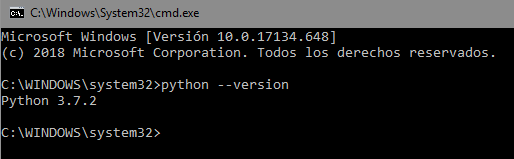




A second file named “EEPROM\_ReportGenerator.py” contains the main program. Now, the “EEPROM\_ReportGenerator.exe” file might be deleted or moved to another directory.

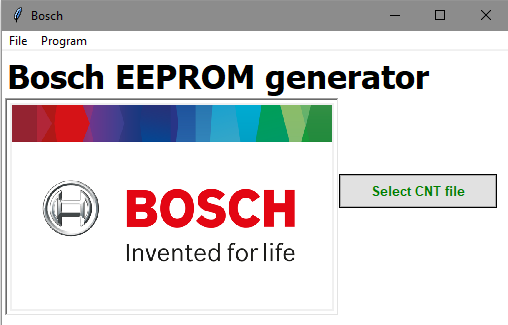
The only thing missing is to install Python 3.x.x which is available for free in https://www.python.org/downloads/. This manual is not intended to explain how to install this program, but the way to know if the host computer already has installed it correctly is by opening the command prompt from Windows 10 and typing the following command.

**python –version**



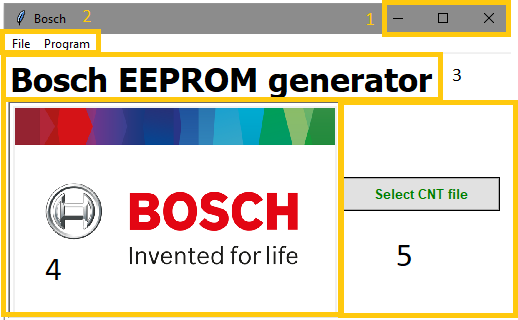
If the computer shows the message shown in the image above, it means that the computer can run the application and begin to use it. Just by clicking in the file “EEPROM\_ReportGenerator.py” the program will install the python libraries needed to make its work. In the case of any kind of error or bad working, the section **5: System** errors of this manual provides information regarding errors.

The programs menu looks like this:



**3.2 System menu**

The application is divided in five basic sections to interact with. The sections are presented in the next image.

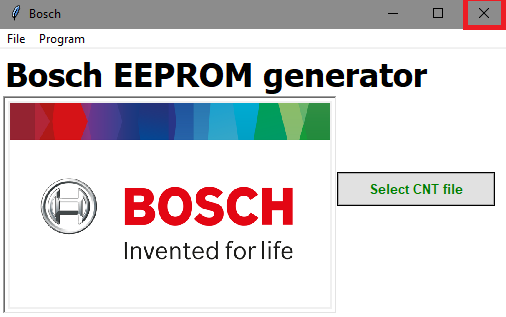


* The **first section** is used to minimize, expand/collapse and close the program.
* The **second section** provides the possibility to create new reports, close the program, safety, information about the developers and help.
* The **third section** provides information about the status of the program every time the user makes an action, like select a new CNT file, create a report, select a previous report, etc.
* The **fourth section** only displays the Bosch® logo.
* The **fifth section** contains the buttons to interact with the program. This section is the core of the program.

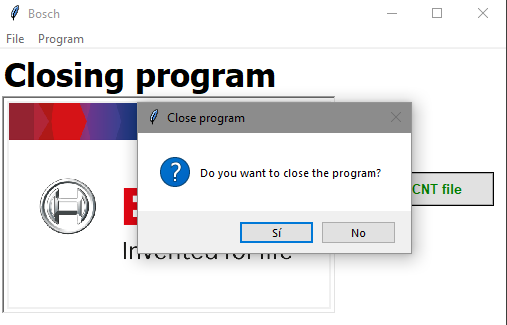
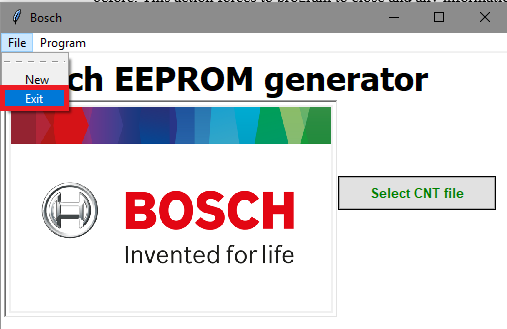
**3.3 Exit**

