



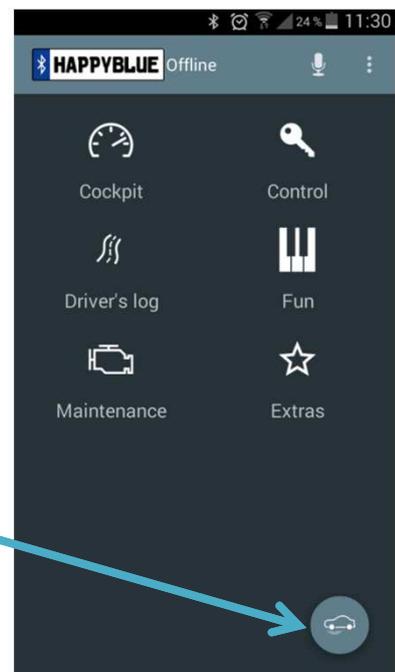
Manual– HappyBlue App 2.00

This short manual shall give informations that are not self explaining from the App

Important: You may always download and test the app (from Android 2.3) without the need of the HappyBlue dongle.

For having the funcionality order the HappyBlue dongle from our „www.happylightshow.com“.

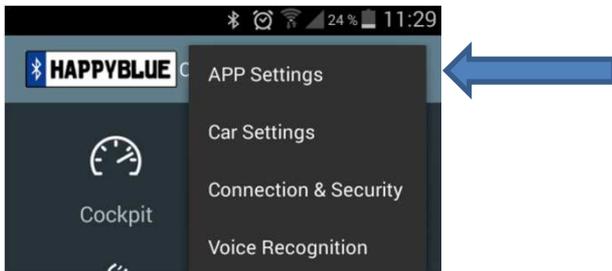
To get connected to the HappyBlue dongle
The default Pin is = „**4711**“



Any other dongle (incl. ELM327) won't connect to the App



Settings, APP Settings



Important:

Softwareversion of the App

and

Firmwareversion HappyBlue
Dongle major revision must match

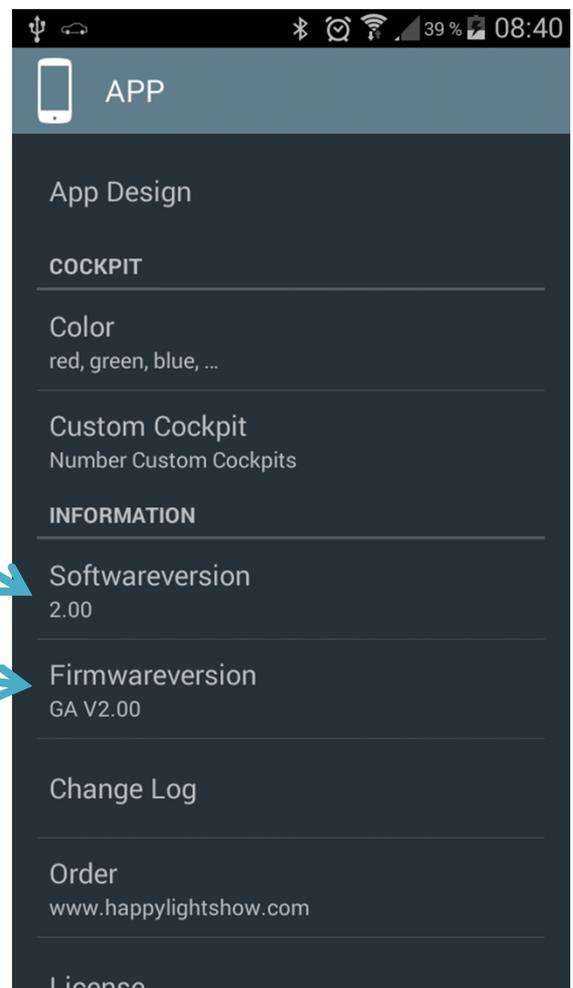
Examples:

App 2.00 & GA V2.00 ok

App 2.00a & GA V2.00 ok

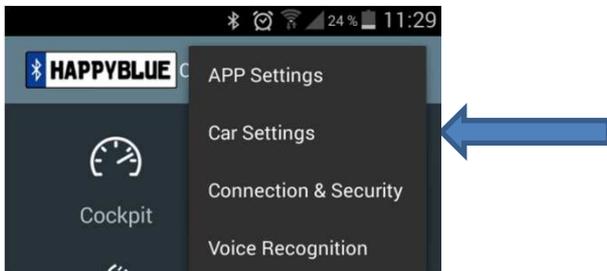
App 2.01 & GA V2.00 Wrong

App 2.00 & GA V2.01 Wrong



Settings, APP Settings

Settings, Car Settings

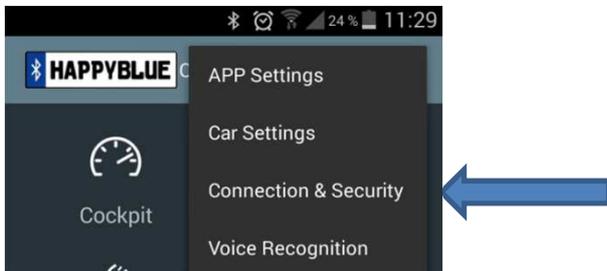


Please do your Car Settings first.



In case the Car Settings are not correct, the full functionality might not be ensured.
Examples: lights are not turned on,....

Settings, Connection & Security



Important: For safety reasons it is recommended to change the Pin from default („4711“) to a custom code (only numbers).

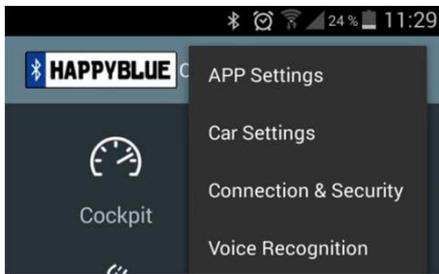
The **optional** function „**Auto connect**“ does make the HappyBlue connect to your device (that’s ready to accept Bluetooth) automatically.

Caution: You **can not** pair with **another device** when this function is active. To assure the **Firmware Update** will work 100%, please **deactivate** this function.

