



Smart-Control Box: Upload Download Tool User Manual V1.0B

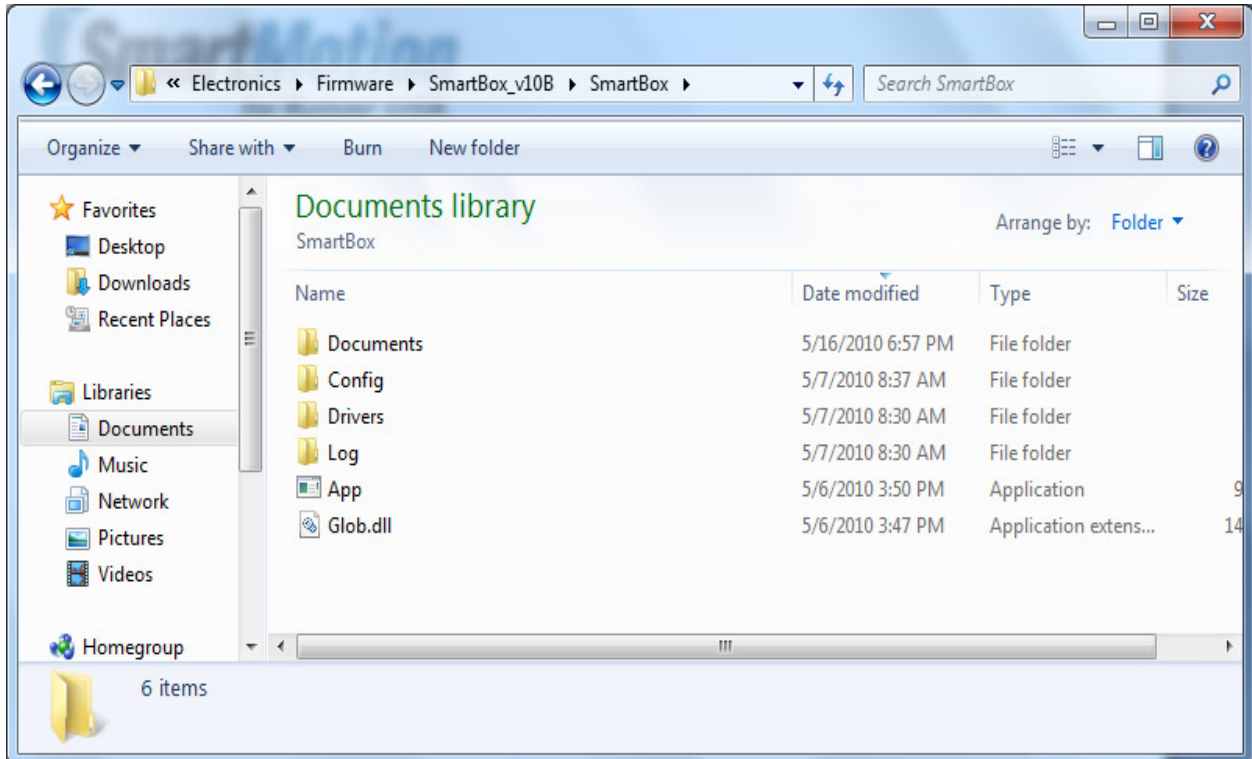
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1.1 Installation

To use the application unzip the contents of the zip file to desired location. Below is an example of the unzipped files. For ease of use, create a short cut on your desktop to the file listed below "App.exe".

