



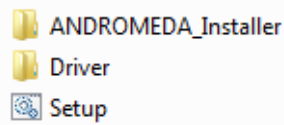
Andromeda Operating and installation guide

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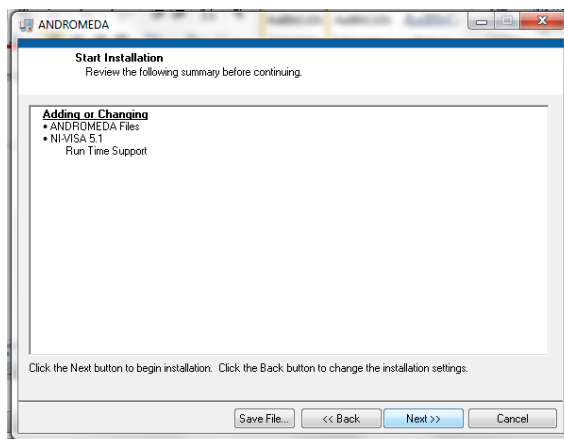
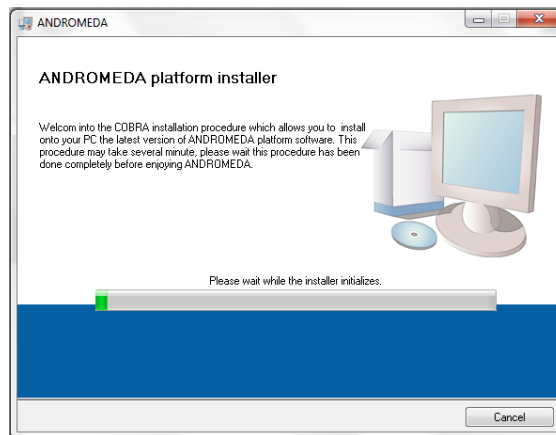
1. Introduction
Andromeda is a software which allow you to program the CAN/PLIP applications, store the remote controls and driver cards, configure the functionalities of Cobra alarm systems and update the software of the 5365 sirens. Andromeda includes a wide range of applications for all the vehicle equipped with CAN network. It also allows you to program the alarm system in PLIP configuration when the CAN application is not available. Andromeda configures the functionalities of the alarm system in according to customer requests.
2. Andromeda software installation
Insert the CD supplied with the Data Linker kit, open the Andromeda folder, click on "Setup" one time and then click on it with the right pushbutton of the mouse and launch the installation "As Administrator". Note: during the Andromeda installation will be installed also the Data Linker drivers.
3. Andromeda software updating
Andromeda automatically updates after having launched it if the Internet connection is available.
4. Data Linker connection
After having installed Andromeda, insert the Data Linker in the computer USB port. Connect to the Data Linker the specific wiring harness of the system to be programmed or configured. Connect the power supply to the wiring harness. Connect the wiring harness to the system. Warning: (The power supply and the wiring harness are not included in the Data Linker kit, but they are supplied separately. If you have the Morpheus Data Linker power supply, inside the kit you will find the instructions and the accessories bag to use it).

2. Andromeda software installation

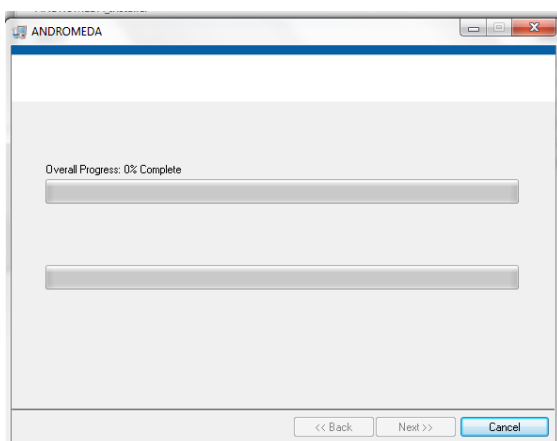


Insert the CD, open the Andromeda folder, click on “Setup” one time and then click on it with the right pushbutton of the mouse and launch the installation “As Administrator”.

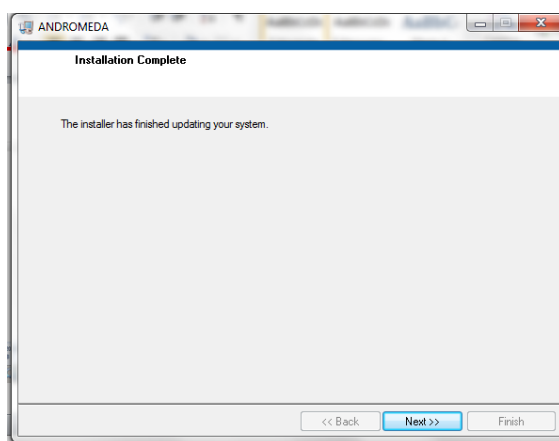
Note: during the Andromeda installation will be installed also the Data Linker drivers.

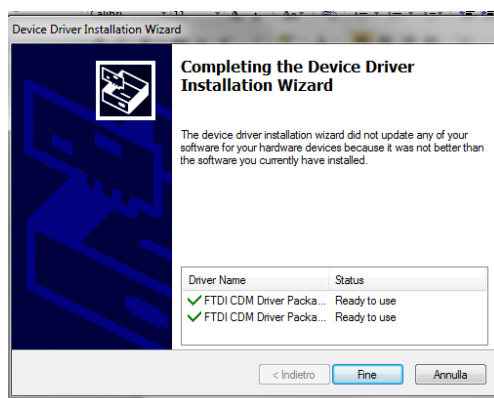
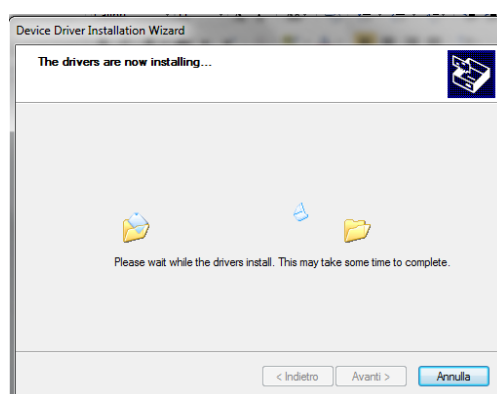
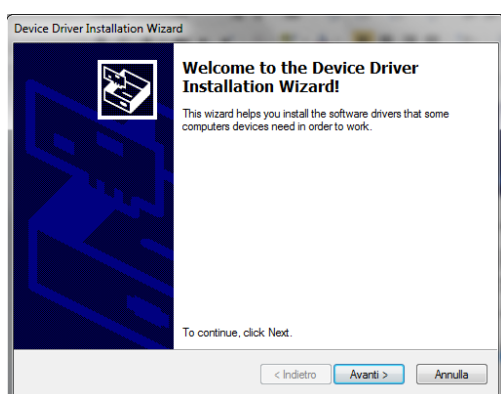
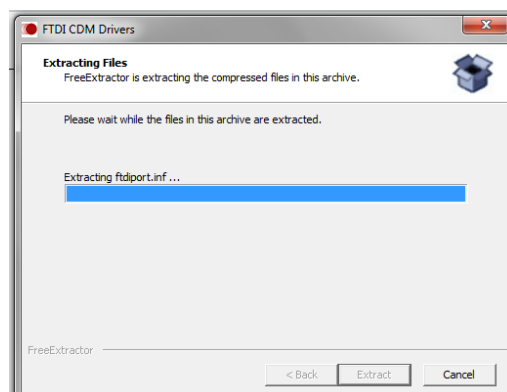
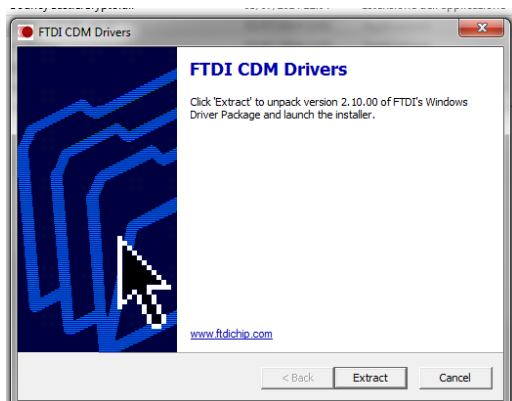


Click on “Next” to continue



Click on “Next” to continue





The Andromeda installation will be completed at the closing of this dialog-box. Take care to consult the "operating guide" for the correct use of Andromeda.

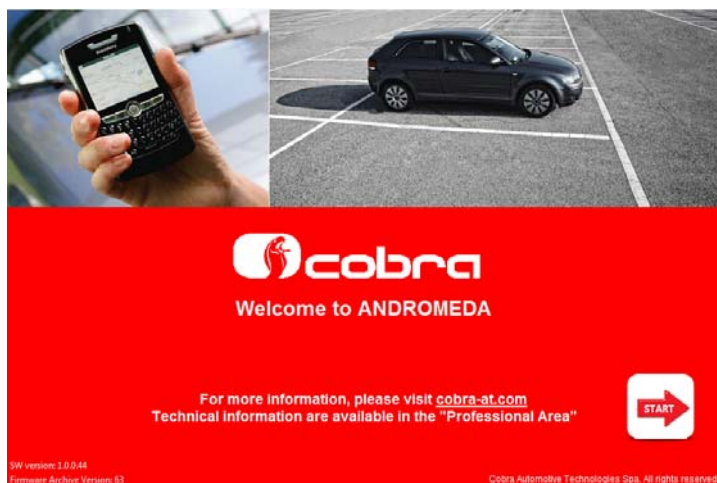
2. Andromeda updating



When it is launched, Andromeda automatically verifies if any updates are available. Click “Yes” to download them.