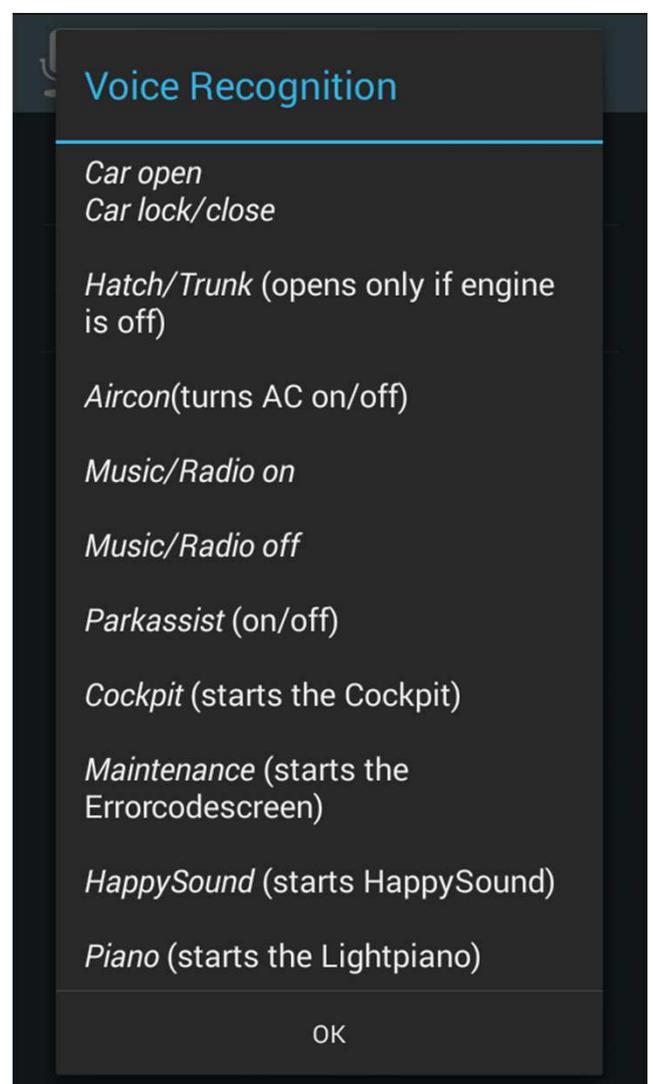
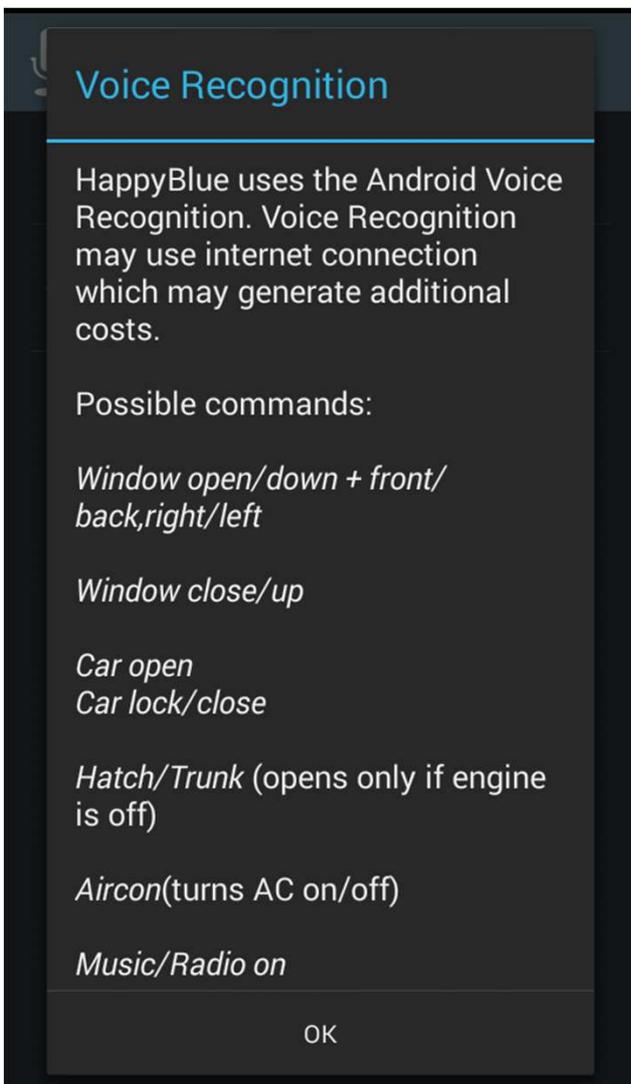
In case your **device fails**, you can always **deactivate** the „Auto connect“ **function** by applying:

Ignition on + Engine off + both front doors ajar + driver seatbelt attached - + Accelerator and Brake Pedal applied and FlashToPass active -> function is deactivated.

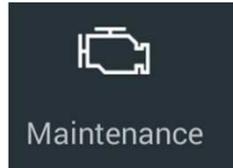
Settings, Voice Recognition



Functions can be controlled by voice



Maintenance



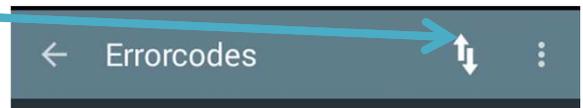
Here is some maintenance relevant data shown :Mileage, VIN, Oilchange percentage,...
From here you can go to the **Errorcode** menu.

HowTo:

Maintenance -> Errorcode -> Module presence test

The ECUs will be identified and shown
In a list.

After pressing the „all read“ Icon
the Errorcodes will be shown.