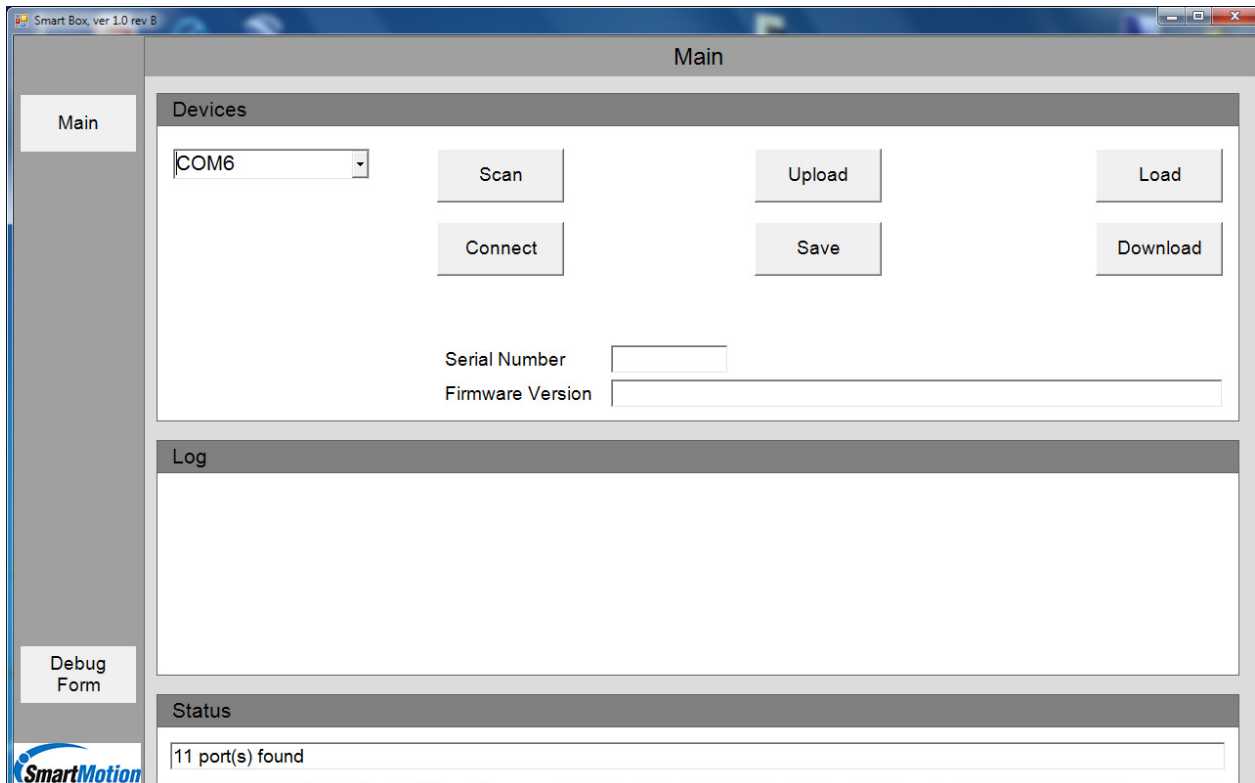


Before starting the application, connect the smart box to the computer with a USB cable and power up the smart box from the tool controller. If USB drivers are not present on the PC the first time the smart box is connected the Windows will display the prompt to install the drivers. Follow the prompt and install drivers from Drivers subfolder. Once the drivers have been completely installed, start the application file, APP.exe.



1.2 Introduction

When first starting the Upload/Download application, the main screen will appear. Below is a summary description of the Main screen functions.



DEVICES: List of available ports on PC

SCAN: Populate the “Devices” box with all the ports found on the connected PC

CONNECT: Connect to the selected Smart box.

UPLOAD: Load recipes from connected Smart Control box to PC memory

SAVE: Save loaded files from Smart Control box to hard drive on PC

LOAD: Load a recipe file from PC hard drive to memory

DOWNLOAD: Download loaded recipes from PC memory to Smart Control Box

SERIAL NUMBER: Serial number of connected Smart Control Box

FIRMWARE REVISION: Firmware revision of connected Smart Control Box.

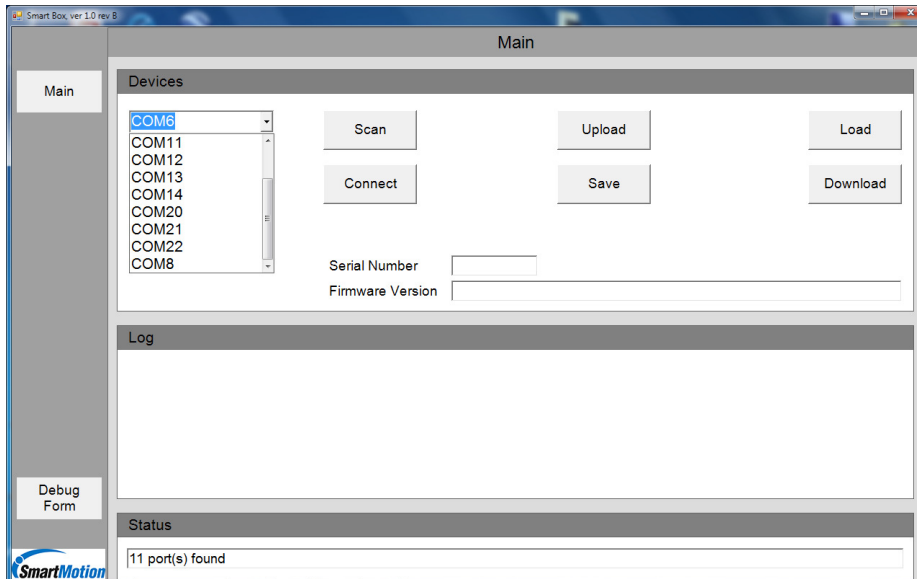
STATUS: Displays information about the connected device.