Click “Ok” to carry out the updating installation. After that Andromeda will close.



Relaunch Andromeda by clicking on the available icon on the desktop.

5. Operating guide

5.1 Firmware updating

Launch Andromeda by clicking on the available icon on the desktop.

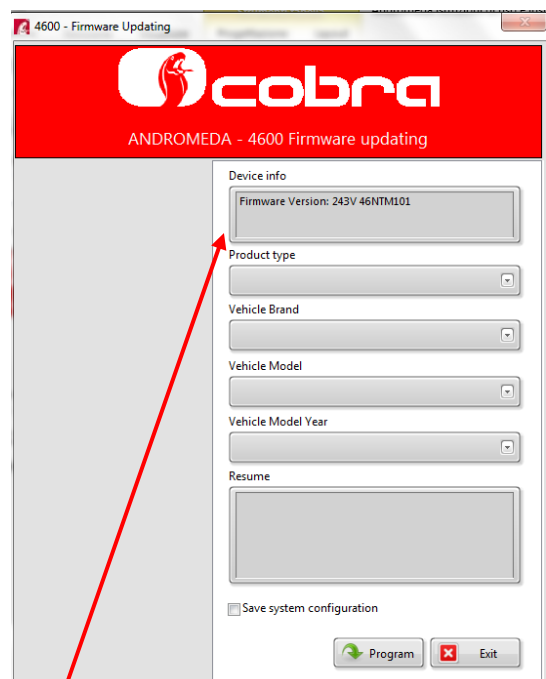


It appears the welcome page, click on "Start" to continue.

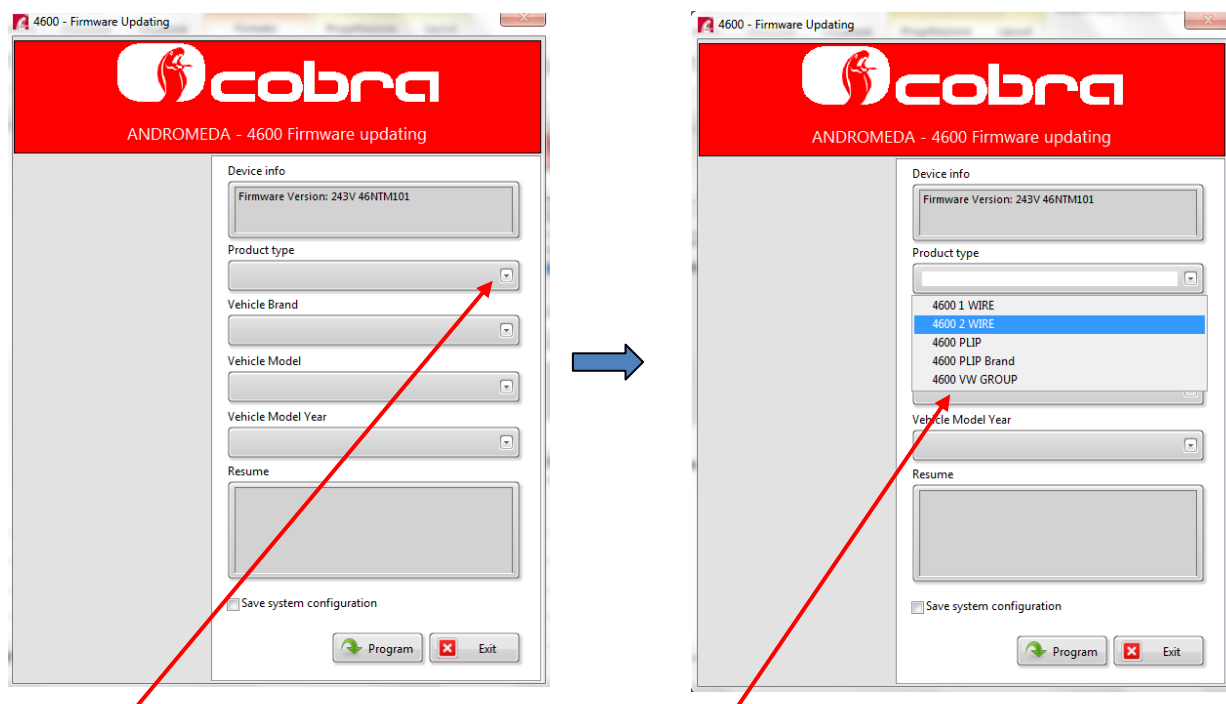




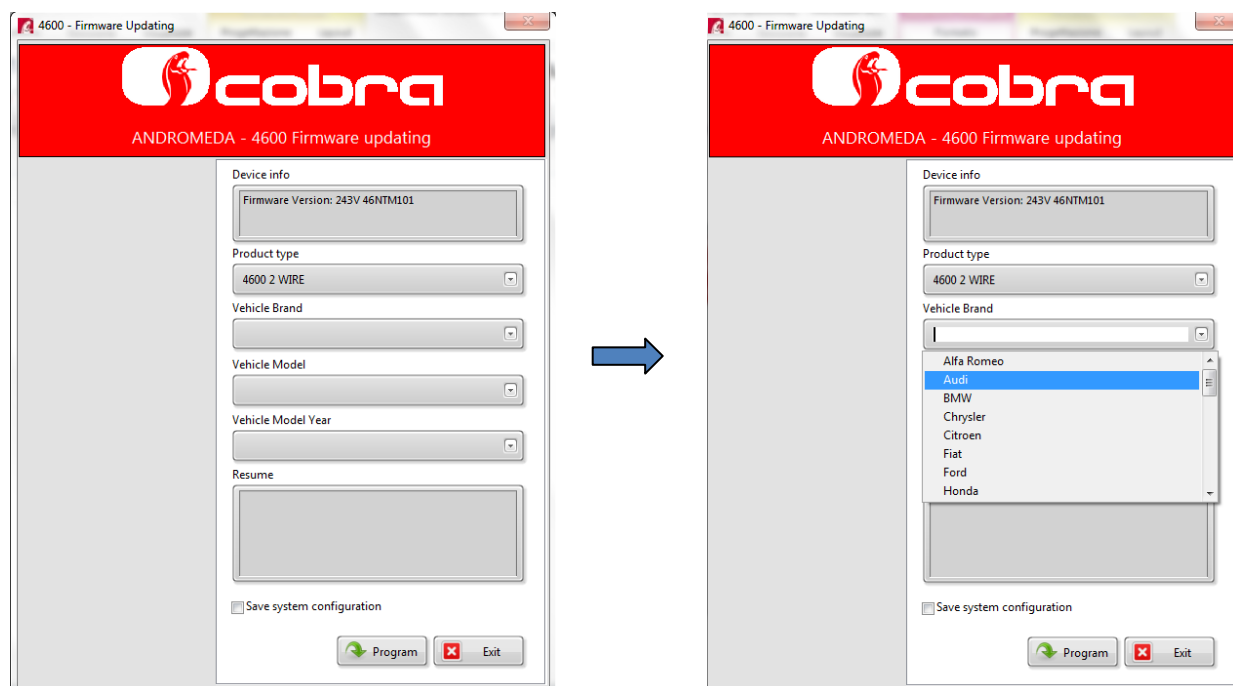
Click on “Firmware updating” to update the application software of the system



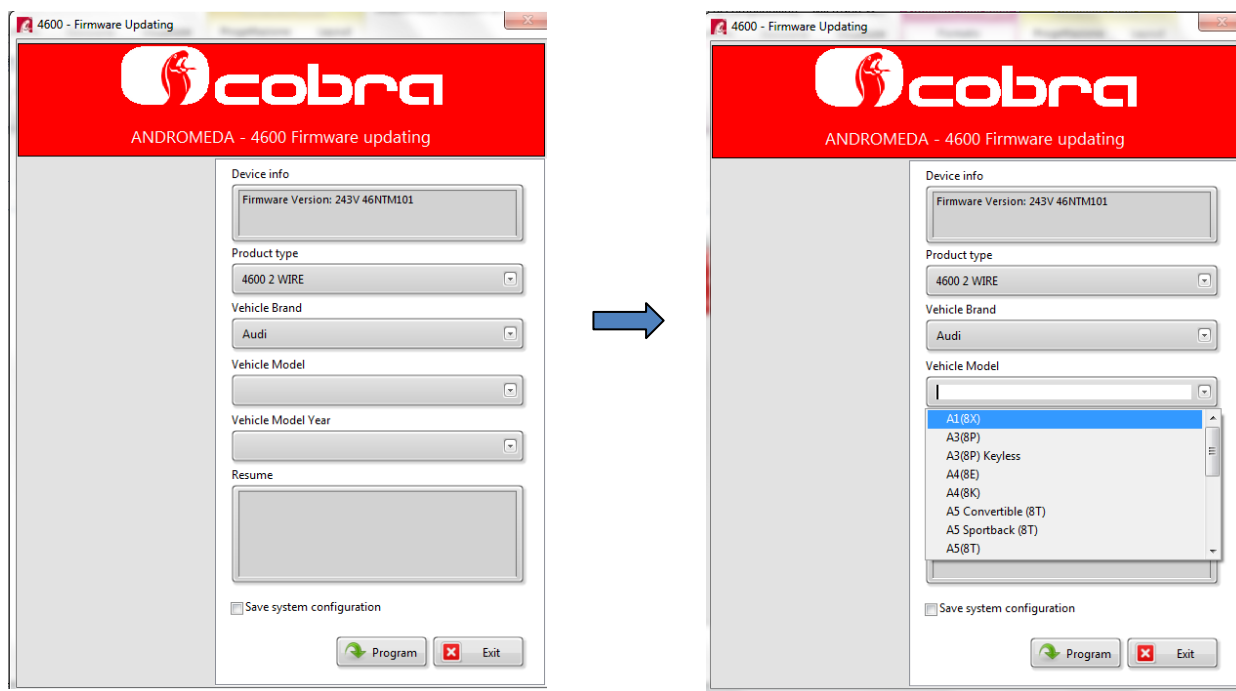
Andromeda searches the device and identifies the firmware version previously programmed.