There are two ways to close the program:

* The first option is by closing the window directly from the section 1 explained before. This action forces to program to close and any information not saved before this action will be lost.



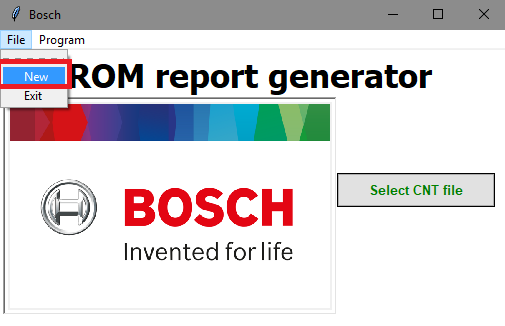
* The second option is through the tool bar options (second section explained below): File Exit. This option provides the possibility to ask whether you want to close the program over the risk of losing information.



**Using the system**

**4.1 New report**

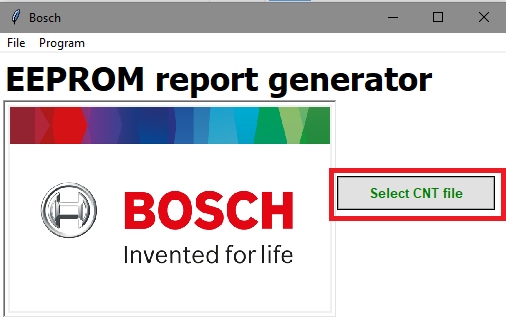
This function works as the initial state of the program. If the software has reached some state (“CNT file added” or “previous report added” mainly) and the user wants to delete everything done until that point without saving it, the user can click in “New” to restart the program.



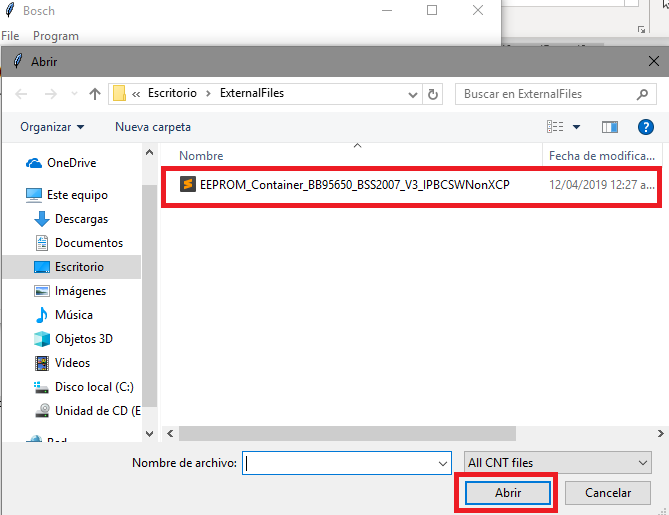
**4.2 Create a basic report**

A simple report is only generated based on a CNT file uploaded to the program and processed to get a XLSX file (Excel). The steps needed to create this simple report are explained below:

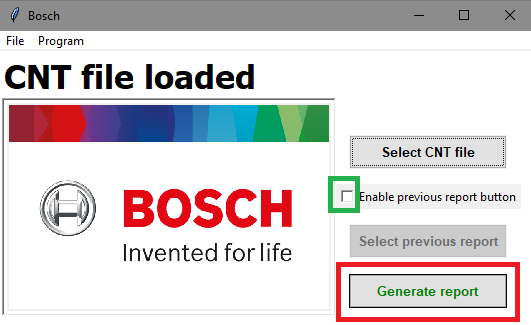
* Click on “Select CNT file” button to open a dialog box asking for the CNT file.



