

Guide "step by step" on how to use the app: MP2S-CAN Bootloader

[1] Preparation PC for connection of the module:

[1a] Before first time connection the Bootloader (*when the FTDI drivers are not yet installed in the system*), download the FTDI drivers from the manufacturer's website:

https://ftdichip.com/drivers/

or from website quasarelectronics.pl:

https://www.quasarelectronics.pl/en/files/196/QE-FTDI-drivers-for-Windows.zip

[1b] next BEFORE connection the Bootloader to the PC - install downloaded above drivers (file with drivers from quasarelectronics.pl is compatible for all versions of Windows – starting 7 and later);

[1c] still BEFORE connection the Bootloader to the PC, open the "Device Manager";

[1d] now connect the Bootloader to the USB port - the first time Windows system "will be to want to do something more", i.e. configure the previously installed drivers for itself;

[1e] observe the "Device Manager" under "COM and LPT" and note the new COM port that appears in the list;

NOTE: next time it is recommended to use the same USB port socket - this will be also the same COM port numer.

[2] Connection with MP2S-CAN module using Bootloader

[2a] NOTE: during programming, the module is powered directly from the Bootloader;

[2b] to connect MP2S-CAN module to earlier (step [1]) connected Bootloader;

[2c] to run app MP2S-CAN Bootloader (latest version);

MP2S-CAN Bootloader v3.7			_	
		Command (3) Open file	CAN program list Open	
Port Program version (5) COM1 (1) Read Cancel				
	_		● EN	() PL
CAN program	CAN Mode Passive	~	EEPROM	lead (7) (8) Vrite
PDC Mode	FOG Light Mode	· (6)		

[2d] Select COM port from list (1) according to step [1e] above;

[2e] Click on (2) and in small terminal windows will be information from connected module – or message about an error – below picture (when all is OK):



[2f] there is always a firmware version symbol in the place marked above;

[2g] after click on (7) – will be visible current configuration of the module in area (6);

IMPORTANT – in case of the firmware update, carefully save or copy this section of the image (6) because uploading of the new firmware version ALWAYS sets the factory test program !

INFO - the three parameter settings shown above (apart from the prog. num.) are typical for passive operation of the module (CAN-Bus read only - and this is the case for most of the items on the compatibility list);

[3] Change of program number (e.g. adaptation for use with a different vehicle than specified at purchase);

[3a] FIRST should be made step [2g];

[3b] change "CAN program" using up/down arrow or typing direct number (of course properly according to compatibility list);

[3c] verify the correctness (and change if necessary) of the other settings in area (6);

[3d] click on (8) to save settings to the module – when the progress bar fills up (this is a quick process) and the "small terminal window" [2e] shows a message that the settings have been saved correctly – the procedure is complete and the module can be disconnected from the Bootloader;

[4] Firmware update;

[4a] remember about hardware versions of the device and the corresponding firmware files; when you download the ZIP file with firmware from the website, it contains files for all hardware versions; there is also included a PDF file for easy identification "which version to choose for your module" if it is an older module; currently manufactured modules have a clear description on the cover which firmware version to use; in addition - from November 2023 modules have a software lock to prevent the upload of incorrect firmware version;

[4b] prepare the firmware file (extension HEXFW) and perform the entire step [2], making sure that the version to be uploaded is newer than the one in module is (it is possible to upload a lower/older firmware version) and remember exactly the current settings (6) of the module;

[4c] click on (3) and open file prepared in step [4b] above;

[4d] click on (5) and wait for about 1-2 minutes - you will see a green progress bar (as described in point [3d]) and then the module automatically will be set to factory test settings (as described at the end of point [2]);

[4e] set all remembered settings (6) from step [4b] and click on (8);

[4f] UPDATE DONE – now the module can be detached from the Bootloader and (re)installed in the car;

INFO – after opening the firmware file (step [4c] above), you can open the TXT version of the programs list and supported cars for the that version of the firmware file - by clicking on (4), due to its condensed version, it may not contain all the cars listed in the full compatibility list in the PDF version available for download from website www.quasarelectronics.pl/en/