Example:

UPA

Park Assistent

B0954-21

Parking Aid Front Sensor Left Corner Circuit

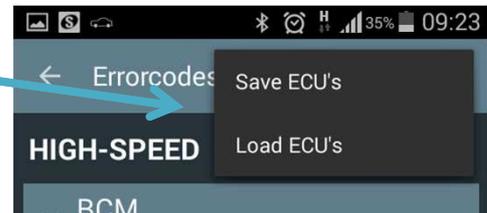
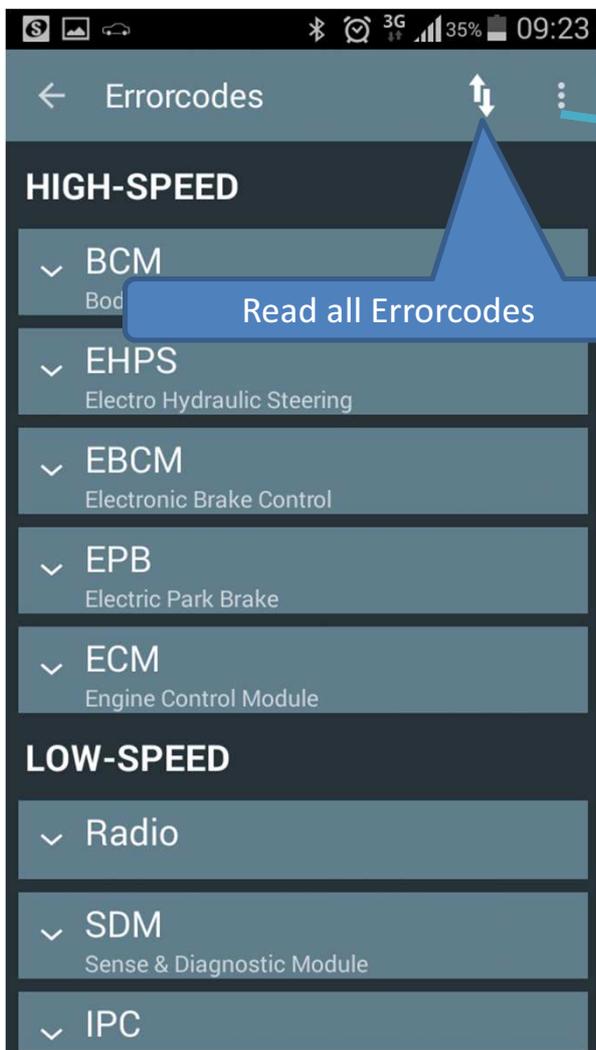
There is a fault with the Left outside ultrasonic sensor.

These kind of informations are normally only readable with
special maintenance tools.

Other Bluetooth Devices (like ELM327) can only diagnose the
ECM/TCM.

Info: There can be more than 10000 manufacturer specific codes
inside a modern car.

Maintenance– Read Errorcodes

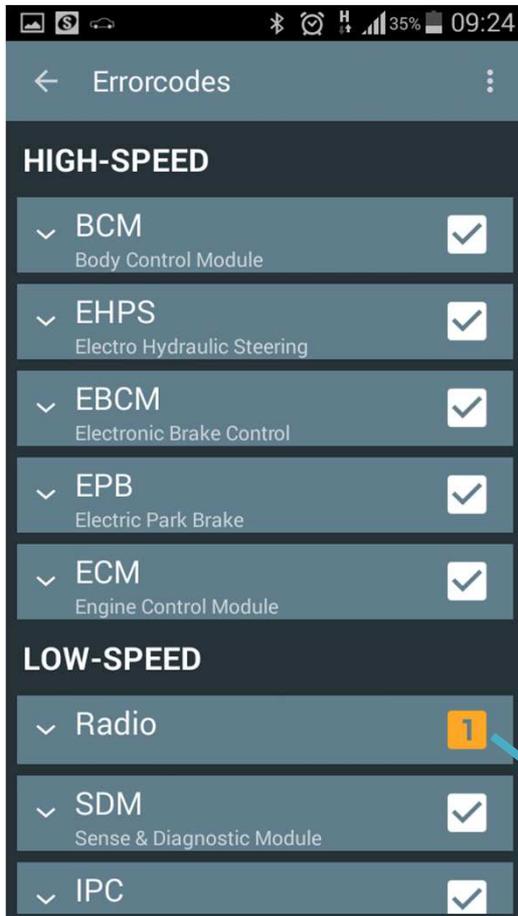


Hind:
Save and load the list of ECUs.
Next time you dont have to run the
Module presence test

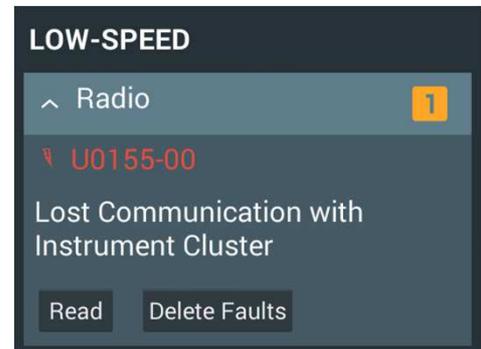
Read Errorcodes

Important info: A Errorcode doe not always mean the car has a problem (especially U-Codes).
To have a persistant fault fixed, ask a skilled maintenance employee.

Maintenance– Show Errorcodes / clear



Errorcode overview



The Example shows a Error within the Radio.

Hind: U-Codes, whereas the car behaves normally, can be ignored. Sometimes a ECU fails to get a data package and then triggers a fault. As most Data is cyclically transmitted it will get the data the next time, without showing any symptoms.

Maintenance– Tire Pressure Controlling

The Function

The function uses the ABS Sensor data and measures the difference between the sensors on the front and rear axle. When there is a difference between the actual and a calibrated value a warning message is shown to the driver in the instrument panel cluster.

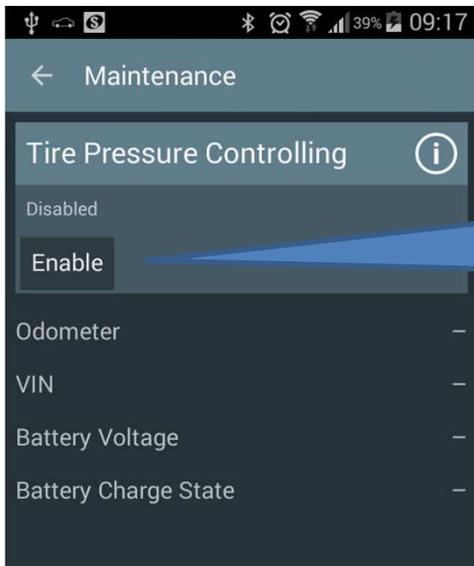
How to calibrate:

1. Fill the tire to the manufacturer indicated pressure
2. Activate Tire Pressure Controlling -> calibration is active (for about 2,5 miles)
3. System calibration is done -> Tire Pressure Controlling is active

