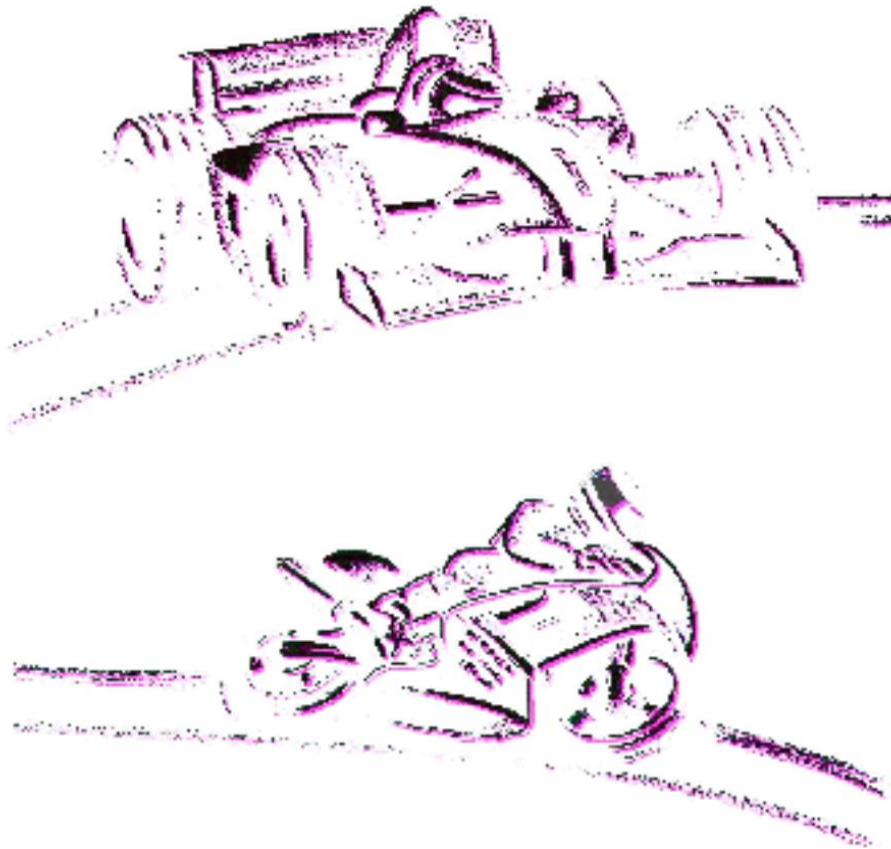


**- English -**



# 2D Wi-Fi interface

**(RealDash interface)**

**General description**

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## 2 Introduction

2D Wi-Fi modules (Sticklogger V4w & WIFI2CAN) are able to send CAN-bus data via Wi-Fi to mobile devices or computers whereby using the application *RealDash*, users can **live visualise** CAN-data (also at the same time on various devices) on Wi-Fi device with customizable dashboards.



Click [here](#) to open YouTube video!



