**VaDia readme - firmware **

This file "readmeVaDia" is the Vadia firmware *.hex - files readme file.

CHANGE LOGS:

ver. 2.3 - 31.10.2018 file: VaDia 2.3.0.hex
changes:
- Set time (RTC) via BlueTooth.

ver. 2.02 - 04.02.2015 file: VaDia 2.2.hex
changes:
- New type of memory
  NOTE: It is **NOT** compatible with Vadia Manager 2.01 and older!

ver. 2.01 - 31.01.2015 file: VaDia 2.1.hex
changes:
- not released.

ver. 2.00 - 31.01.2014 file: VaDia 2.0.hex
changes:
- Improvement in battery level indicator.
- New BlueTooth communication protocol.
  NOTE: It is **NOT** compatible with Vadia Manager 1.15 and older!

ver. 1.02.001 - 13.06.2013 file: VaDia 1.2.1.hex
changes:
- Fixed bug with logging after reset.

ver. 1.02.000 - 02.06.2013 file: VaDia 1.02.0.hex
changes:
- Improved the stability of the timer of vacuum sampling.

ver. 1.01.040 - 02.01.2013 file: VaDia 1.01.040.hex
changes:
- Improved the stability of the Bluetooth connection to the VPT

ver. 1.01.039 - 13.11.2012 file: VaDia 1.01.039.hex
changes:
- Minus kPa
- New RGB LED rules and VaDia Modes:

4xRed	-	flashing	hardware error; ERROR Mode
1xRed/ 1s	-	flashing	hardware undefined; UNDEFINED Mode
2xGreen	-	flashing	STOP Mode
OFF	-	off	Battery completely discharged

- Changing Bluetooth Name – bug fixed

- VaDia remembers state: BT LOG , LOG or STOP on the SD card, it run with good state after battery back to good level.
- When 'Get log' - VaDia goes to STOP

ver. 1.01.034 – 1.01.038
changes:
- not released

ver. 1.01.033 - 28.09.2012 file: VaDia 1.01.033.hex
changes:
- New function - deleting wrong sectors.

ver. 1.01.032 - 08.09.2012 file: VaDia 1.01.032.hex
changes:
- New rules for on/off the BlueTooth when the battery is low.
- New levels for the save procedure of the battery.
- 0kPa – is stored for 10mins
- RGB LED :
  WHITE   -   flashing   hardware error or the battery completely discharged
  OFF   -   off   Battery completely discharged

ver. 1.01.031 - 02.08.2012
changes:
- New library for the SD Card.
- New rules of the RGB LED.

GREN -	1 flash once per 15s	MODE LOG - standby
GREN -	1 flash per 2s	MODE LOG - vacuum present
BLUE -	1 flash once per 15s	MODE LOG BT - standby
BLUE -	1 flash per 2s	MODE LOG BT - vacuum present
RED* -	1 flash per **4s**	Pre-charging(battery very low)
RED* -	1 flash per 2s	Battery charging
RED* -	2 flash per 2s	SD Card error
RED** -	1 flash per 2s	Battery level low
RED** -	2 flash per 2s	SD Card error

  WHITE -   1 flash   Reset of Vadia(it happens after you delete SD card)
  WHITE -   flashing   hardware error
  OFF   -   off   Battery completely discharged

  * USB charger, ** no USB charger.

fixed bug:
- Start charging battery when it is very low.

ver. 1.01.030 - 29.06.2012 file: VaDia 1.01.030.hex
changes:
- not released

ver. 1.01.021 - 06.26.2012 file: VaDia 1.01.021.hex
changes:
- improved initialization function of SD Card.

ver. 1.01.020 - 01.01.2011 file: VaDia 1.01.020.hex
changes:
- initial version