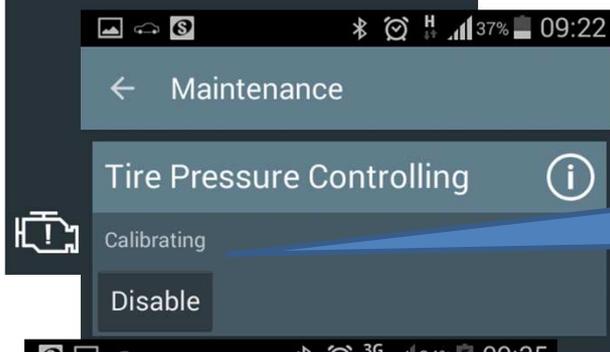
How to in case of a indicated fault / tire change:

1. Measure the tire
2. Fill the tire to the manufacturer indicated pressure
3. To have the fault cleared, drive the next cycle (about 2,5 miles) -> The fault shall be reset.
4. If the fault still is persistent, deactivate the function and start with a new calibration (see above)

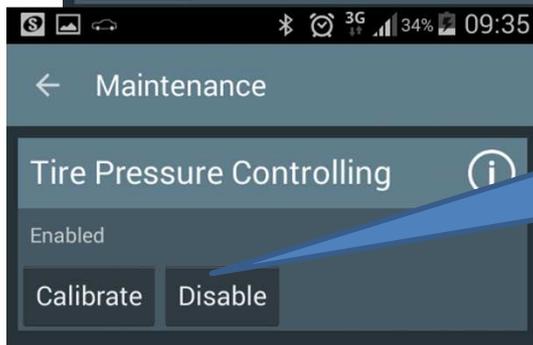
Wartung – Reifendruckkontrolle



1.)
After controlling the tires
, activate the function



2.)
Calibration starts
drive a distance of about 2,5 miles



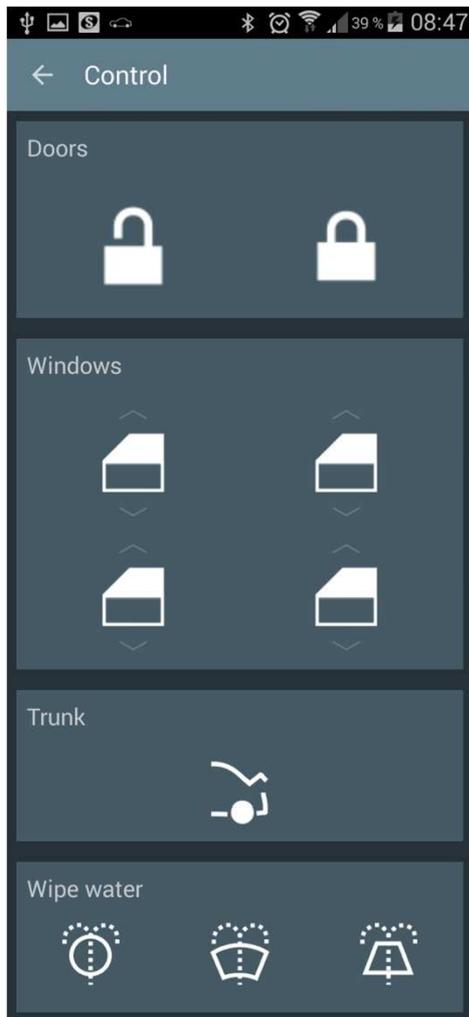
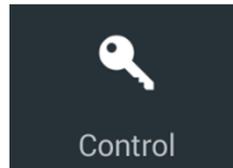
3.) After calibration the system will
state „Enabled“
Now the Tires are checked
periodically

Tire Pressure Controlling



Message in case of a fault

Control



Here you can control the locks, windows and screen wash.

Cockpit



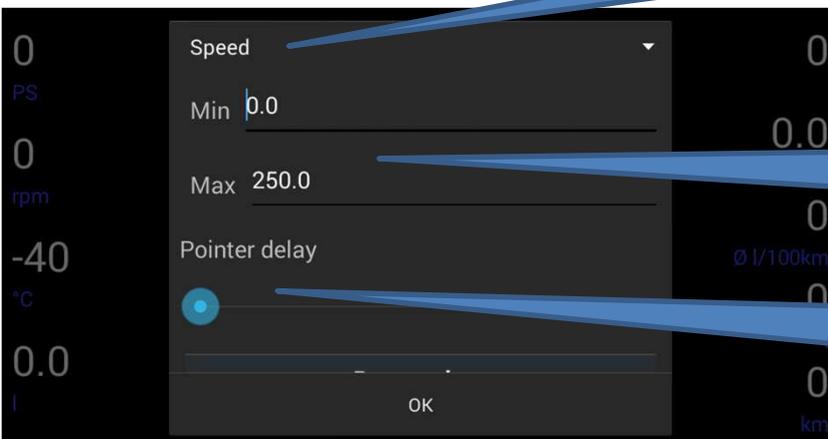
The gauges and bargraphs can be personalized.
The number of custom cockpits can be adjusted inside the „App Seetings“ menu.

The value and the scale can be changed.
If the pointer needle is volatile you can change the Pointer delay.