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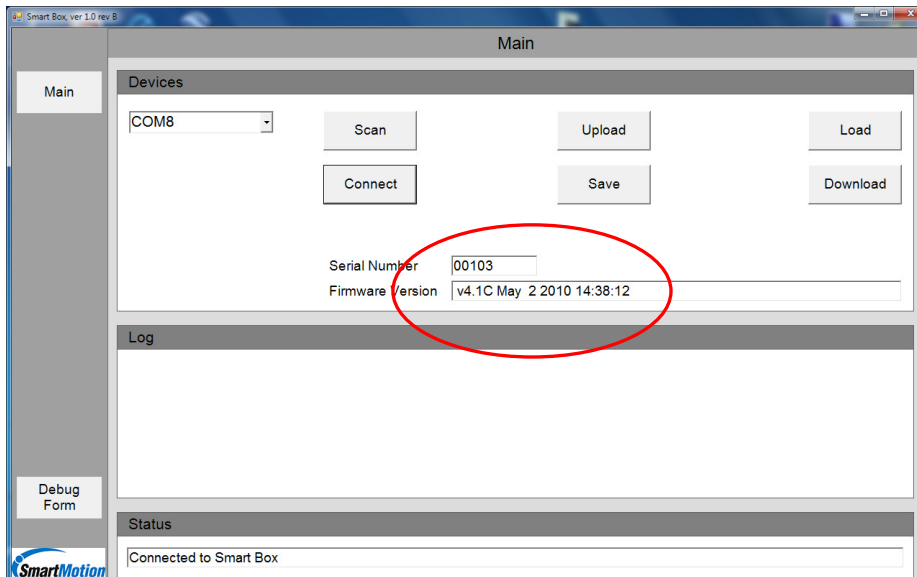


1.3 Connecting to Smart Box

Prior to connecting to the Smart Control Box, press the SCAN button. This will populate the Devices window with the available com ports on the PC. Note: The Upload Download software uses a USB to serial conversion, the last com port on the list is usually the connected Smart Control box. To connect to smart box, select the port number in Devices pull down window and press the CONNECT button.



The software will connect to the Smart Control box and the information will be displayed on the screen as seen below.

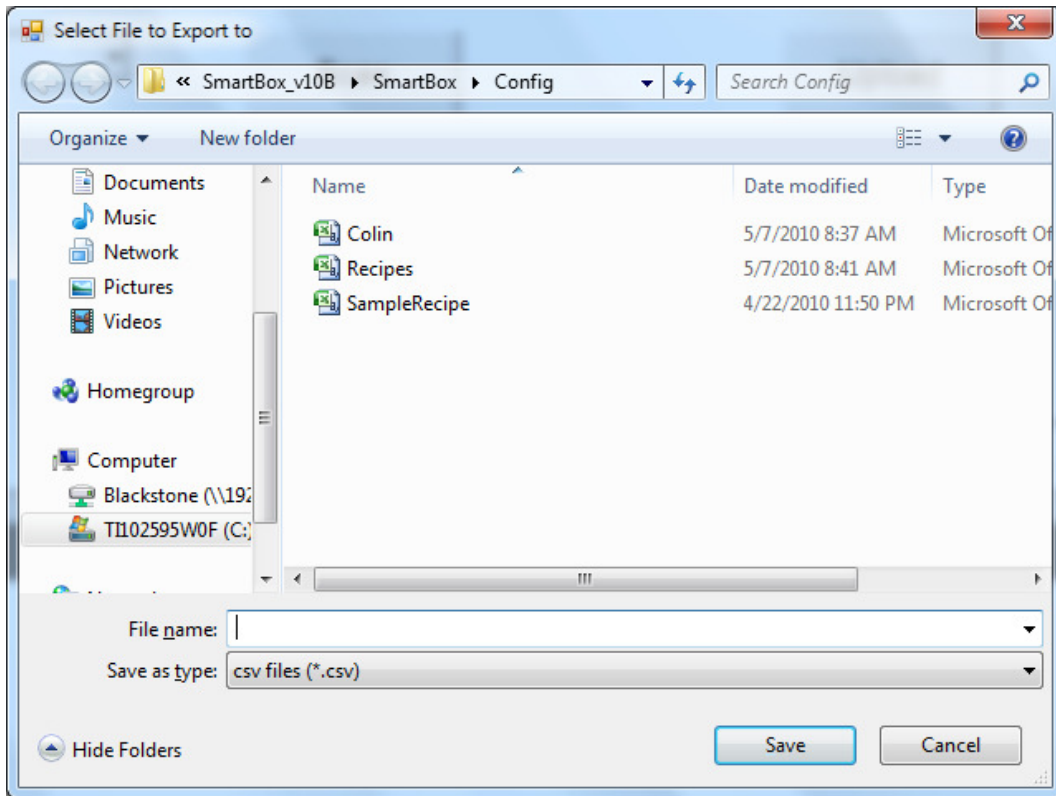


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1.4 Uploading and Saving

Once connected, all recipes can be uploaded from the Smart Control box to the PC memory by pressing the UPLOAD button. This will read all the current recipes in the connected Smart Control box. The reading of all the recipes will be seen in the STATUS line at the bottom of the screen. Once all the recipes have been loaded, it is possible to save the recipe file to the hard drive on the PC by selecting the SAVE button. Select the destination for the file as seen in the screen capture below:



The file will be saved on the hard drive in a .csv format which can be easily viewed in Microsoft Excel.



1.5 Load and Download Recipes

Press the LOAD button to load stored recipes from a file on the PC. Application will prompt to select the file and load the file information to PC memory. Please make sure that the file loaded is a valid recipe .csv file or problems may occur. To download the currently loaded recipes to the Smart Control box, press the DOWNLOAD button. The process of downloading will be displayed in the Status window..