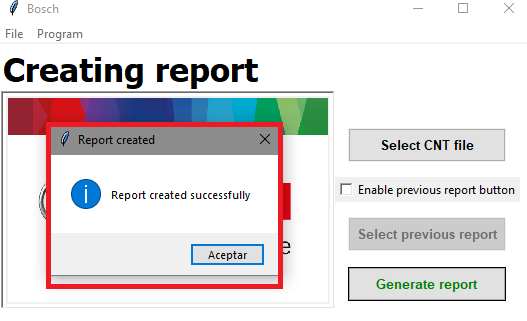
* Select the CNT file that is going to be processed and click on “Open” button to upload the file.



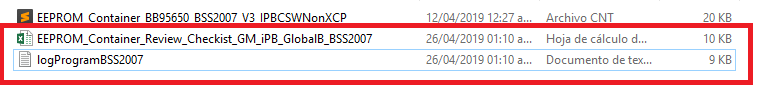
* It is going to display the “CNT file loaded” if the CNT file was successfully loaded. Make sure the check button is disabled in order to achieve this task. Then, click on “Generate Report” button to process the CNT file.



* If the process succeeds, a message box will appear. This notification is a signal of the completion of the process.



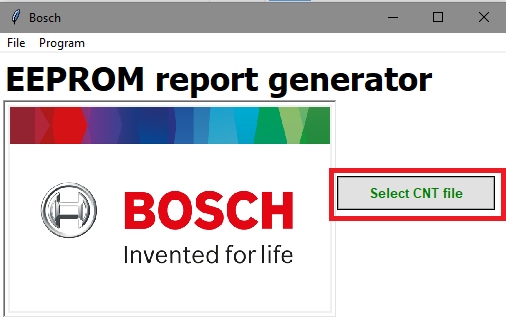
* The output files are going to be generated in the same path as the CNT file.



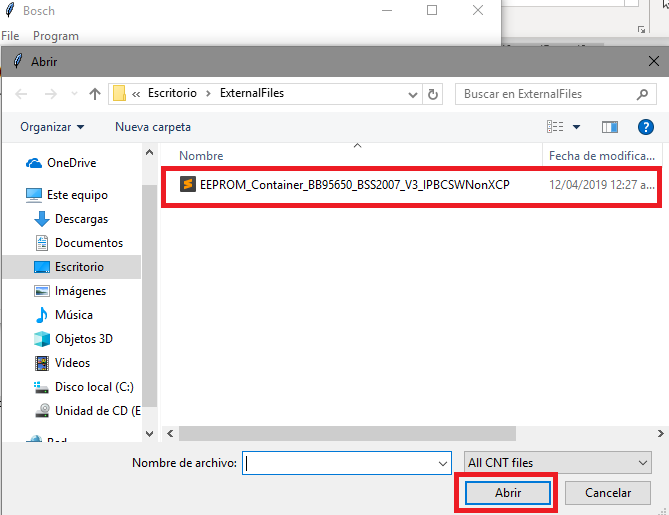
**4.3 Create a report based on a previous report**

A report based on a previous report follow the same logic as the previous method. The difference is the check box that was avoided previously.

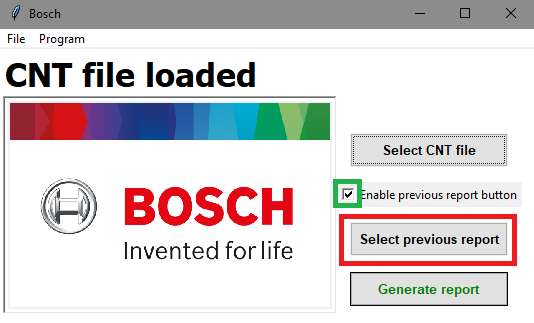
* Click on “Select CNT file” button to open a dialog box asking for the CNT file.



