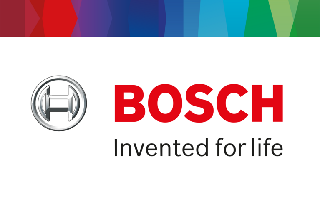
User’s Manual

EEPROM report generator



**User’s manual**

**Table of content**

Page

1 - General information

1.1 – System overview --------------------------------------------- 3

1.2 – Organization of the manual ------------------------------------ 3

2 - System summary

2.1 – System configuration --------------------------------------------- 4

2.2 – User access levels --------------------------------------------- 4

2.3 – Contingencies ------------------------------------------------------ 4

3 – Getting started

3.1 – Installation ------------------------------------------------------ 5

3.2 – System menu ------------------------------------------------------ 7

3.3 – Exit --------------------------------------------------------------- 8

4 – Using the system

4.1 – New Report ------------------------------------------------------ 9

4.2 – Basic Report ------------------------------------------------------ 9

4.3 – Based on previous report ------------------------------------ 11

4.4 – About the program ------------------------------------ 14

4.5 – Help --------------------------------------------------------------- 15

5.- System errors

5.1 – Installation ----------------------------------------------------- - 17

5.2 – Python libraries ------------------------------------------------------ 17

5.3 – Program ------------------------------------------------------ 17

**General information**

**1.1 System overview**

“EEPROM generator report” is a software which allows generate 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** section explains in general terms the system and the purpose for which it is intended.
* **System summary** section provides a general overview of the toll. 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** section explains how to install “EEPROM generator report”. This section presents briefly system menu.
* **Using the system** section provides a detailed description of system functions.
* **System error** provides the most common set of errors may occur during the navigation and how to solve them.

**System summary**

**2.1 System configuration**

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

The tool needs connection to Internet in order to auto install python libraries but after that, the application can be used immediately without any further configuration.

**2.2 User access level**

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

**2.3 Contingencies**

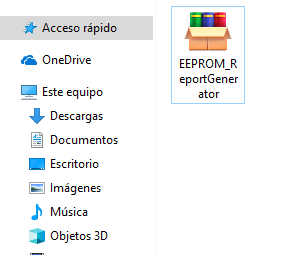
In the case of error with python libraries, a command list for the prompt command line in Windows has been added to solve any trouble. You can access to this list in page xx section xx.

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)..

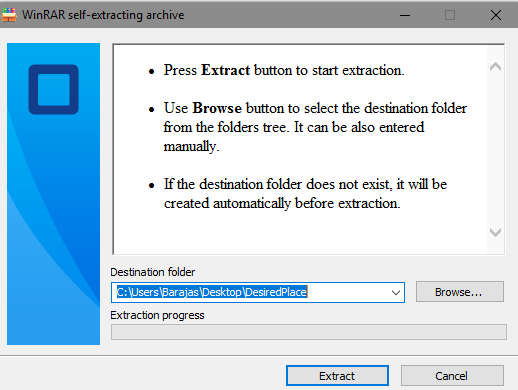
**Getting started**

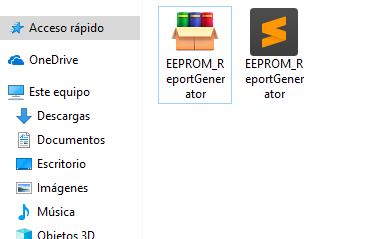
**3.1 Installation**

The first view of the file looks like the following picture in Windows 10.



Once the file is put in a desired directory, by opening the file a window appears to extract the python program, just click in “Extract” option and the installer is going to extract the needed files to run the main program.

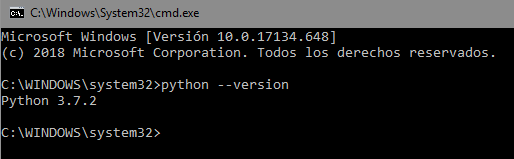




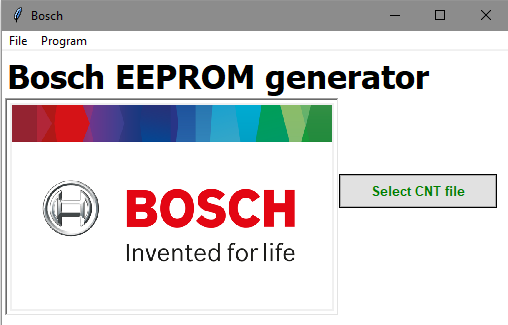
A second file named “EEPROM\_ReportGenerator.py” contains the main program. Now, the “EEPROM\_ReportGenerator.exe” file might be deleted or moved to another directory.