Hold here

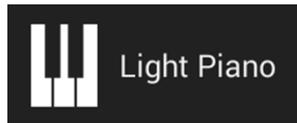
Change value



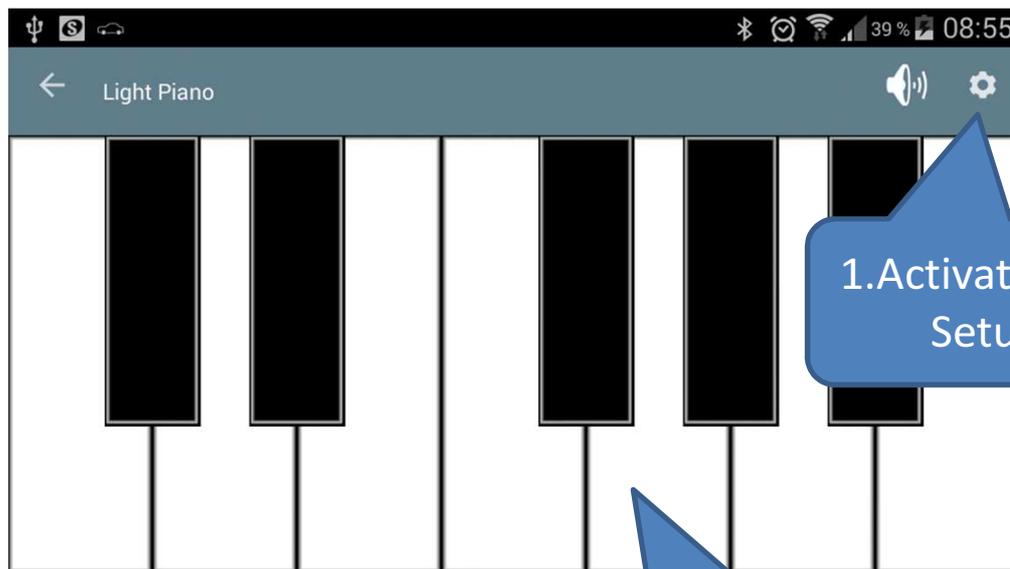
Change scale

Pointer delay

Fun, Light Piano



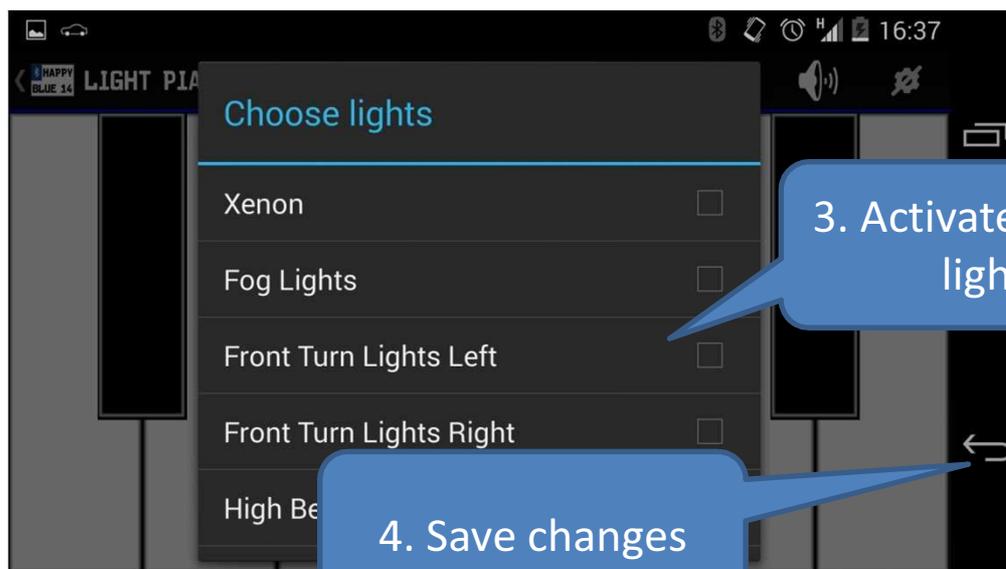
You can assign different lights to every key.



1. Activate/Deactivate Setup Mode

2. Press key

Light Piano



3. Activate desired lights

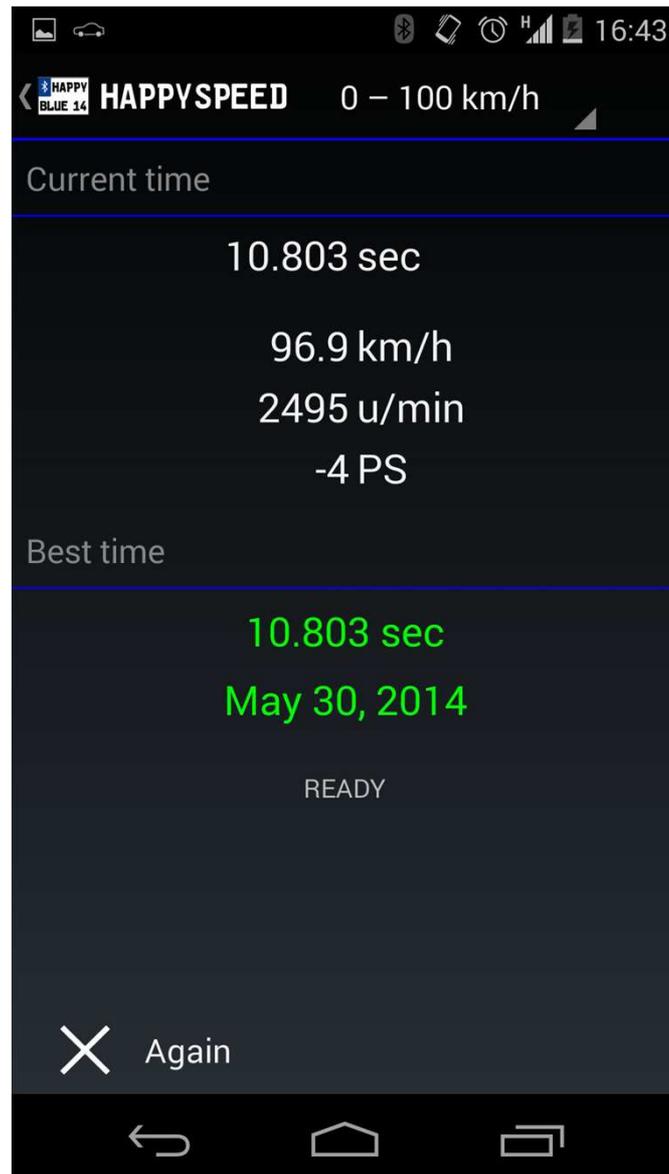
4. Save changes

Setup menu

Fun, Happyspeed

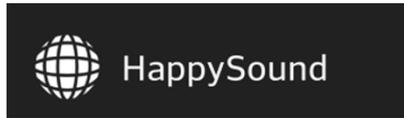


With it you can measure acceleration values.