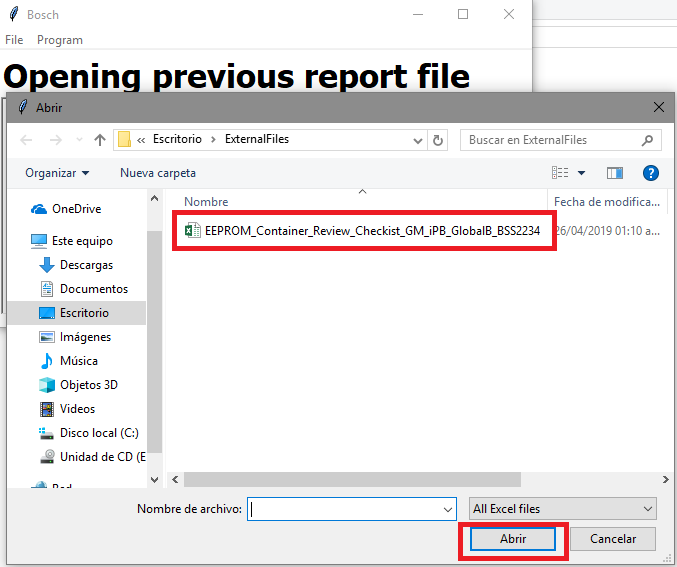
* Select the CNT file that is going to be processed and click on “Open” button to upload the file.



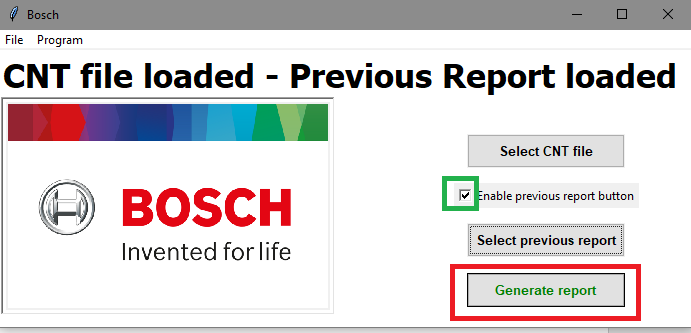
* Enable the check button and click on “Select previous report” button to open a dialog box asking for the previous report file.



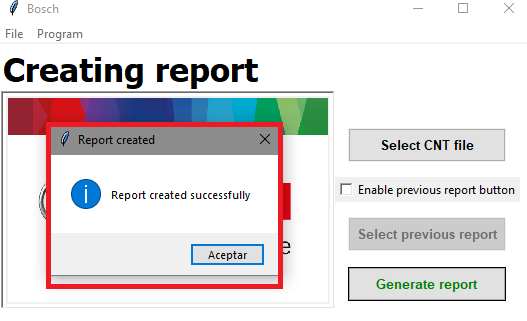
* Select the Excel file that is going to be processed as previous report and click on “Open” button to upload the file.



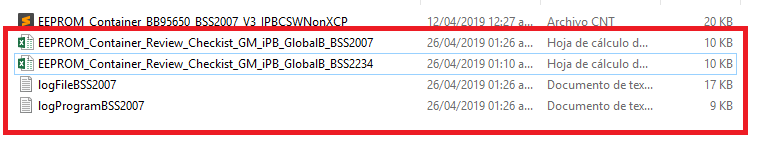
* It is going to display the “CNT file loaded – Previous Report loaded” message if the previous excel file was successfully loaded. Then, click on “Generate Report” button to process the CNT file and the previous report. Make sure the check button is enabled otherwise, a simple report is going to be generated.



* If the report was successfully created, a message box will appear. This notification is a signal of a complete process.