The only one 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 installed it correctly is by opening CMD program from Windows 10 and typing the following command.

**python –version**

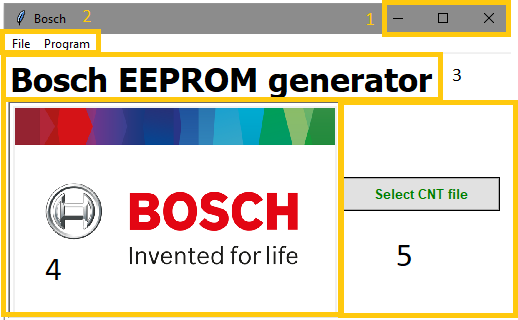


If the computer reaches at this point means that it is able to run the application and begin to use it. Just by clicking in the file “EEPROM\_ReportGenerator.py” the program will install the python libraries needed to make its work. In the case of any kind of error or bad working, the section X of this manual provides information about it. The first view of the program looks like this:



**3.2 System menu**

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

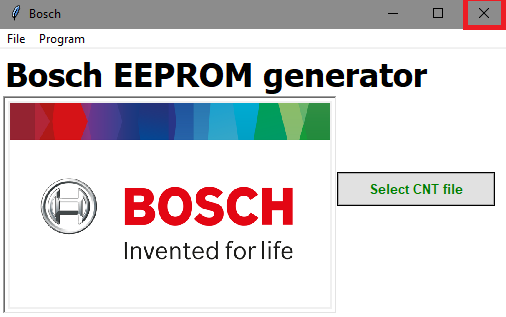


* The **first section** is used to minimize, expand/collapse and close the program.
* The **second section** provides the possibility to create new reports, close the program safety, information about the developers and get help.
* The **third section** provides information about the status of the program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

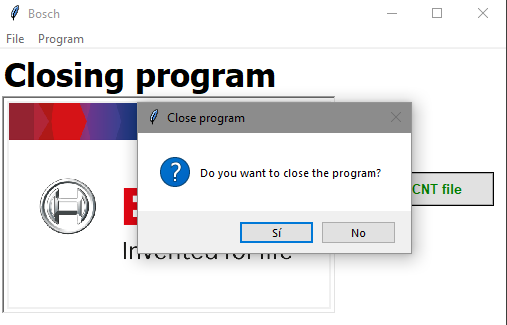
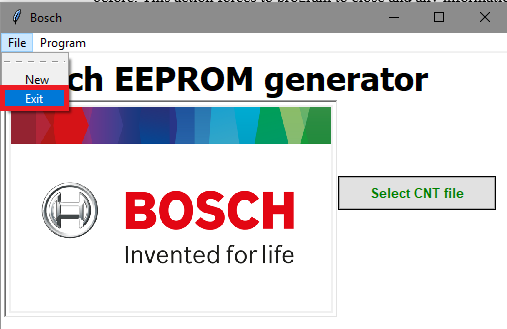
**3.3 Exit**

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.



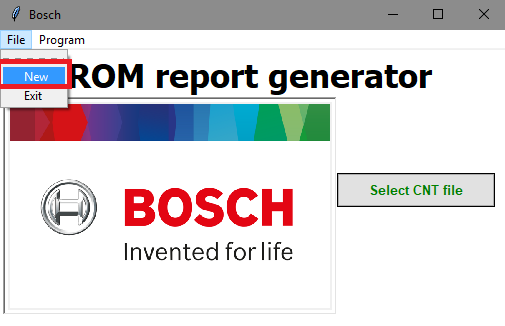
* The second option is through the tool bar options (second section explained above): File Exit. This option provides the possibility to ask whether you want to close the program over your own risk of losing information.



**Using the system**

**4.1 New report**

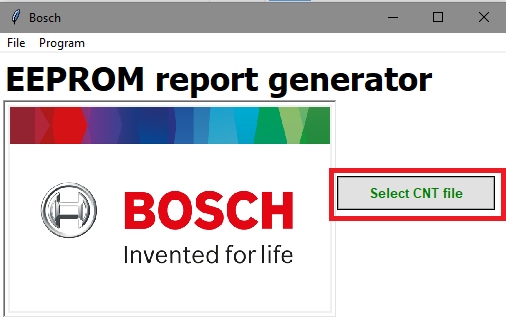
This function works as the initial state of the program. If the software has reached some state (CNT file added or previous report added mainly) and the user want to delete everything without saving it, by clicking in “New Report” the program will restart.



