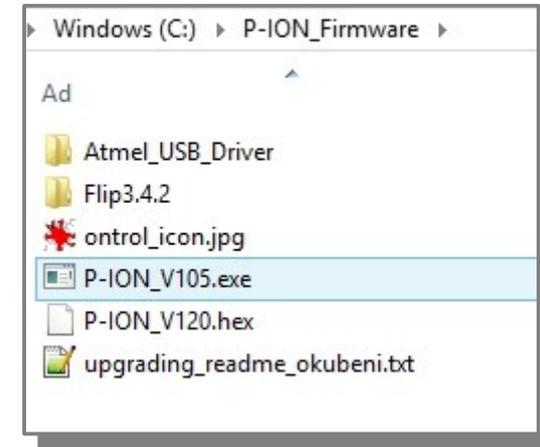


Before you start

Make sure you have Java 8 or higher installed. <http://www.java.com/>

Download latest update files from :
<http://ontrol.com/pion>

Unpack the zipped file to your harrdisk.

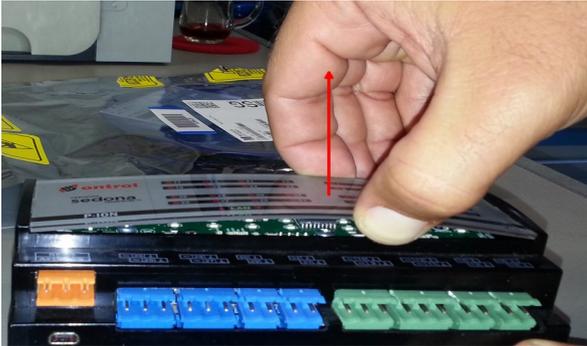


The path should not contain any spaces or non-english characters.

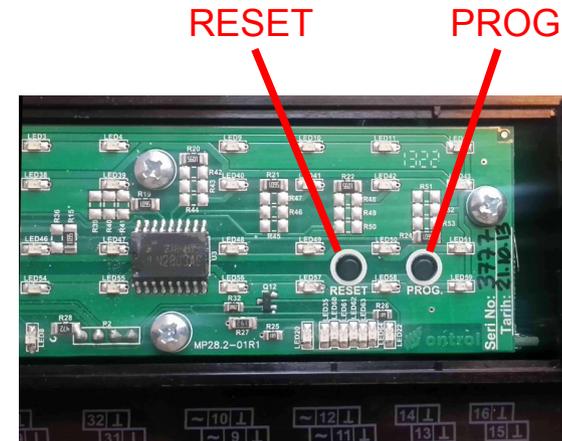
Illegal path example :

C:\Users\John Doe\Documents\Desktop\P-ION_Firmware)

Switching to program mode



Pull front cover up gently from the middle to remove it



With the device powered:

- Press the **RESET** button and keep it pressed,
- Now, press the **PROG** button keeping both pressed,
- Release first **RESET** button, then **PROG** button.

You are now in programming mode.

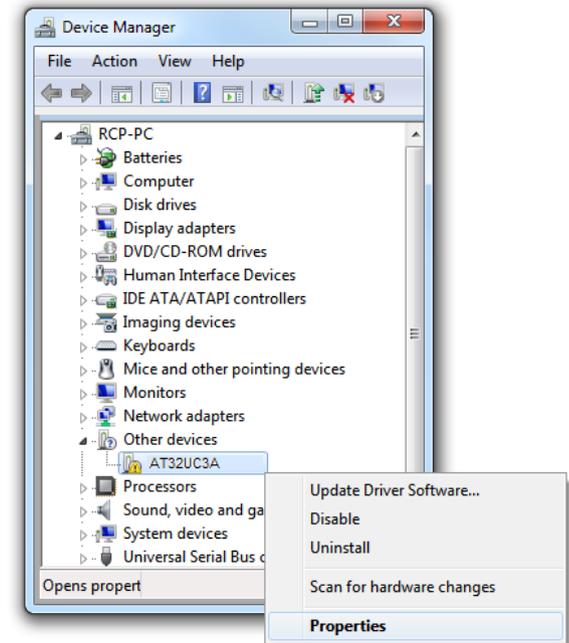


Use external power supply. Powering only through USB port may be unreliable due to poor quality of some USB cables.

Driver installation

**** ONLY If this is the first time you are doing a firmware update on this PC ****

- Locate P-ION in Control Panel >> Device Manager.
If the driver was not installed before, you will find it under "Other Devices" identified as AT32UC3A
- Right click on AT32UC3A and select "Update Driver Software"
- Choose the path that you unzipped the installation files (.../PION_Firmware\Atmel_USB_Driver")
- After driver installation is completed, disconnect and reconnect the USB cable
- If installation completed successfully, you will find the P-ION under Control Panel >> Device Manager >> Atmel USB Devices, identified as AT32UC3A



Possible problem is caused by Windows as the Atmel Driver is not signed :
Google "[disable driver signature enforcement windows](#)" for your Windows version.

Firmware update

- Make sure P-ION shows up as AT32UC3A in :
Control Panel >> Device Manager >> Atmel USB Devices
- Right-click on the P-ION firmware update utility (P-ION.exe) and select "Run as administrator"
- Press any key when prompted
- You should see a "success!" message (with a green background) if the update has been successful
- On the screen you can see the latest IP setting and firmware version (IP setting remains unchanged by this process)
- Restart the PION by momentarily disconnecting power-supply **and** USB cable