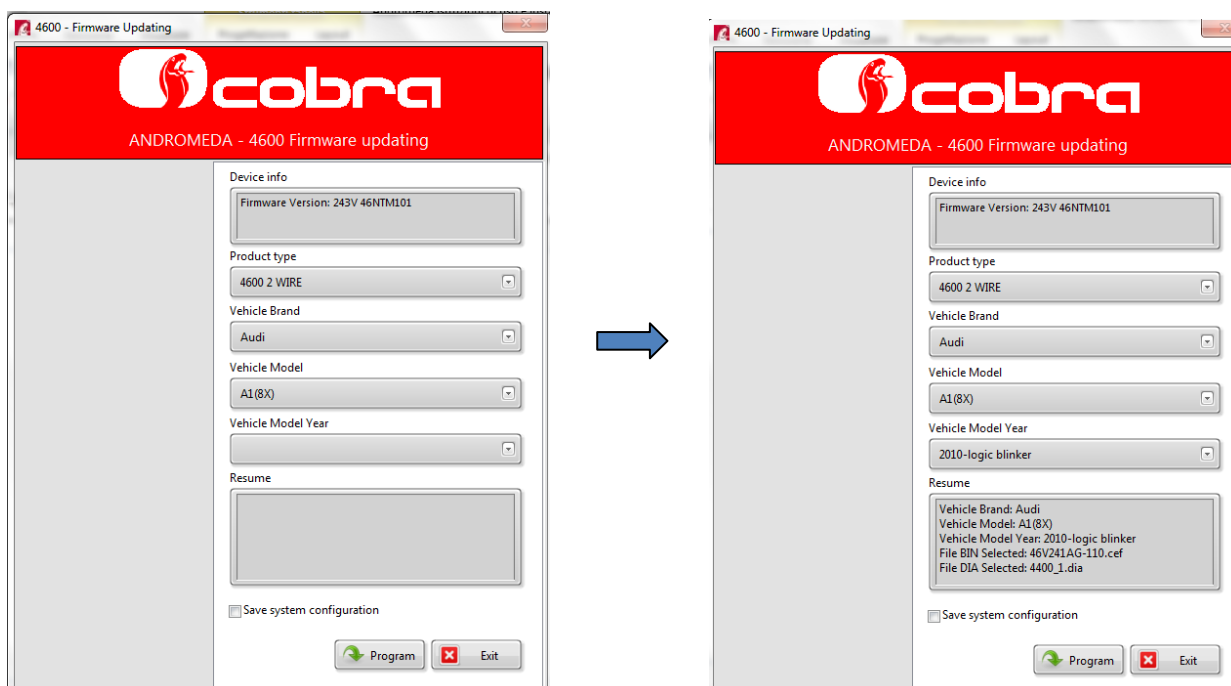
Open the dropdown menu “Product type” and choose the product type.



Open the dropdown menu “Vehicle brand” and choose the make.



Open the dropdown menu "Vehicle model" and choose the car model.



Open the dropdown menu "Vehicle model year " and choose the model year.

In the box "Resume" are listed the data previously choosen.

If you want to keep the configuration stored in the EEprom of the system, (see paragraph 5.3), you must select "Save system configuration" and click on "Program". If it is not selected, Andromeda programs for some parameters the "Standard configuration".

The programming time will be significantly longer if Andromeda will have to keep the configuration parameters.

Procedure with "Save system configuration" not selected

4600 - Firmware Updating

cobra

ANDROMEDA - 4600 Firmware updating

Device info

Firmware Version: 243V 46NTM101

Product type

4600 2 WIRE

Vehicle Brand

Audi

Vehicle Model

A1(8X)

Vehicle Model Year

2010-logic blinker

Resume

Vehicle Brand: Audi
Vehicle Model: A1(8X)
Vehicle Model Year: 2010-logic blinker
File BIN Selected: 46V241AG-110.cef
File DIA Selected: 4400_1.dia

☐ Save system configuration

Program Exit



4600 - Firmware Updating

cobra

ANDROMEDA - 4600 Firmware updating

Reading parameters

Writing Firmware

Writing parameters

Program Exit



Procedure with "Save system configuration" selected

4600 - Firmware Updating

cobra

ANDROMEDA - 4600 Firmware updating

Device info

Firmware Version: 243V 46NTM101

Product type

4600 2 WIRE

Vehicle Brand

Audi

Vehicle Model

A1(8X)

Vehicle Model Year

2010-logic blinker

Resume

Vehicle Brand: Audi
Vehicle Model: A1(8X)
Vehicle Model Year: 2010-logic blinker
File BIN Selected: 46V241AG-110.cef
File DIA Selected: 4400_1.dia