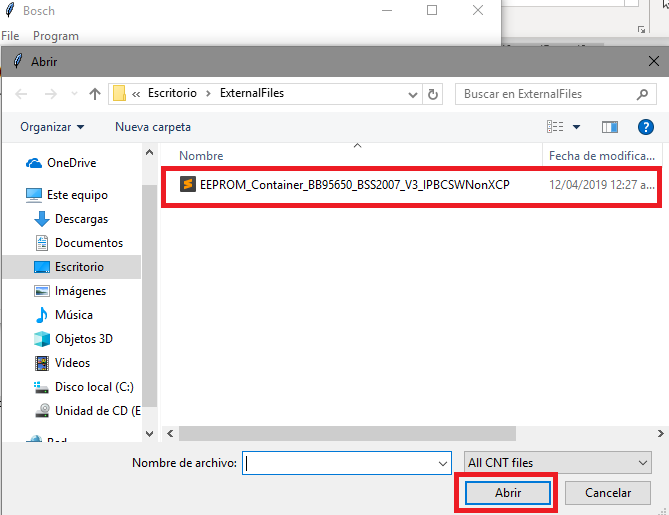
**4.2 Create a basic report**

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

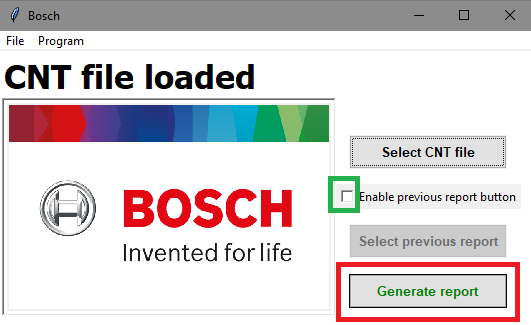
* Click on “Select CNT file” button to open a dialog box asking for the CNT file.



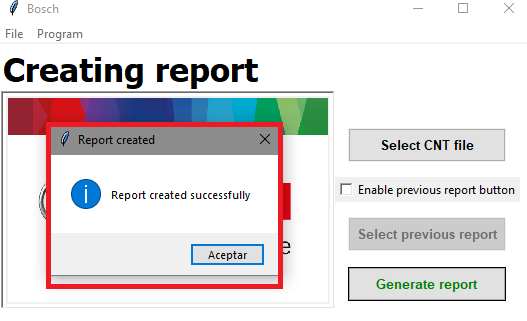
* Select the CNT file that is going to be processed and click on “Open” button to upload the file.



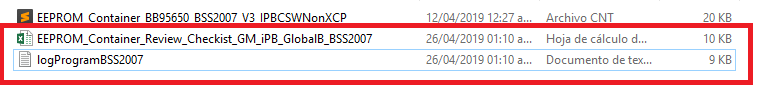
* Then, click on “Generate Report” button to process the CNT file. Makes sure the check button is disabled in order to achieve this task. It is very well known that a simple report is going to be generated if the label shows the following text: “CNT file loaded”.



* If the software success, a message box will appear. This notification is a signal of a complete process.



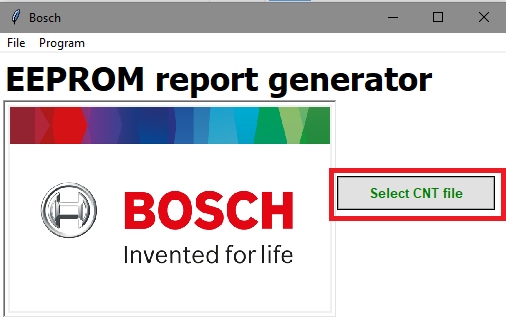
* The output files are going to be generated in the same path as the CNT file.



