



To update your device, several steps have to be taken.

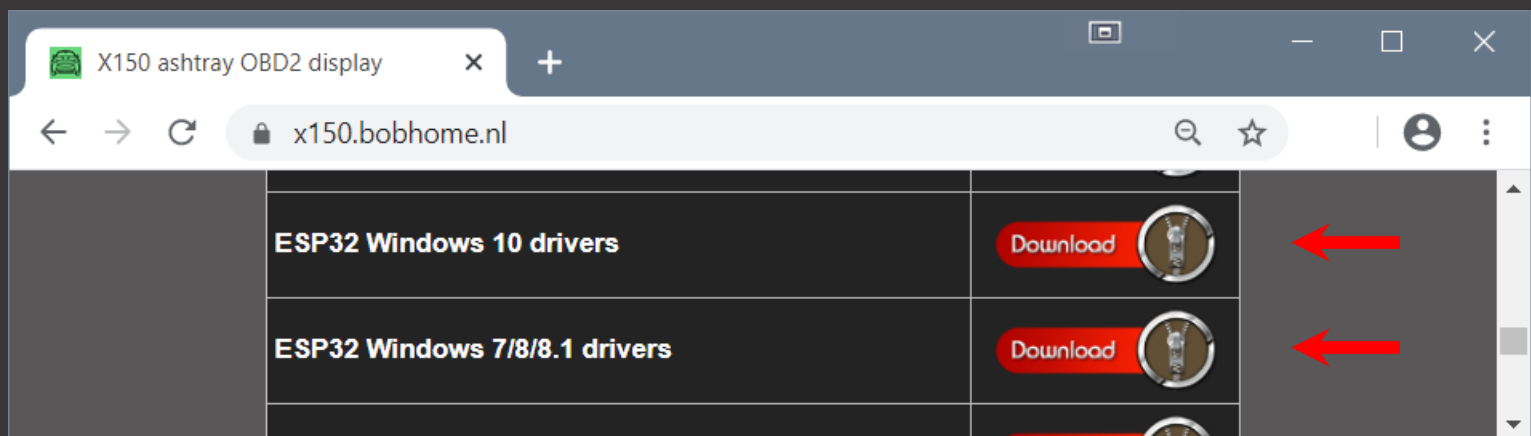
One-time event you should do: install drivers so your Windows computer recognizes the ashtray device:

- Check which version of Windows you have, go to website whatsmyos.com, it shows you a similar window as below:



In above illustration you see I have a Windows 10, 64-bit computer.

- Write down what is showing on your computer.
- Go to [my website](https://mywebsite.nl), and download the "ESP32 Windows drivers" for your version of Windows:



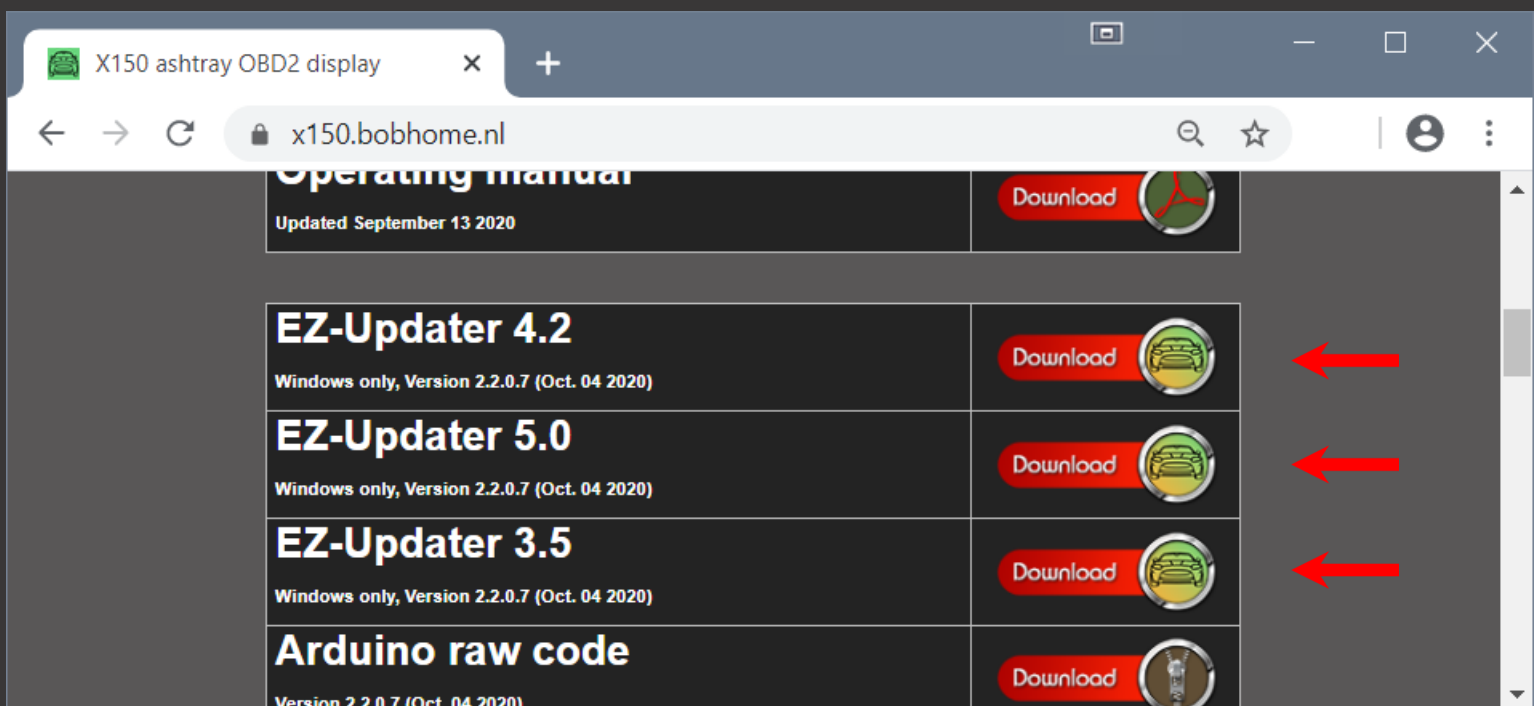
- Unzip the downloaded file and double click the extracted folder.
- Now double click the file based on your Windows version:
 - 64-bit version of windows: CP210xVCPInstaller_x64.exe
 - 32-bit version of windows: CP210xVCPInstaller_x86.exe
- Follow the on-screen instructions, click the "finish" button, the drivers are now installed.



Next, connect the ashtray device to the computer, using a micro-USB cable:
The micro USB plug goes into the device, the other end goes into your computer.



Next, from my website download the EZ-updater which fits your X150 model:





- Unzip the downloaded file and double click the extracted folder.
- Double click the file "firmware.bat" and follow the on-screen instructions

```
C:\WINDOWS\system32\cmd.exe

This version will flash the device for 4.2 models

List of COM ports available:

Silicon Labs CP210x USB to UART Bridge (COM12)

Programmed device will be: Silicon Labs CP210x USB to UART Bridge on COM12.

Press any key to continue . . .
```

```
C:\WINDOWS\system32\cmd.exe

Version 2.2.0.7

-----
PRESS 1, 2, 3 or 4 to select your units, or 5 to EXIT.
-----

1 - Celsius + Kilometers
2 - Celsius + Miles
3 - Fahrenheit + Kilometers
4 - Fahrenheit + Miles
5 - Exit

Type 1, 2, 3, 4 or 5 then press ENTER: 1
```

```
C:\WINDOWS\system32\cmd.exe

Hash of data verified.
Compressed 3072 bytes to 128...
Wrote 3072 bytes (128 compressed) at 0x00008000 in 0.0 seconds (effective 2234.2 kbit/s)...
Hash of data verified.

Leaving...
Hard resetting via RTS pin...

Cleanup temporary files ....

Finished !


Press any key to continue . . .
```

Your device is now updated! Remove the USB cable from the ashtray device and install it in your car.