☒ Save system configuration

Program Exit



4600 - Firmware Updating

cobra

ANDROMEDA - 4600 Firmware updating

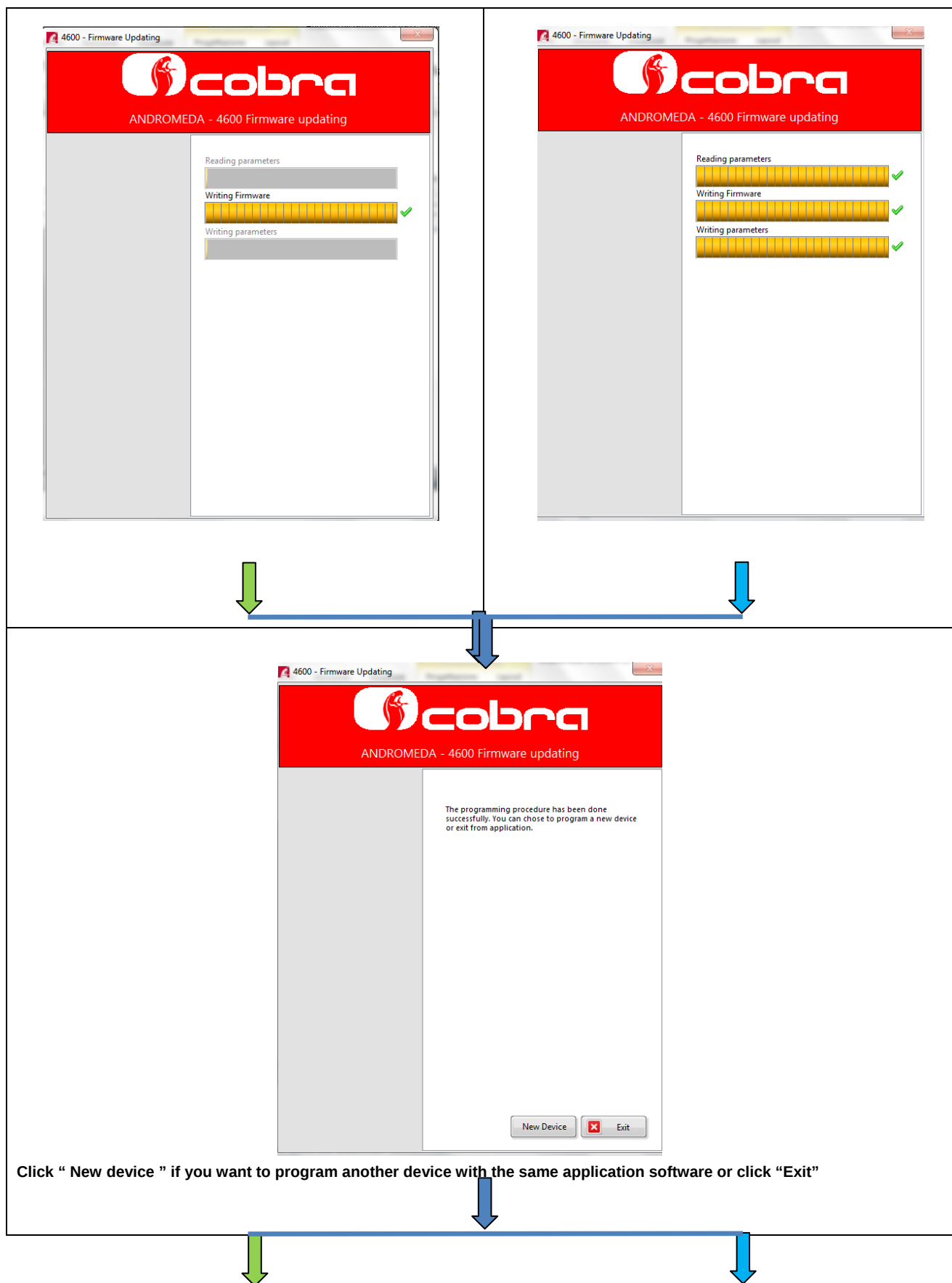
Reading parameters

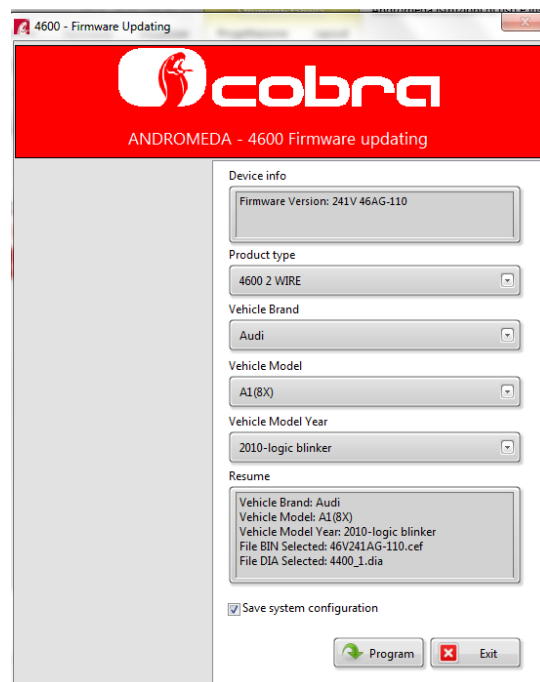
Writing Firmware

Writing parameters

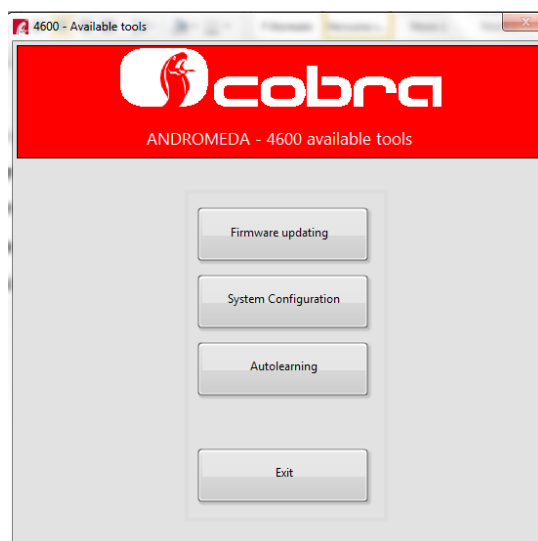
Program Exit







Click “Program” to program another device with the same application, or you can choose another application and click “Program” or click “Exit”.

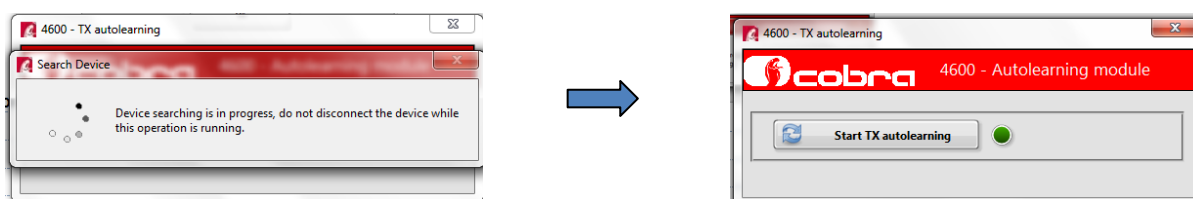


Click on “Exit” or select another functionality.

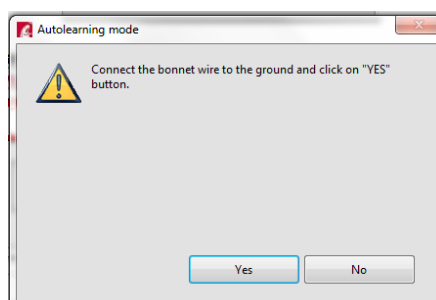
5.2 Autolearning of the remote controls and driver cards



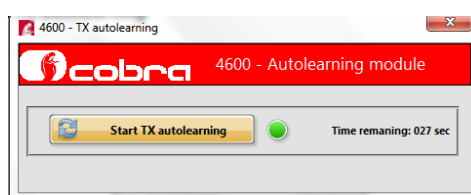
Click on “Autolearning”



Click on “Start TX autolearning”

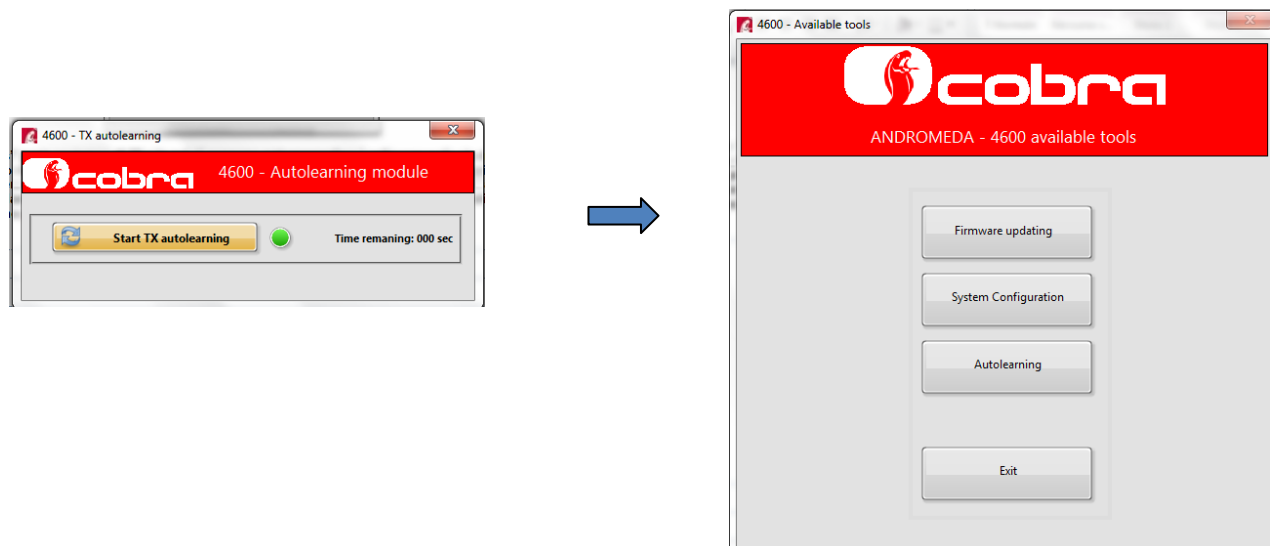


Connect the led panel to the central unit, the blue wire of the central unit to the ground and click “Yes” to continue.
If you want to exit from the procedure click “No”.



After having clicked “Yes” you have 30 s to auto-learning remote controls or driver cards. Press the button of the remote control or of the driver card after 5 s the led confirms with a flashing the successful store, press the button of the second remote control or driver card the led after 1 s confirms the successful store with a flashing. Continue with the same procedure to auto-learn other devices.
Please note that you can autolearn 4 devices at most.

At the end of the autolearning time the program exits the procedure.



5.3 System configuration

Selecting this option, Andromeda reads the values written in EEprom of the product connected to the Data Linker, you can activate or adjust functions according to customer requirements. You can change the customizations in different pages and program the new configuration by clicking on program



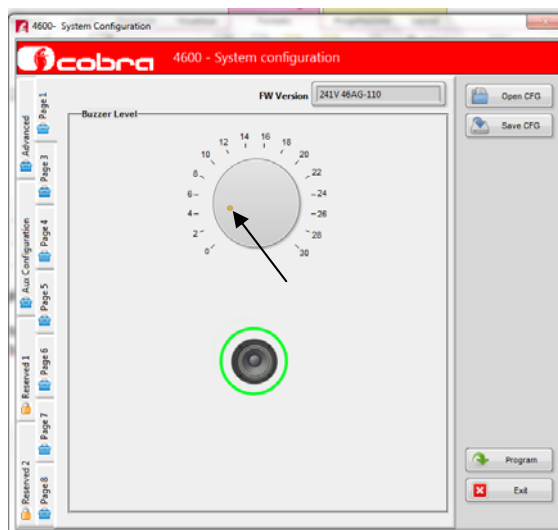
Click on “System configuration”



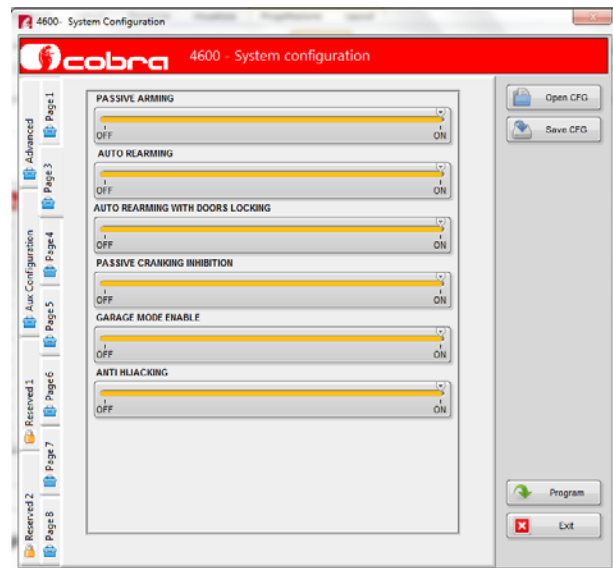
Page 1: Buzzer volume adjustment (Default 0x04)

Move the cursor to increase or decrease the buzzer volume.