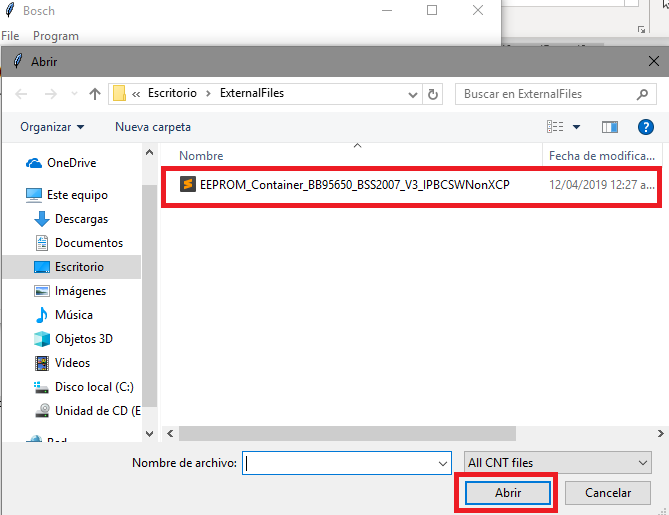
**4.3 Create a report based on previous report**

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

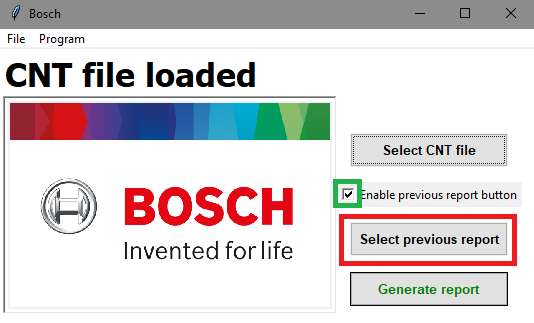
* Click on “Select CNT file” button to open a dialog box asking for the CNT file.



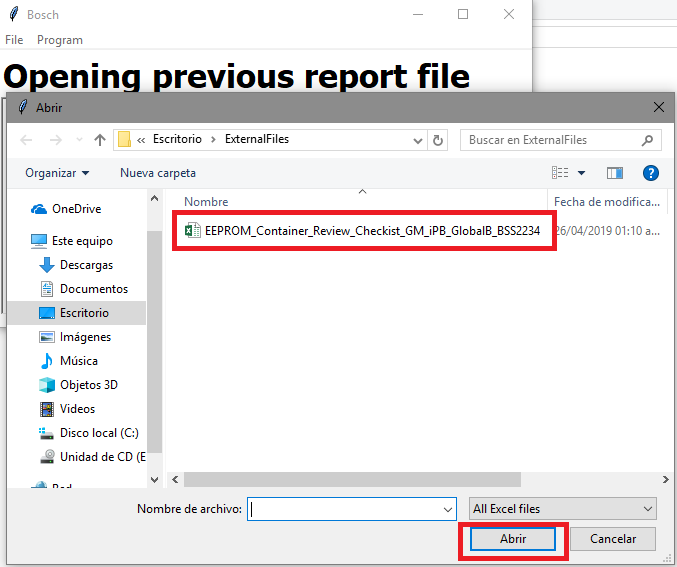
* Select the CNT file that is going to be processed and click on “Open” button to upload the file.



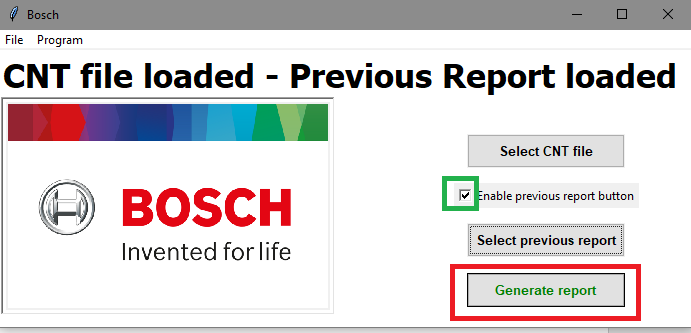
* Enable the check button and click on “Select previous report” button to open a dialog box asking for the previous report file.



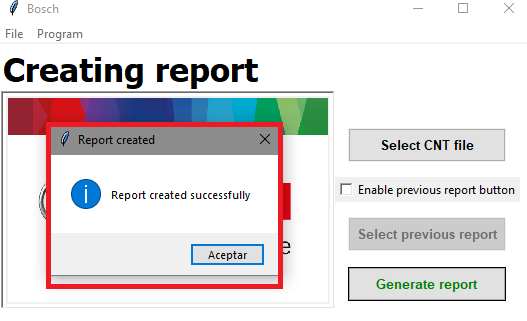
* Select the Excel file that is going to be processed as previous report and click on “Open” button to upload the file.