### Further Information

- **Wi-Fi device** can be a PC, Laptop, Smartphone or Tablet

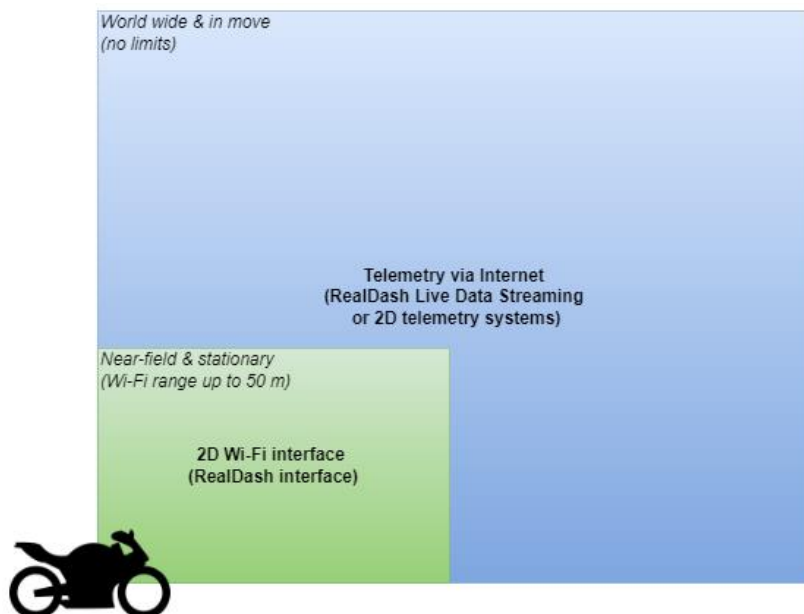
Because Wi-Fi technology is used, the **2D Wi-Fi interface** is suitable for near-field and stationary (or with low speed in near-field) applications for live checking vehicles CAN bus data on Wi-Fi device!

With good Wi-Fi conditions (free line of sight, ...) and external antenna a Wi-Fi range **up to 300 m** can be achieved.

In racing the 2D Wi-Fi interface would be used to visualize e.g., engine data during engine warm-up or quick checking GPS conditions outside box.

For all other applications, e.g., GPS conditions can be quickly checked via **2D Wi-Fi interface**.

Of course, all other CAN bus data from every CAN bus system (also from non 2D CAN systems) can be visualised on customizable RealDash dashboard!



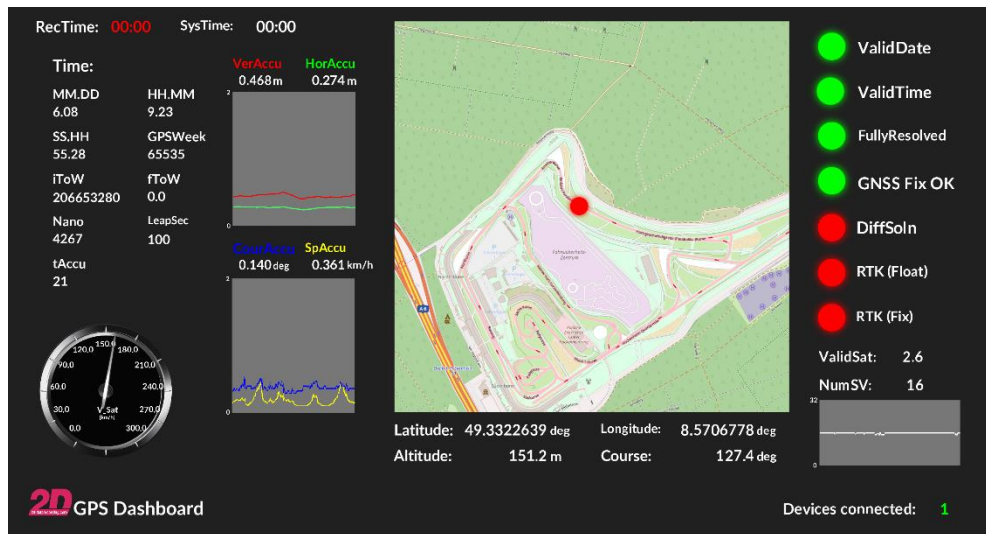
For other applications, where CAN data transmission of a moving vehicle is required, **RealDash Live Data Streaming** (chapter 8) or **2D Telemetry systems via internet** should be used!

By transferring data via internet, the data access from all over the world is possible!

For more information about **2D Telemetry systems via internet**, please contact 2D via email!

## Customizable dashboards

The dashboards can be easily created or edited by the user for its special purpose and application. e.g., to check if a valid GPS/GNSS connection is currently available:



Multiple gauge & visualization types (Graphs, Gauges & Multi-Instruments and Maps) can be used to create own dashboards.