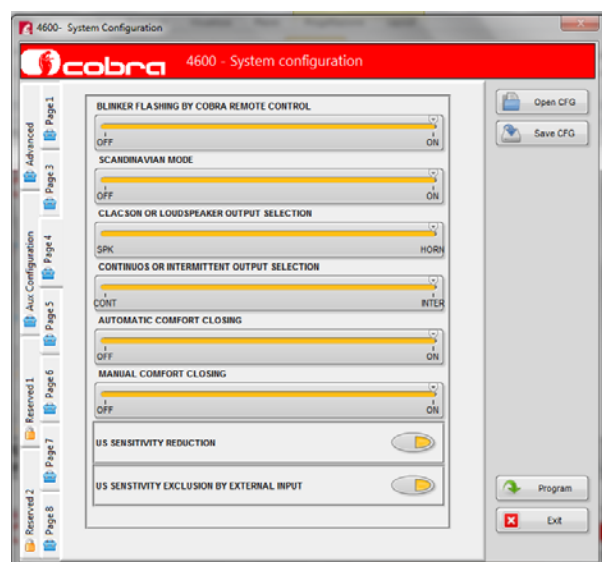
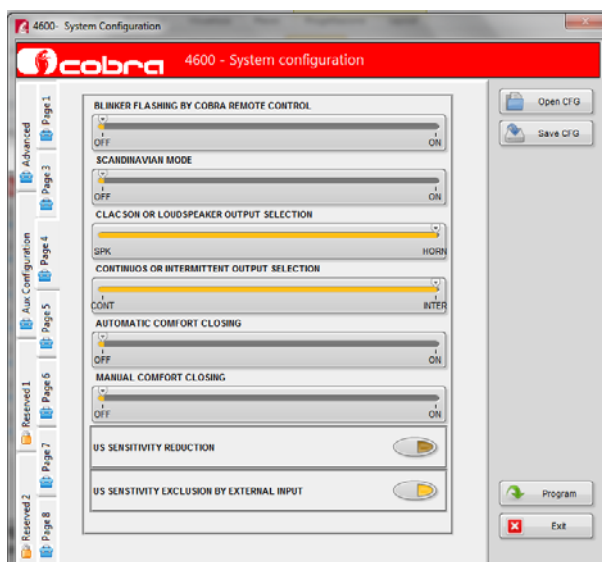
Increasing or decreasing it also the buzzer volume of the warning signal increases or decreases.



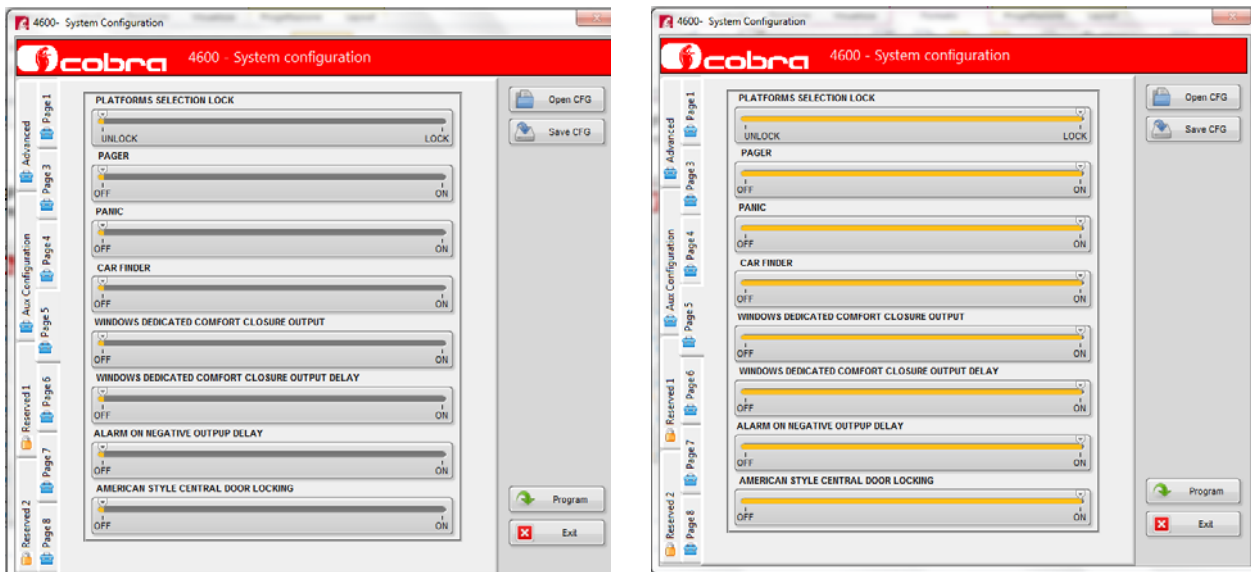
**Page 3: Moving the cursor you can activate/deactivate the functions.
Consult the manual of the programming tables for the function explanation.**



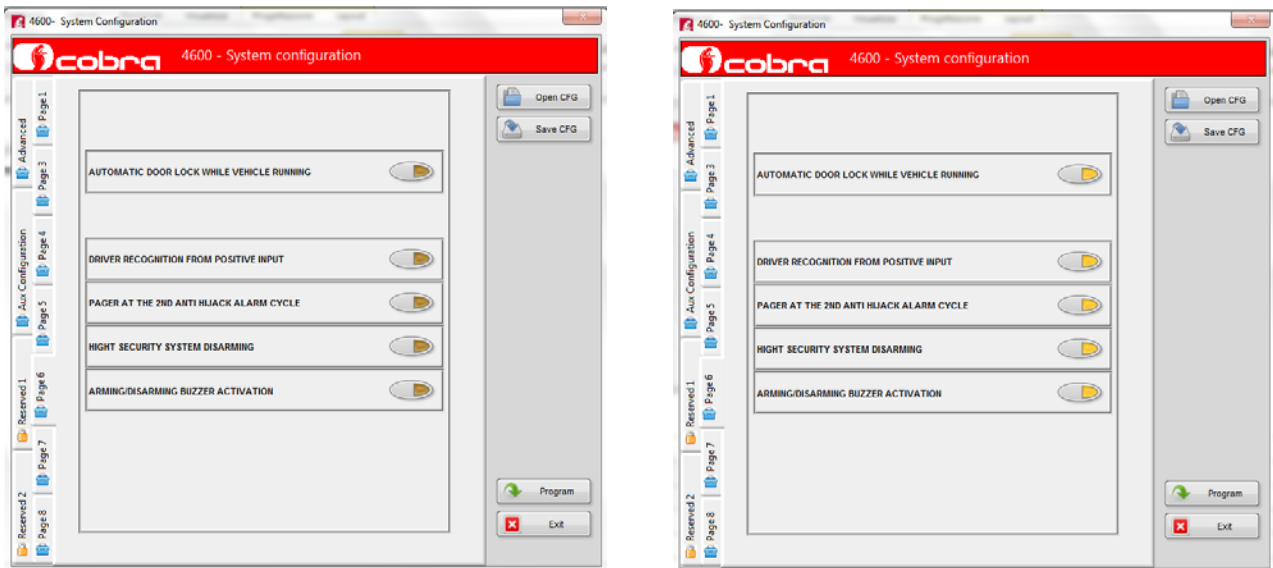
**Page 4: Moving the cursor or click on the button you can activate/deactivate the functions.
Consult the manual of the programming tables for the functions explanation.**



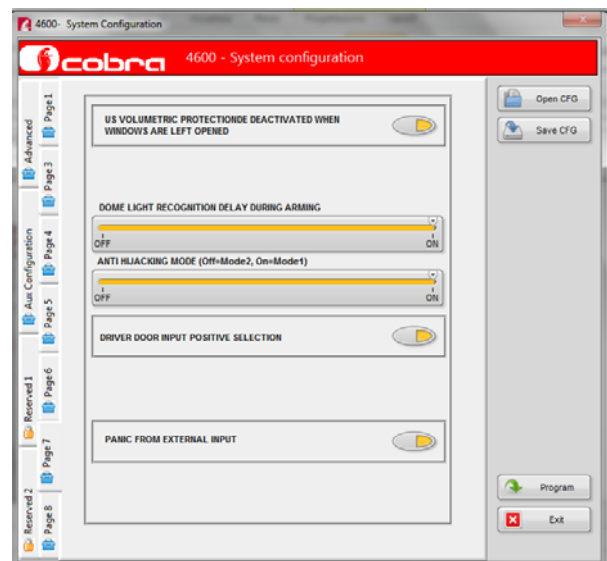
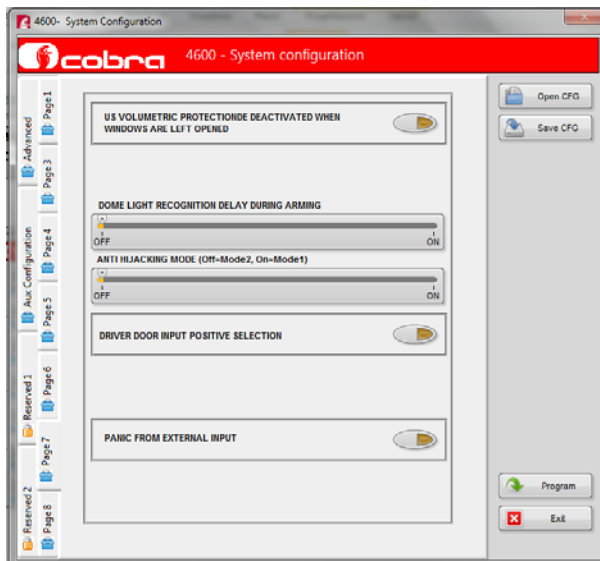
Page 5: Moving the cursor you can activate/deactivate the functions.
Consult the manual of the programming table for the functions explanation.