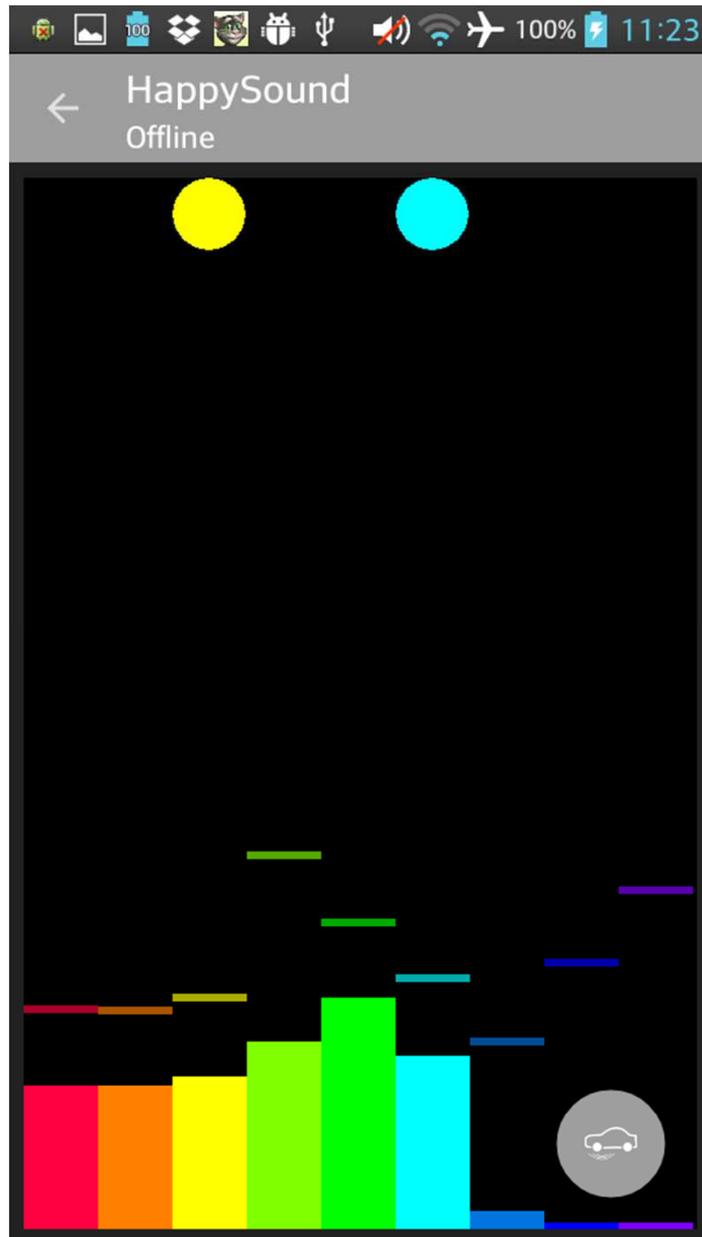


HappySpeed

Fun, HappySound

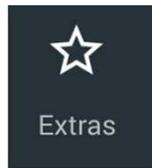


The outside lights will toggle to the beat of the music (3-channel, realtime FFT-Analysis)



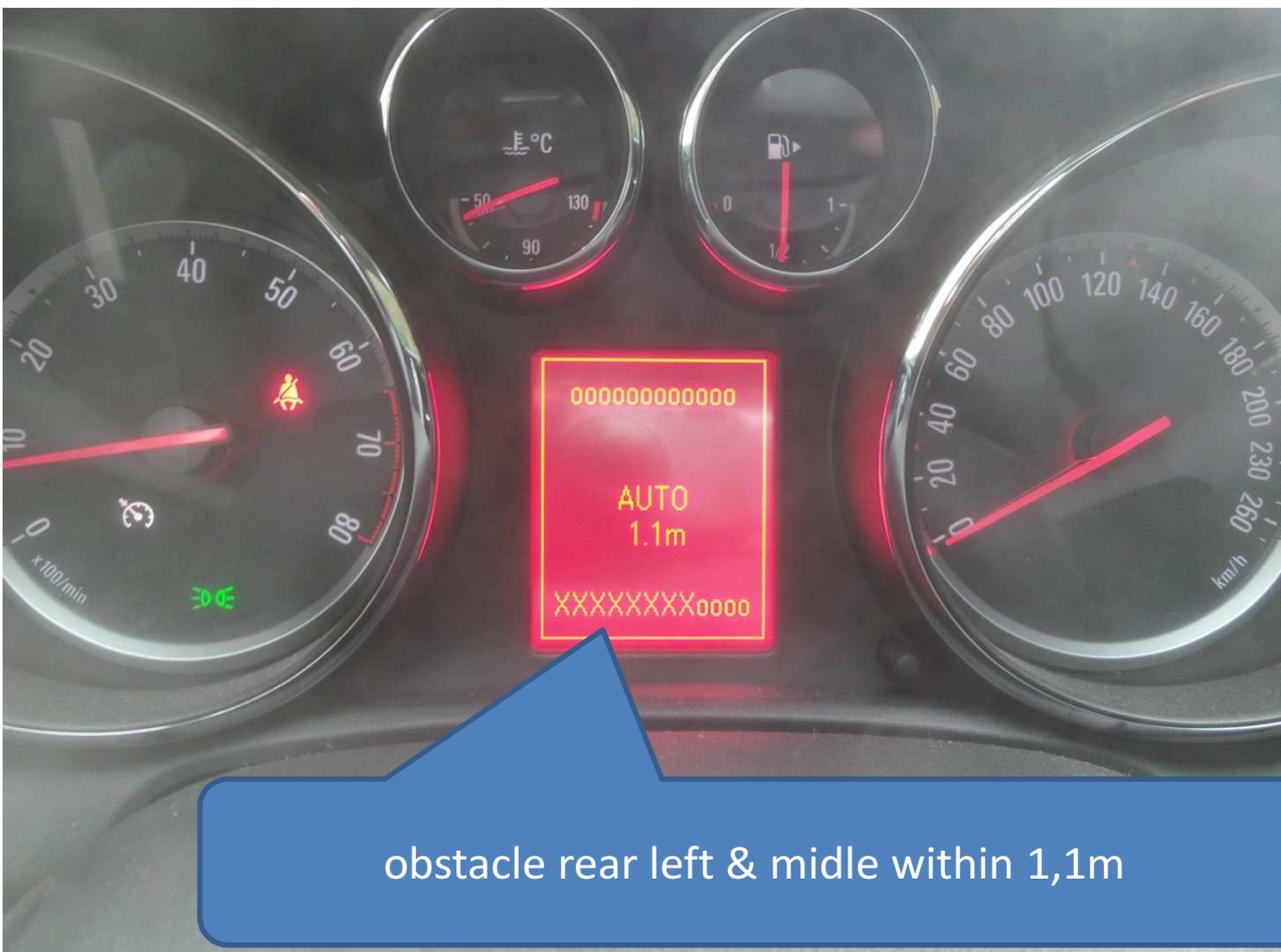
HappySound

Extras



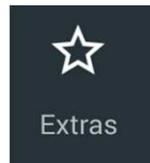
Extras -> IPC Park Assistent

This function shows a Park Assistent visualisation.