For 2D customers there is a predefined dashboard which covers the following topics:

- GPS/GNSS Overview with RTK flags
- Overview KIT bike parameters
- Heart rate
- Rider dashboard
- Tire monitoring system
- IMU overview



2D **will** soon provide its own 2D RealDash installation which then is available in *Microsoft Store* and *PlayStore!*

### 3 Important information

#### 3.1 *Explanation of terms*

2D-Wi-Fi module	2D module which <b>sends</b> CAN bus data via Wi-Fi
Wi-Fi device	Mobile Wi-Fi device (smartphone, tablet, laptop, computer, ...) which <b>receives</b> CAN bus data via Wi-Fi
Wi-Fi data transmission Point to point	Sending data directly to Wi-Fi device
Wi-Fi data transmission via access point	2D-Wi-Fi module and Wi-fi device are both connected to same access point (local Wi-Fi network, hotspot, ...) and transmission of data is done via the access point.
TargetIDs	Predefined, global RealDash application channels which are used in various other RealDash dashboards.

#### 3.2 *2D RealDash custom build*

In the future 2D will launch an own 2D RealDash collaboration app in *Microsoft Store* and *PlayStore*! Within this custom build all necessary files (dashboards, settings files, ...) will be available.

**For now (for testing) the official RealDash application is used and all necessary files must be downloaded by clicking [here](#)!**

**With 2D RealDash custom build the “playful” menu structure will be eliminated and more 2D related icons and logos will be used!**

#### 3.3 *2D RealDash account on Wi-Fi device*

To have full access to all RealDash application features 2D can hand-out RealDash subscriptions.

Please see chapter 9.1 how to setup an 2D RealDash account.



#### **Further Information**

Creating an 2D RealDash account must only be done one!

Every user can use his account on up to 2 Wi-Fi devices!

## 4 Wi-Fi connectivity

The transmission of CAN-data via Wi-Fi can either be point to point or via access point, for 2D Wi-Fi interface only Point-to-Point connection is normally used.

### **Point to point:**

2D-Wi-Fi-module sends data directly to Wi-Fi device



### 4.1 **2D Wi-Fi modules**

Since 2022 2D provides different Wi-Fi interface modules which are sending the CAN data via Wi-Fi to Wi-Fi devices (Smartphone, tablet, laptop, computer, ...):

- WIFI2CAN ([Datasheet](#))
- Sticklogger with built-in Wi-Fi module
  - o Sticklogger V4W/V4We ([Datasheet](#))
- DashTFT with built-in Wi-Fi module ([Datasheet](#))

## 5 2D modules setting

### 5.1 CAN bus & Winlt channel grid

At normal CAN-bus systems the data transmission at every CAN-identifier, 64-bit are available as load.

So, with 64-bit, either two 32-bit channels, four 16-bit channels or eight 8-bit channels (or a mix of 32-, 16-, 8-bit channels) can be transmitted with one CAN-identifier.

In the Winlt channel grid, the channels are always marked with different background colors, which represents the grouping of the different channels.

Example - 2D Modules CALC channels:

Calc#17	Four 16-Bit channels are referred as a group
Calc#18	
Calc#19	
Calc#20	
Calc#21	Four 16-Bit channels are referred as a group
Calc#22	
Calc#23	
Calc#24	
Calc#25	Two 32-Bit channels are referred as a group
Calc#26	
Calc#27	Two 32-Bit channels are referred as a group
Calc#28	



#### Important information

Channel groups are shown as respective groups in the column sorting only!

This grouping is also important when different channels of 2D modules are sent to the CAN bus, since the idea of 64-bit CAN identifiers must be observed here as well.

2D Modules CAN-interface group:

Four 16-Bit channels can be sent as one group			
0x000	Default	Calc#21	Calc#22
0x000	Default	Calc#25	Calc#26
Two 32-Bit channels can be sent as one group			

2D Modules CALC channels are therefore often used for regrouping (preparing) different channels for sending out on CAN-bus.