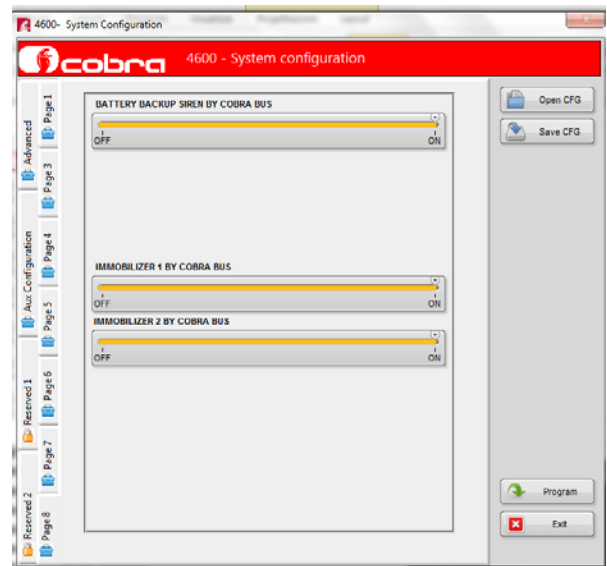
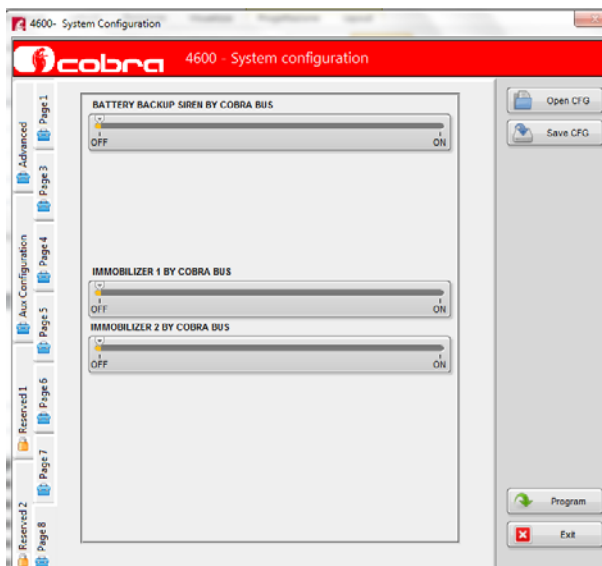
Page 6: Clicking on the button you can activate/deactivate the functions.
Consult the manual of the programming tables for the functions explanation.



Page 7: Moving the cursor or click on the button you can activate/deactivate the functions. Consult the manual of the programming tables for the functions explanation.



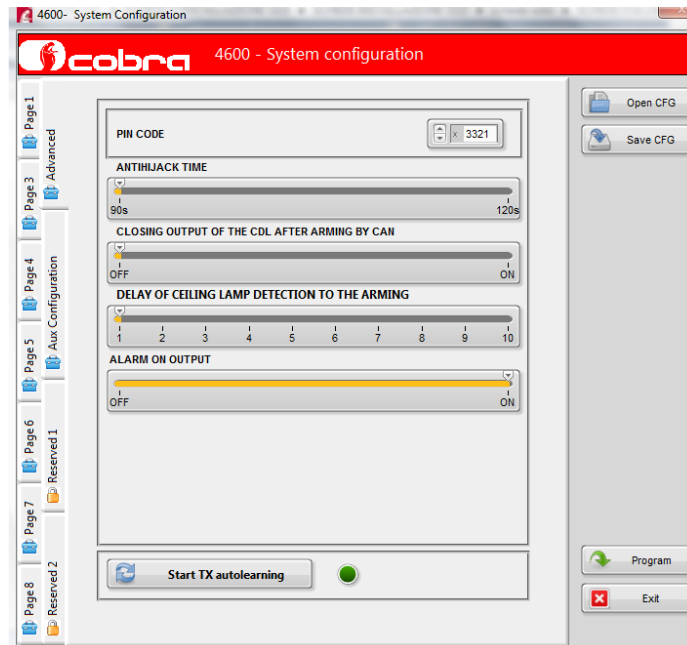
Page 8: Moving the cursor you can activate/deactivate the functions. Consult the manual of the programming table for the functions explanation.



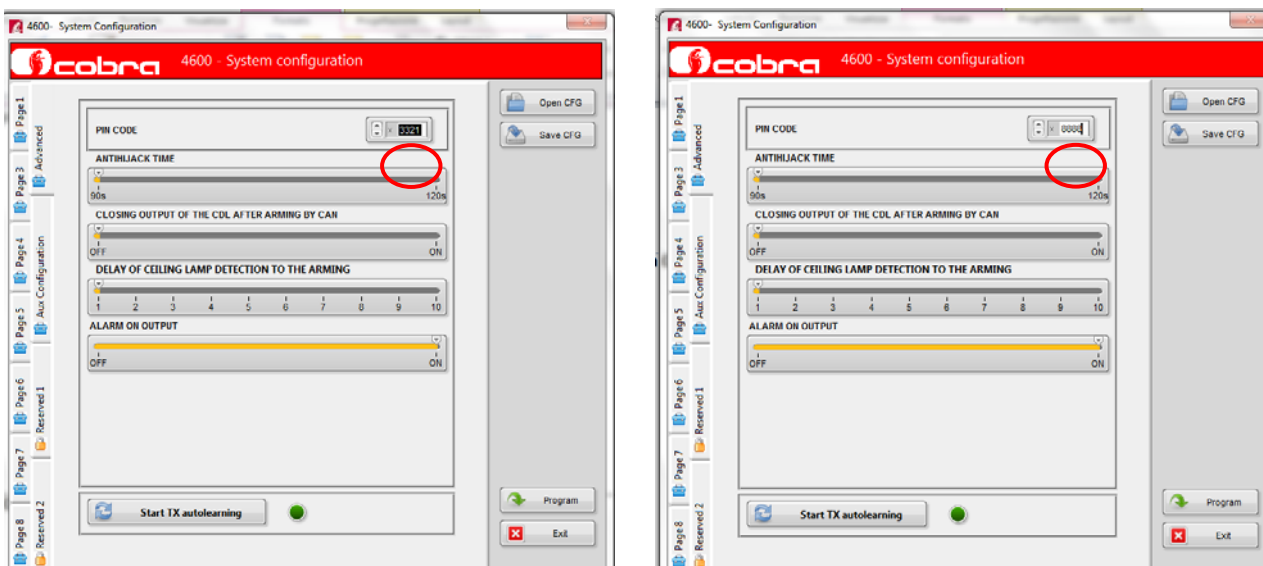
5.3.1 Advanced e Aux pages

The Advanced and Aux configuration pages are not activable by manual programming procedure.

Advanced page

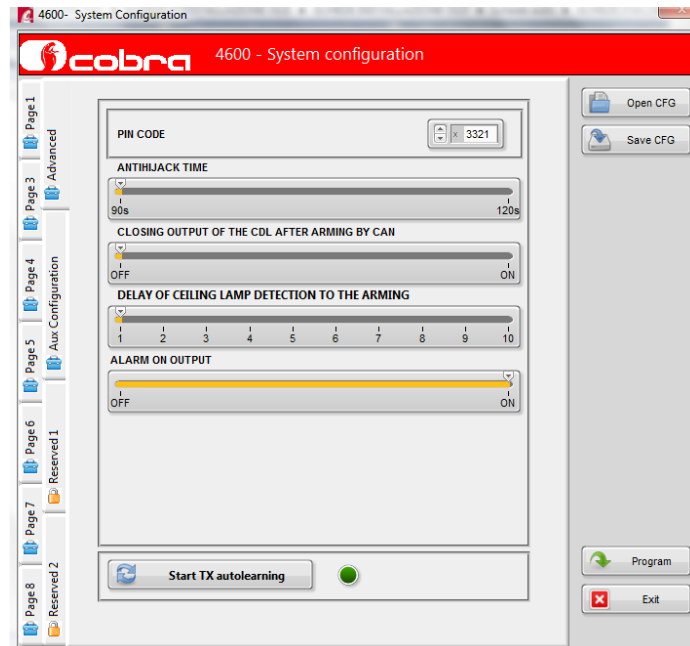


How to change the Pin Code



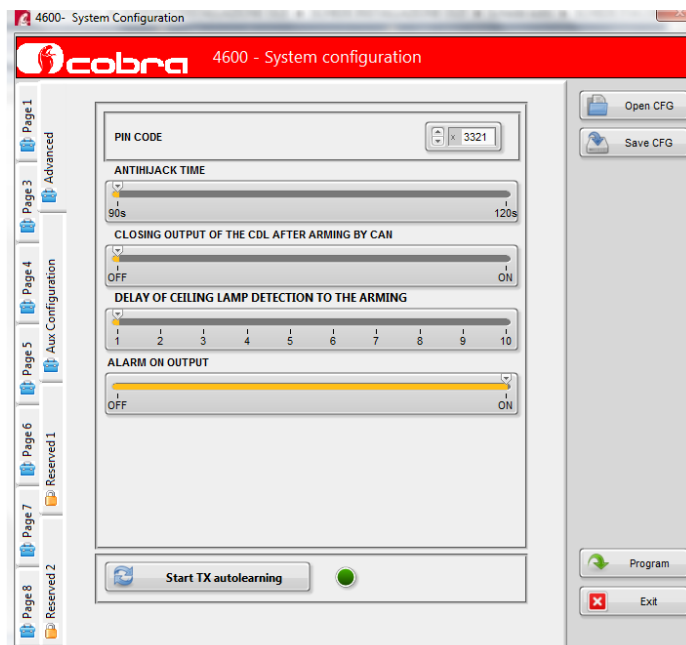
Select the Pin Code digits with the mouse and write the new Pincode. If you have not to perform other changes click on “Program” to carry out the device programming.

Antihijack time



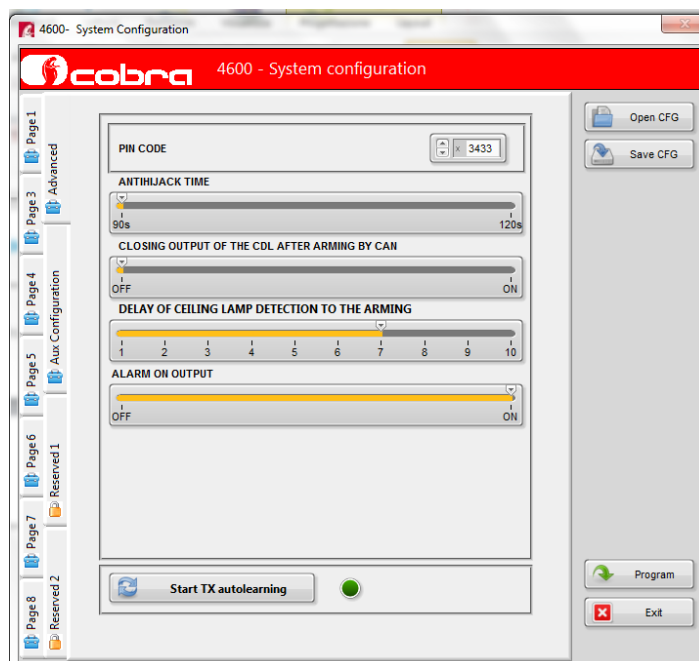
The standard time of the antihijack is 90 s. It can be increased to 120 s moving the cursor.