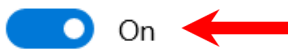
Some windows (10) computers treats the “firmware.bat” file as if it is a virus.
In order to overcome this, Windows Security should be paused till you have updated the firmware.

Example for a Windows 10 computer:

- Click the  icon on the bottom-right of your screen,
- Click on “Virus & threat protection”,
- Click on “Manage Settings”,
- Set “real-time protection” to “Off”.


Real-time protection

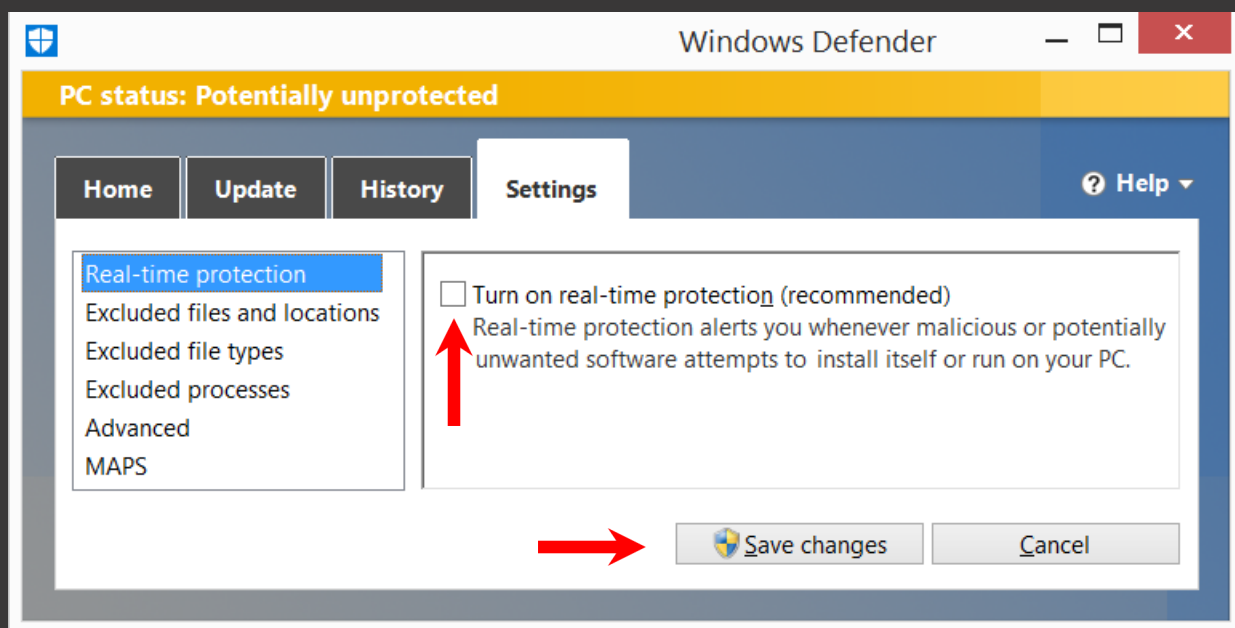
Locates and stops malware from installing or running on your device. You can turn off this setting for a short time before it turns back on automatically.



Later, when updating your ashtray device is finished, set this back to “On”.

Example for a Windows 8 computer:

- On your keyboard press the Windows  button and the Q simultaneously,
- Type in “Defender”,
- Click on “Windows Defender”,
- Click the “Settings” tab,
- Un-check the box “Turn on real-time protection”,
- Click on “Save changes”.



Later, when updating your ashtray device is finished, revert this action.