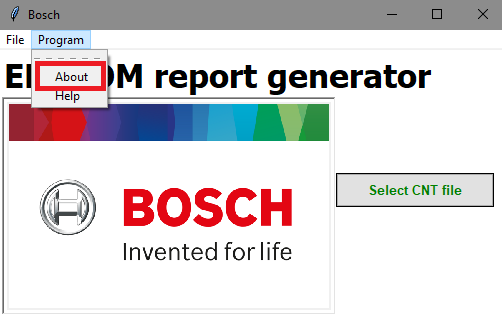


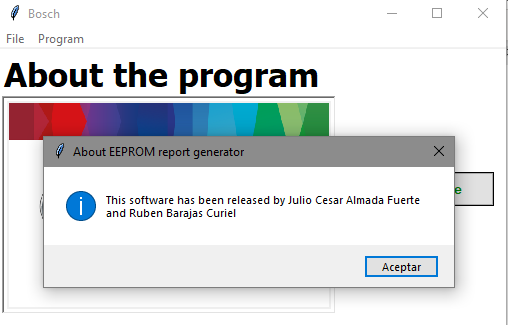
* The output files are going to be generated in the same path as the CNT file.



**4.4 About the program**

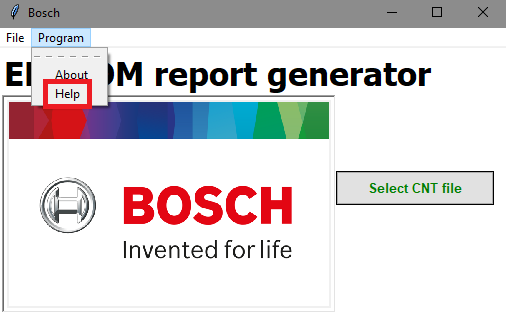
This section provides information about the developers.

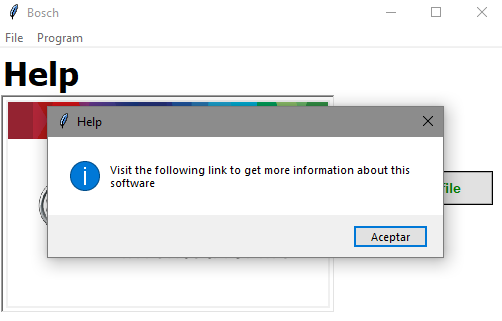




**4.5 Help**

This section provides information about help.





**System errors**

**5.1 Installation**

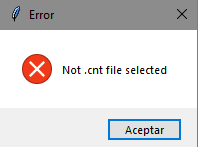
No problems documented yet.

**5.2 Python libraries**

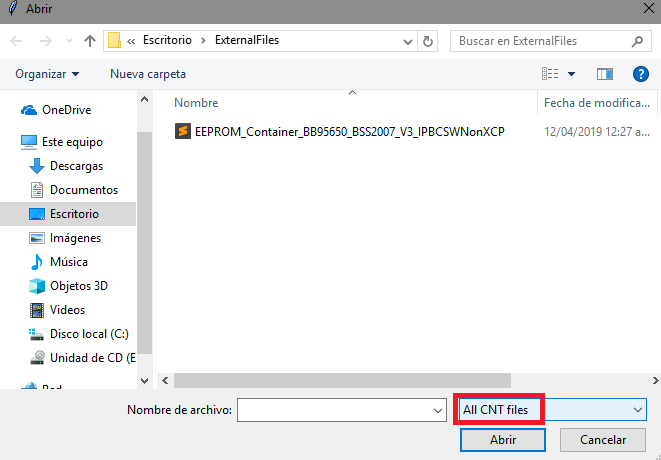
No problems documented yet.

**5.3 Program**

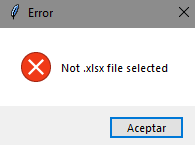
* **Error001: Not .cnt file selected.**



This happens when the dialog box chooses a file that is not a CNT file. To make sure the dialog box selects a single CNT file only make sure the combo box is set as “All CNT files”.



* **Error002: Not .xlsx file selected.**



This happens when the dialog box chooses a file that is not a XLSX file. To make sure the dialog box selects a single XLSX file only make sure the combo box is set to “All Excel files”.