## 5.2 Regrouping channels via 2D modules CALC channels

Regrouping means that 2D modules channels (received channels and modules internal channels) can be arranged in CALC channels in such a way that four 16-bit or two 32-bit channels are each combined in a single, new CAN identifier for sending on CAN-bus.

By regrouping via 2D Modules CALC channels the following things can be achieved:

- Sending Logger-internal channels to CAN bus
- CAN-channels received on another CAN bus (Channel routing)
- Combing CAN-channels on one new CAN identifier to send to CAN bus

Since with the 2D Wi-Fi interface the channels are also transmitted in 64-bit identifiers over Wi-Fi to the Wi-Fi device and a channel settings file must be used on the RealDash side, regrouping of the channels is applied with the 2D Wi-Fi interface to achive the following points:

- ➔ Sending internal **SIO**-GPS channels to CAN bus
- ➔ Sending channels which were received on one CAN bus to another
  - Important when using WIFI2CAN module
- ➔ Only using as few CAN identifiers as possible to keep CAN bus load low
- ➔ Creation of a generality



### 5.2.1 Routing examples

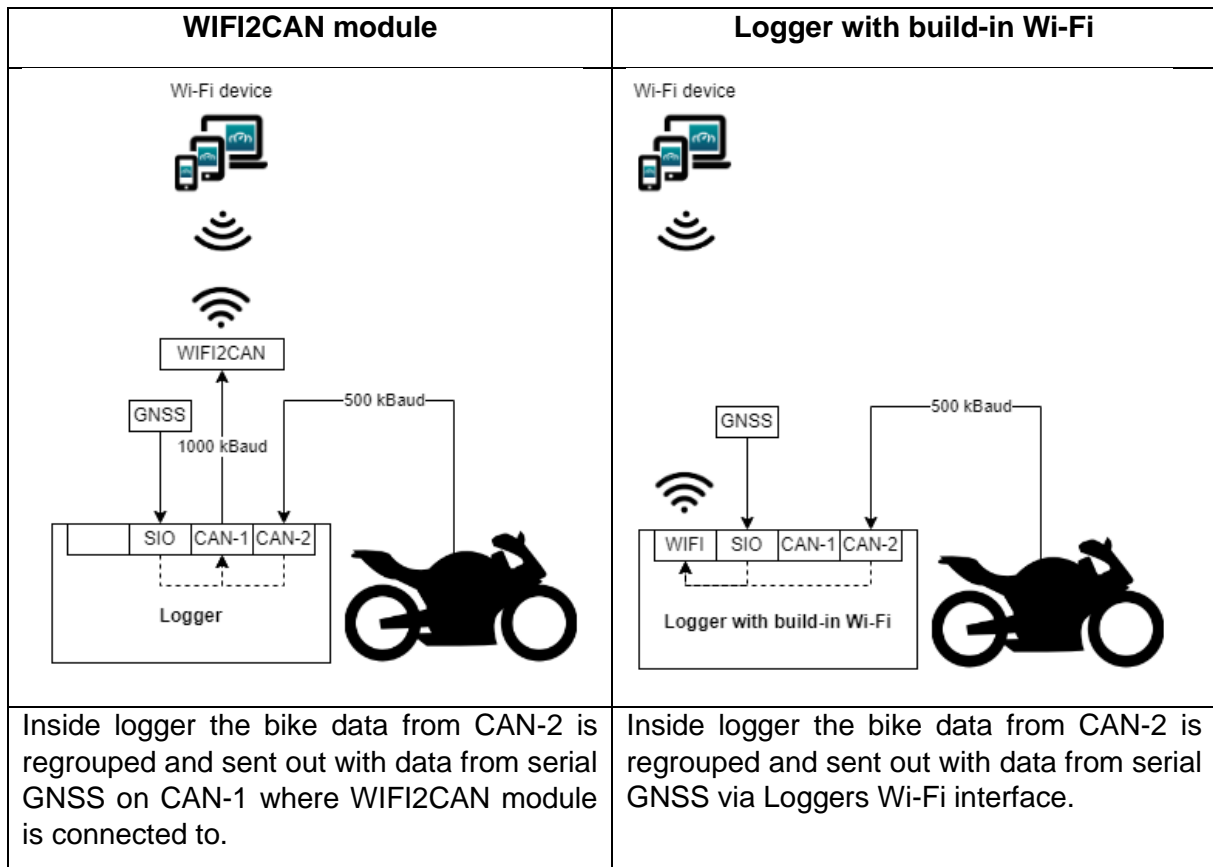
In both examples, the CAN bus of the test bike is connected to the logger CAN-2.