Closing output of the CDL after arming by CAN



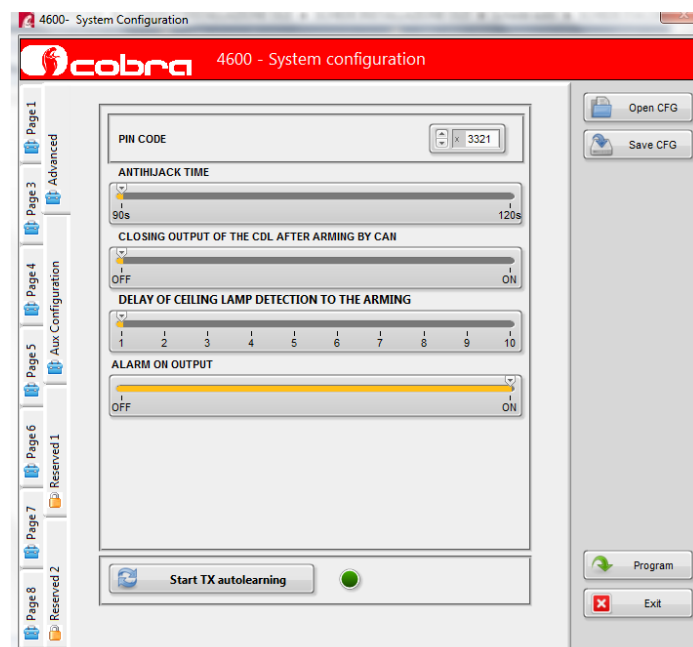
Activating the function, on the violet wire of the central door locking you will have a negative output for 1 s, after the system is armed by CAN network.

Delay of ceiling lamp detection to the arming



The factory value set is 7 s. It can be decreased or increased moving the cursor.

Alarm on output

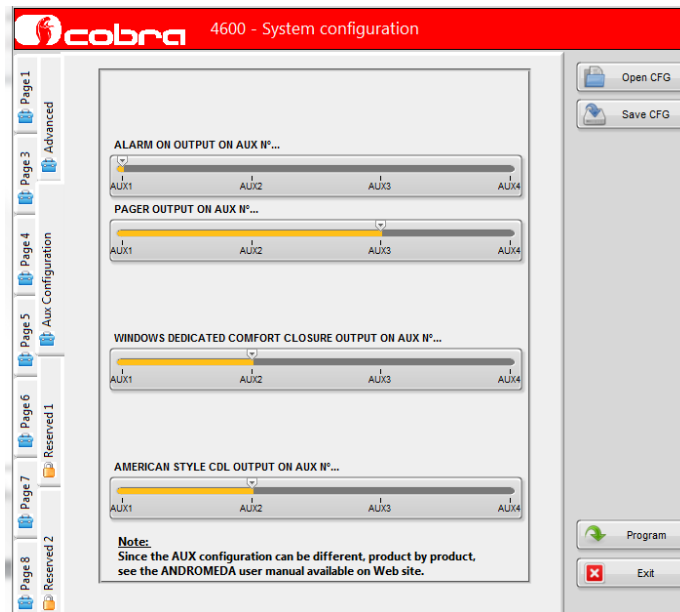


Deactivating the function, on the brown wire is disabled the negative output when system is armed.

Start tx autolearning

Refer to paragraph 5.2, autolearning of the remote controls and driver cards

Page Aux configuration



AUX	4615	4625	4698
Aux1	Brown	Brown	Brown
Aux2	Orange-White	Not available	Not available
Aux3	Violet-White	Not available	Not available
Aux4	Yellow-White	Yellow-White	Yellow-White

Note. The products of the 462X series are not equipped with the Aux2 and Aux3 outputs, the “Windows dedicated comfort closure ” and “American style cdl output functionalities. The Aux4 output can be used if the Plip or CAN applications don’t provide the logic command or the level blinker.

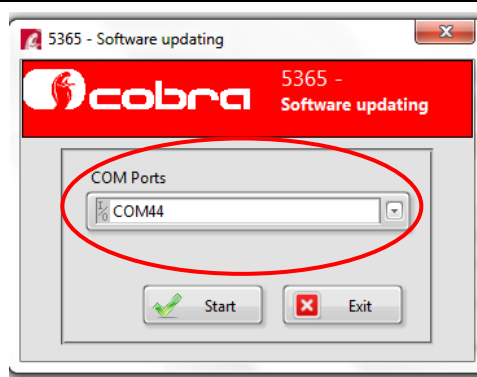
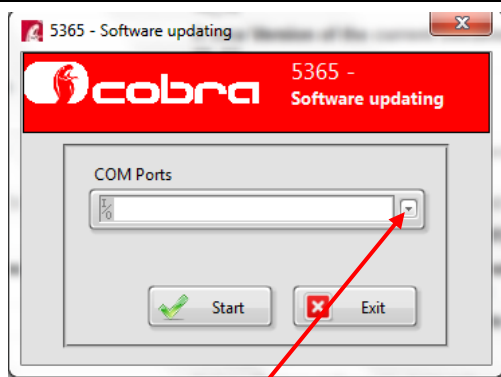
The picture shows the factory values. The functionalities can be directed on the desired Aux. Be careful not to drive more functionalities on the same Aux

5.4 5365 software updating

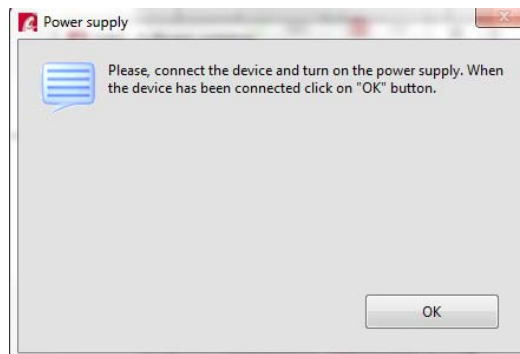


Power the siren only when the software requires it.

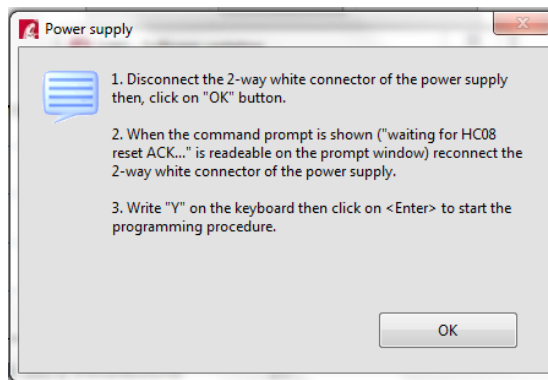
Click "5365 software updating"



Click on the pushbutton of the "Com ports", select the available port and click "Start".



Connect the siren and click on “OK”



Be careful: the siren connector must never be disconnected.

Disconnect the power supply connector and press “OK”.

```
C:\Program Files (x86)\Cobra\ANDROMEDA\data\hc08sprg.exe
hc08sprg - Developer's Serial Bootloader for HC(S)08 - $Version: 1.0.27.0$
FC protocol versions supported: 1 <HC08>, 2 <S08>, 3 <large HC08>
See Freescale Application Note AN2295.

Waiting for HC08 reset ACK..._
```

Reconnect the power supply connector.

```
C:\Program Files (x86)\Cobra\ANDROMEDA\data\hc08sprg.exe
hc08sprg - Developer's Serial Bootloader for HC(S)08 - $Version: 1.0.27.0$
FC protocol versions supported: 1 <HC08>, 2 <S08>, 3 <large HC08>
See Freescale Application Note AN2295.

Waiting for HC08 reset ACK...received 0xfc (good).
Bootloader protocol version: 0x02 (read command supported)
Bootloader version string: AW16
System device ID: 0x012 [unknown [ID too high]] rev. 1
Number of memory blocks: 1
Memory block #1: 0xC000-0xFDCB
Erase block size: 512 bytes
Write block size: 64 bytes
Original vector table: 0xFFCC-0xFFFF
New vector table: 0xFDCC-0xFDFF

$19 image will not fit into available memory (at address 0x0220)?
Are you sure to program part? [y/N]: _
```



```
C:\Program Files (x86)\Cobra\ANDROMEDA\data\hc08sprg.exe
hc08sprg - Developer's Serial Bootloader for HC(S)08 - $Version: 1.0.27.0$
FC protocol versions supported: 1 <HC08>, 2 <S08>, 3 <large HC08>
See Freescale Application Note AN2295.

Waiting for HC08 reset ACK...received 0xfc (good).
Bootloader protocol version: 0x02 (read command supported)
Bootloader version string: AW16
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Number of memory blocks: 1
Memory block #1: 0xC000-0xFDCB
Erase block size: 512 bytes
Write block size: 64 bytes
Original vector table: 0xFFCC-0xFFFF
New vector table: 0xFDCC-0xFDFF

$19 image will not fit into available memory (at address 0x0220)?
Are you sure to program part? [y/N]: y
```

Digit “Y” and press Enter to program the siren.



```
CA\Program Files (x86)\Cobra\ANDROMEDA\data\hc08sprg.exe
hc08sprg - Developer's Serial Bootloader for HC(S)08 - $Version: 1.0.27.0$
FC protocol versions supported: 1 (HC08), 2 (S08), 3 (large HC08)
See Freescale Application Note AN2295.

Waiting for HC08 reset ACK...received 0xfc (good).
Bootloader protocol version: 0x02 (read command supported)
Bootloader version string: AW16
System device ID: 0x012 [unknown [ID too high]] rev. 1
Number of memory blocks: 1
Memory block #1: 0xC000-0xFDCB
Erase block size: 512 bytes
Write block size: 64 bytes
Original vector table: 0xFFCC-0xFFFF
New vector table: 0xFDCG-0xFDFF

S19 image will not fit into available memory (at address 0x0220)!

Are you sure to program part? [y/N]: y
Memory programming: W 0xC700 12%
```

The programming procedure closes when it is completed.