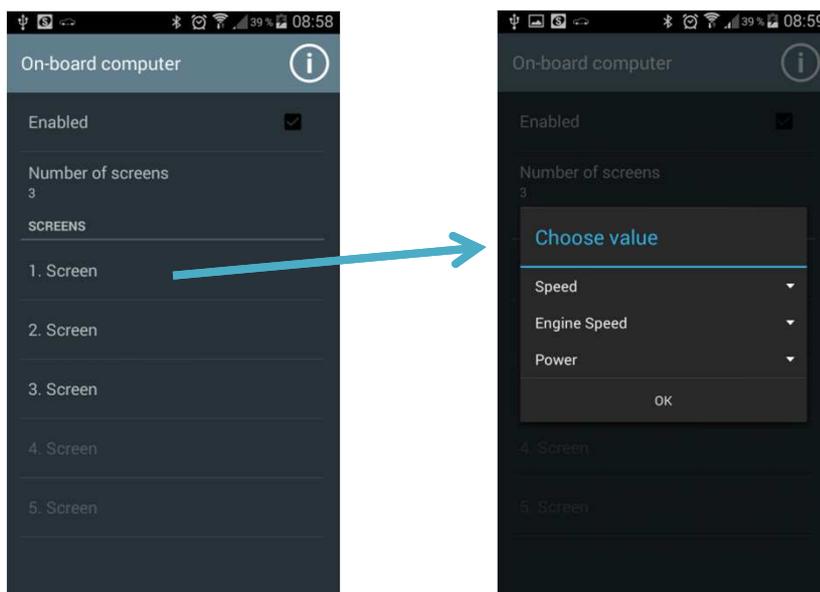


Requirment: You car has the above Instrumentdisplay from modelyear 2010

Extras -> On-Board computer



You can select up to 5 different screen showing up to 3 values in the Instrumentdisplay while driving.



How To:

Doubleclick „Mute“ button to activate the On-Board computer

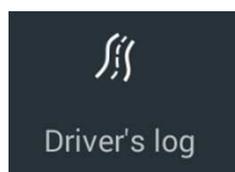
Pressing „Volume +“ and „Volume -“ switches between the screens

Deactivate the function with ther „cancel/set“ Button on the column switch.