This CAN bus is that it communicates with a baud rate of 500 kBaud.

All other 2D CAN modules are normally communicating with 1000 kBaud.

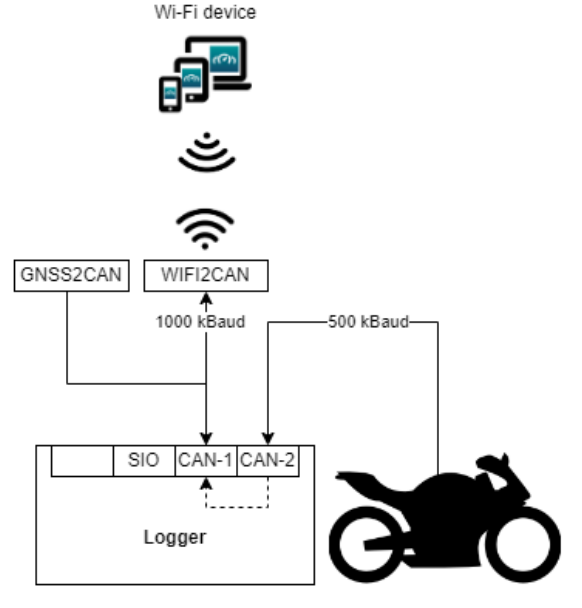
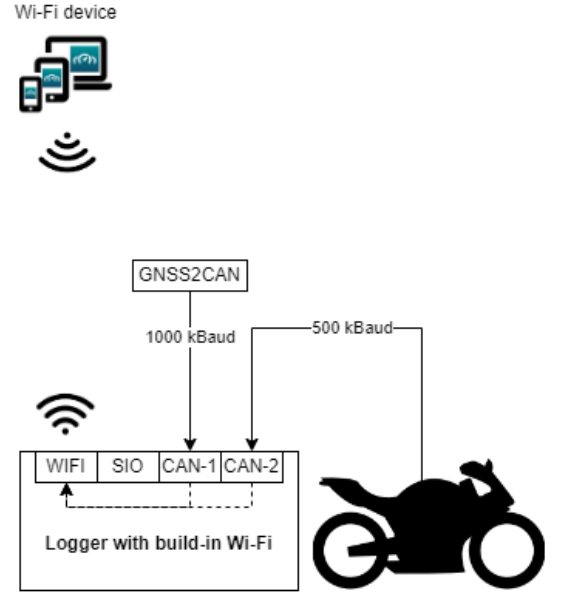
#### 5.2.1.1 Bike data + Serial GNSS

Here at the logger, a serial GNSS module is connected.



### 5.2.1.2 Bike data + GNSS2CAN module

Here at CAN-1, a GNSS2CAN module is connected.