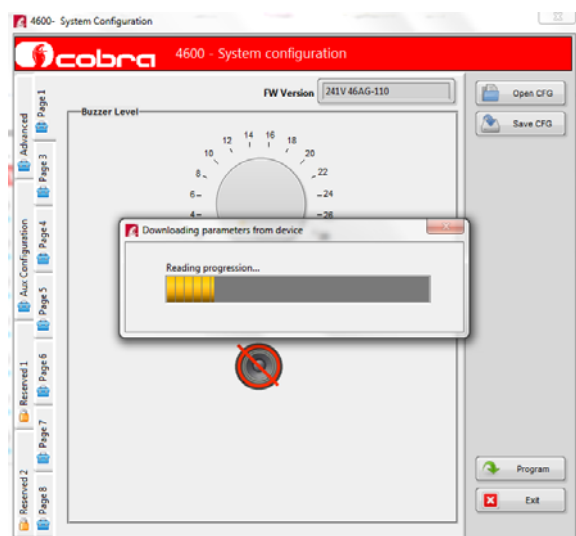
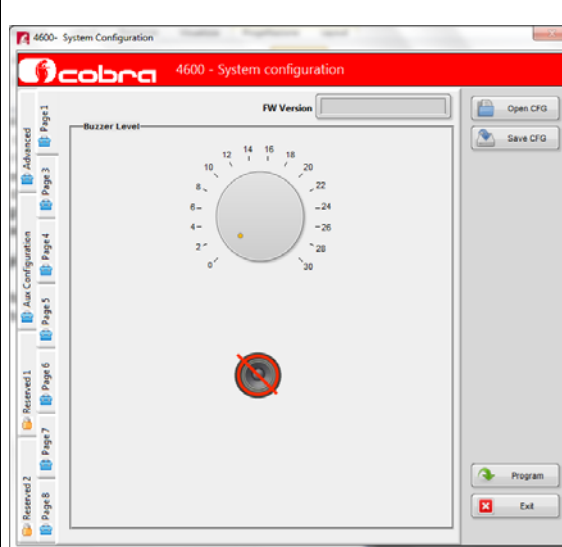
To program a new siren, repeat the procedure.

5.5 Save or load a configuration file (.cfg)

5.5.1 How to save the configuration file

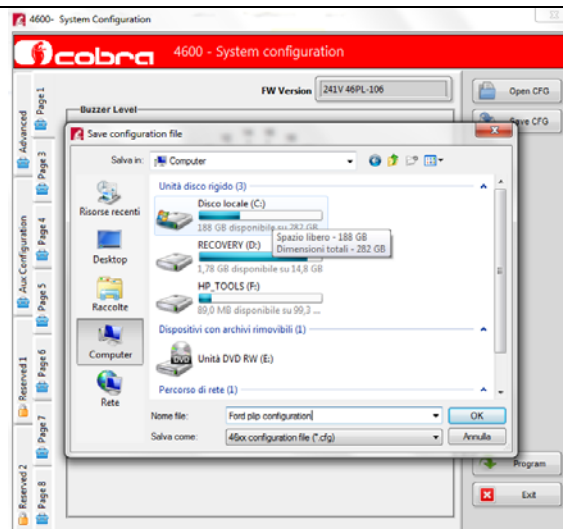


Click “System configuration”





Andromeda loads the configuration present in the product. To modify the configuration refer to the paragraph 5.3. After changing the configuration you can save it clicking “SaveCFG”. It is available on each page.

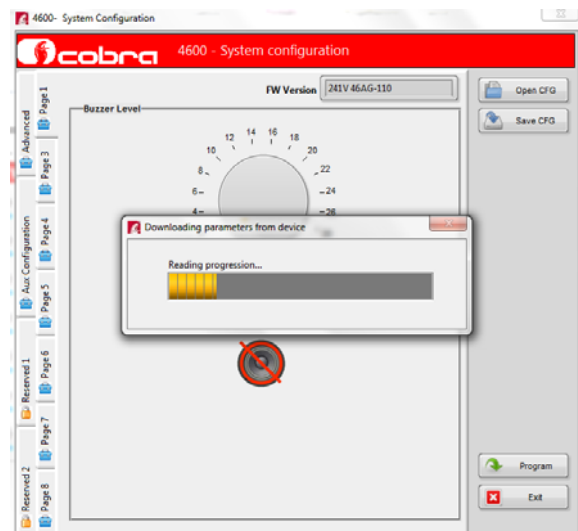
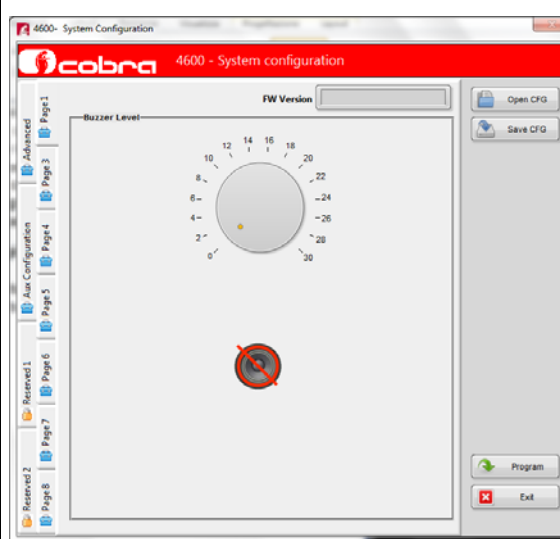


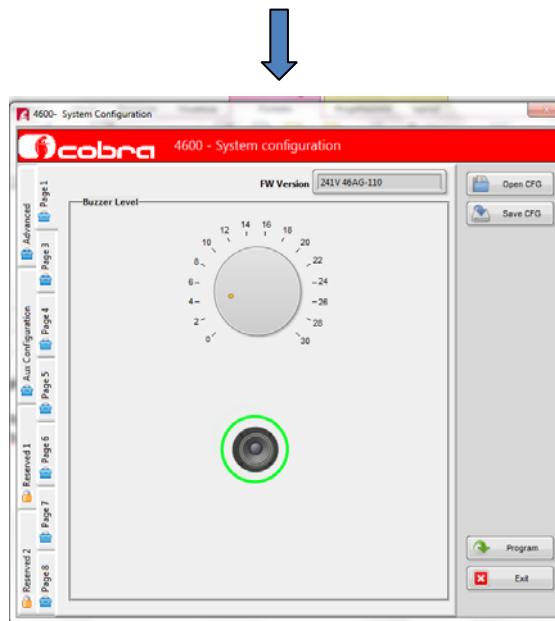
Name and save the file by clicking “OK”.

5.5.2 How to load a configuration file

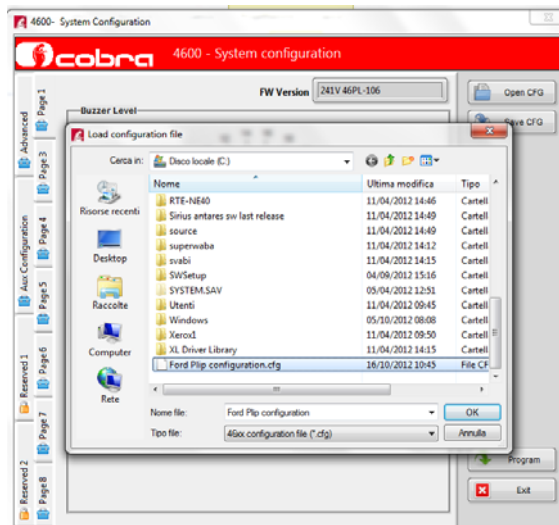


Click “System configuration”

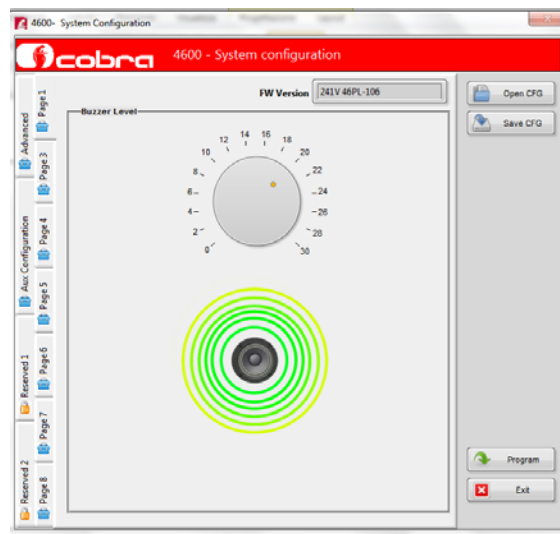




Andromeda loads the configuration present in the product. Click “Open CFg” to load the configuration from the computer.



Select the configuration.



Click “Program” to program the new configuration.