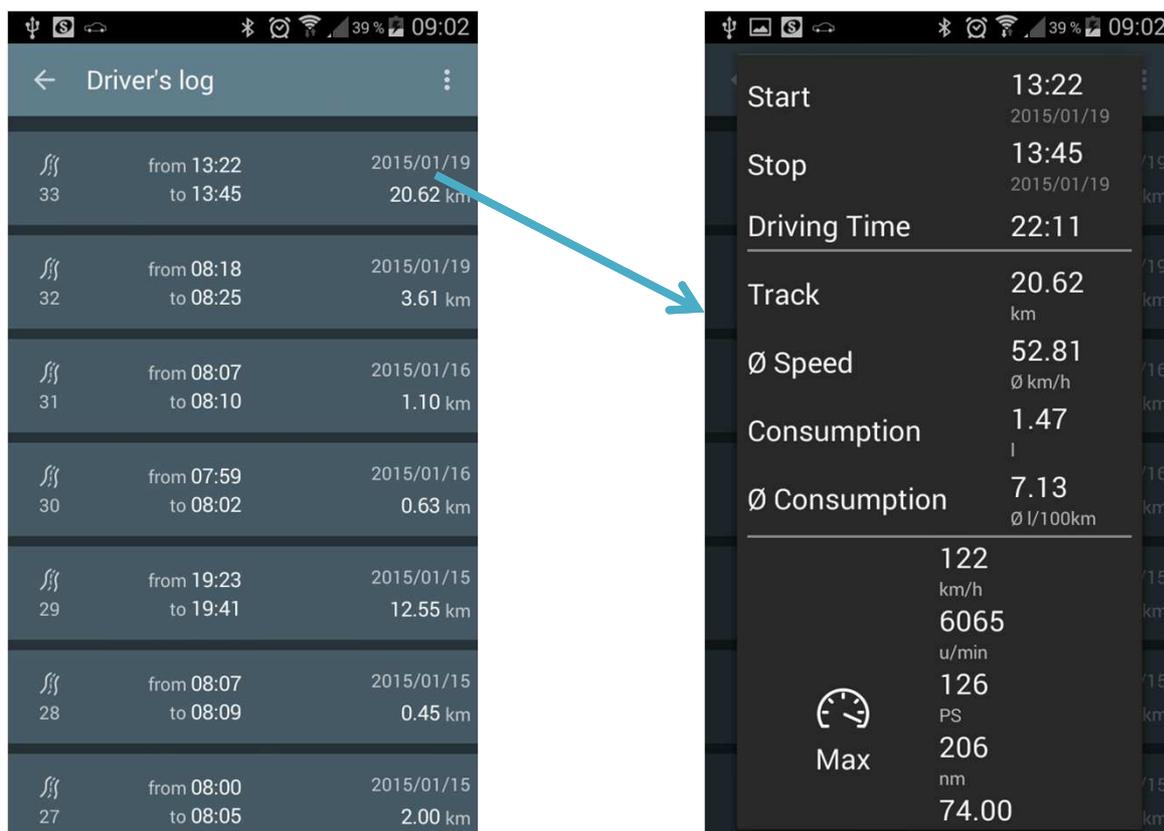


Requirment: You car has the above Instrumentdisplay from modelyear 2010

Driver's log



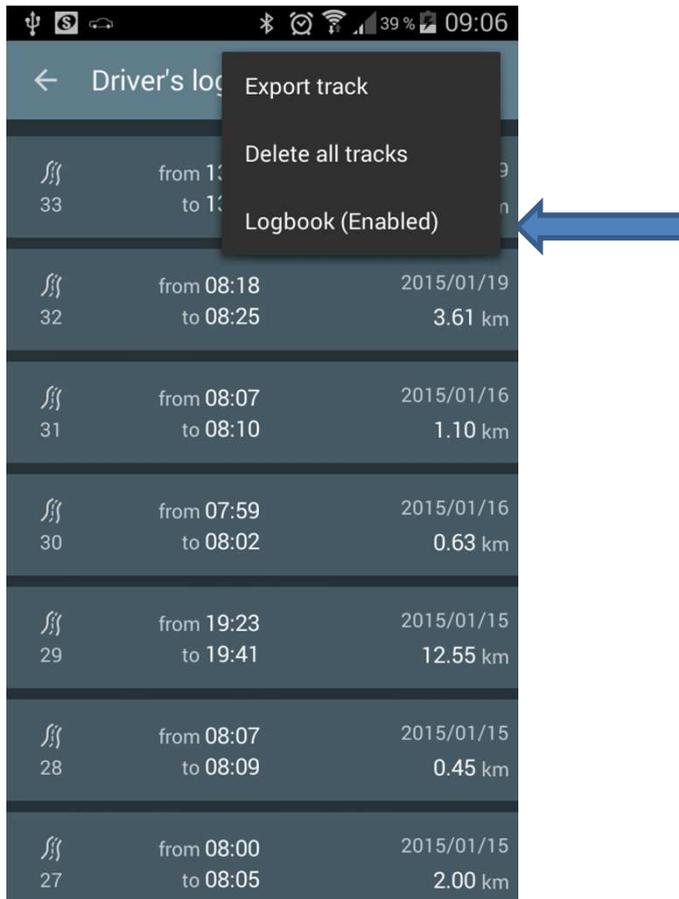
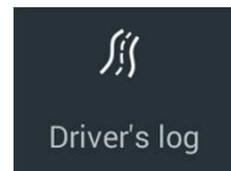
It is recommended to have the „Auto connect“ function turned on.



Driver's log

Driver's log can be exported as a .csv. So you can edit or analyse your driving in e.g. MS Excel.

Driver's log, Logbook (Enabled)



Log all data

By activating this function all data will be stored in a separate .csv
ca. 80kB per Minute. -> 4,8MB per Hour

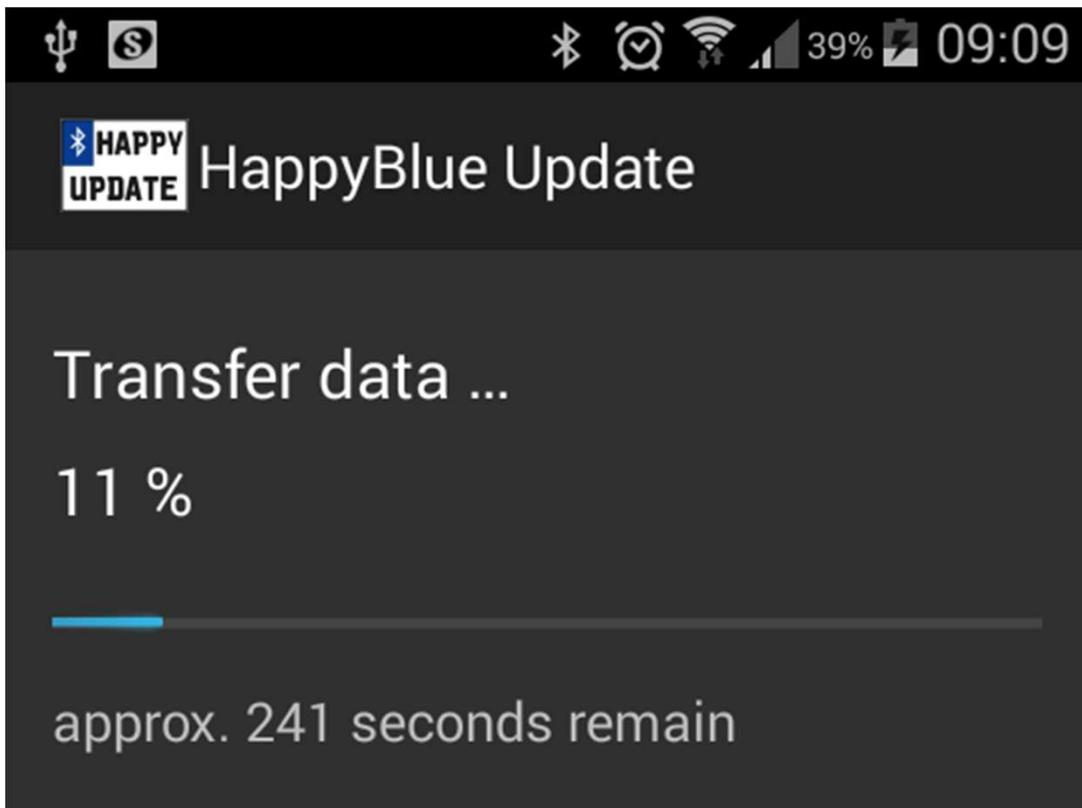
You will find these logs in the folder „...\\HappyBlue“.

Hind:

Dont mix up Driver's log with Logbook.

Update Firmware of the Dongle.

You first have to download the HappyBlue Update App from the Play Store



HappyBlue Update App

Warning: While updating, please keep the ignition turned on and Engine off.

„Auto connect“ function shall be turned off (see page 4).

Legal information:

The range of functions varies depending on model, equipment level and model year.

If you have problems or need other help or found a bug, please contact us on **happyshow.com** or use our forum **forum.happyshow.com**

Some functions might not be allowed in your jurisdiction. The user shall ensure to comply with the legal terms and conditions of the jurisdiction it's used in.

CANtronix UG(haftungsbeschränkt) will not be liable for any loss or damages caused by improper use and/or non-compliance to the laws.

Please always drive safe.