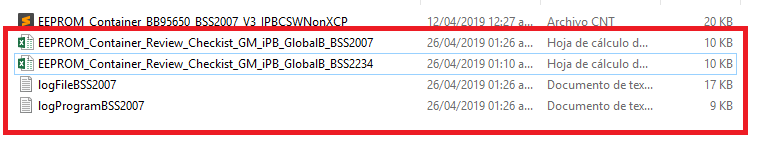
* Then, click on “Generate Report” button to process the CNT file and the previous report. Makes sure the check button is enabled otherwise, a simple report is going to be generated. It is very well known that the task is going to be processed if the label shows the following text: “CNT file loaded – Previous Report loaded”.



* If the software success, a message box will appear. This notification is a signal of a complete process.

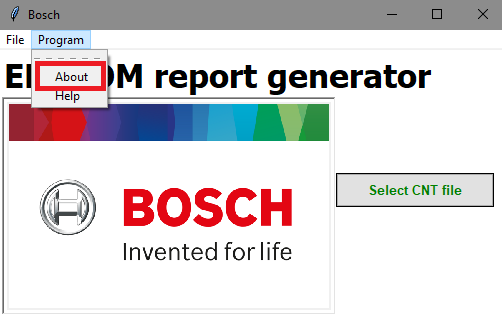


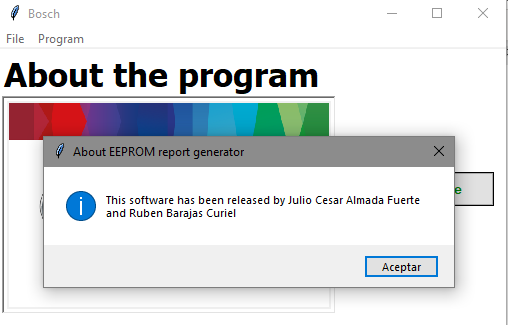
* The output files are going to be generated in the same path as the CNT file.



**4.4 About the program**

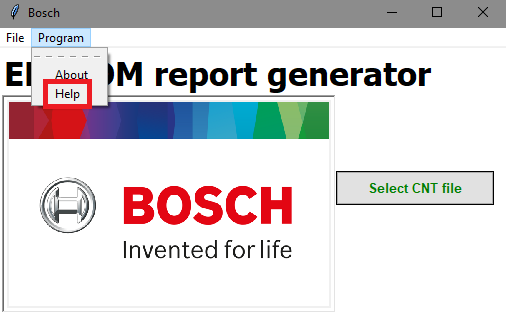
This section provides information about the developers.

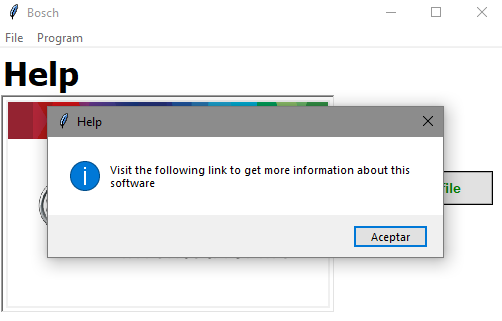




**4.5 Help**

This section provides information about help.





**System errors**

**5.1 Installation**

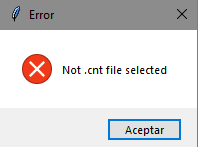
No problems documented yet.

**5.2 Python libraries**

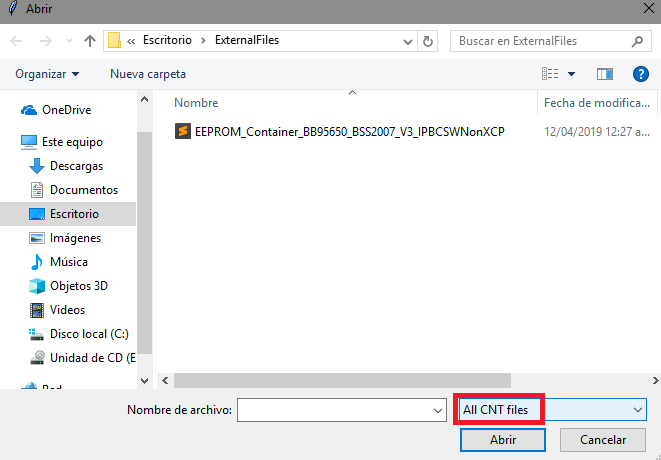
No problems documented yet.

**5.3 Program**

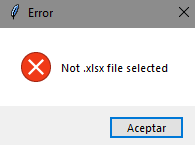
* **Error001: Not .cnt file selected.**



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 sets in “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 sets in “All Excel files”.