WIFI2CAN module	Logger with build-in Wi-Fi
	
<p>Inside logger the bike data from CAN-2 is regrouped and sent out CAN-1 where WIFI2CAN module is connected to.</p> <p>GNSS2CAN module already sends it data where WIFI2CAN module is connected to, so no regrouping is necessary here.</p>	<p>Inside logger the bike data from CAN-2 is regrouped and sent out via Loggers Wi-Fi interface.</p> <p>Also inside logger, the data from GNSS2CAN is sent out via Loggers Wi-Fi interface.</p>

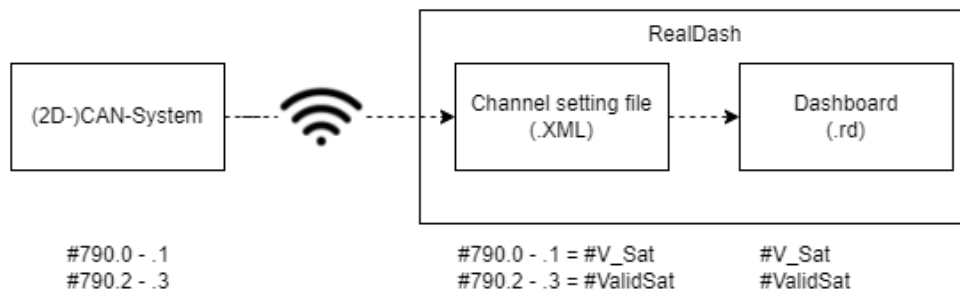
### 5.3 Channel setting file (XML)

A connected Wi-Fi device (with RealDash application installed) receives the IDs and inside RealDash app a *RealDash CAN Channel Description File* (.XML) must be loaded which links the identifiers to the RealDash channel names and, if possible, to RealDash TargetIDs.



#### Further Information

The more TargetIDs used, the more other *RealDash* dashboards CAN be used. Click [here](#) to see a list of RealDash TargetIDs.



#### Further Information

The *RealDash CAN Channel Description File* (.XML) describes how data in CAN frames are interpreted by RealDash.

Because of the use of .XML file the channels to be sent via Wi-Fi for displaying in RealDash application on Wi-Fi device, must be **regrouped in Loggers-CALC channels**, that on RealDash side the channel names are always remain the same.



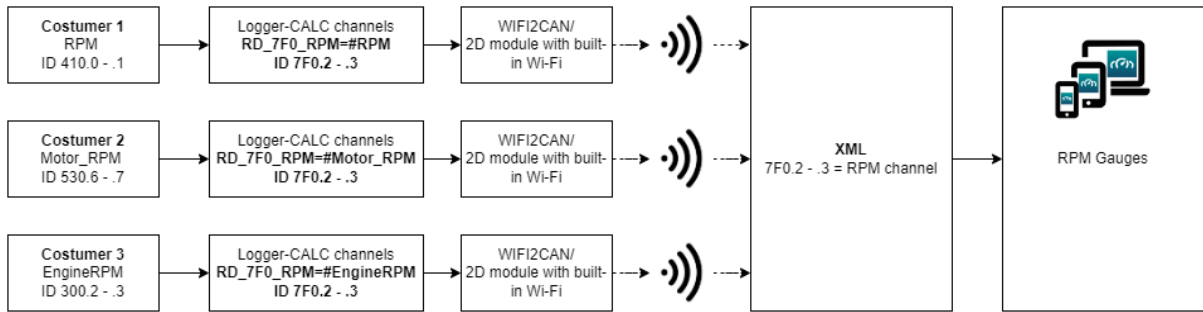
#### Further Information

2D already provides settings which are organized in correct order that the user only must fill in the channels names of his measurement system.

### XML-Example with CAN-ID 0x7F0:

```
<frame canId="0x7F0" endianness="big">
  <value name="VehicleSpeed" units="km/h" offset="0" length="2" conversion="v/100" rangeMin="0" rangeMax="650" signed="False" />
  <value name="RPM" units="" offset="2" length="2" conversion="v/4" rangeMin="0" rangeMax="100" signed="False" />
  <value name="Throttle" units="%" offset="4" length="2" conversion="v/10" rangeMin="0" rangeMax="100" signed="False" />
  <value name="Gear" units="#" offset="6" length="2" rangeMin="0" rangeMax="15" signed="False" />
</frame>
```

Another point of regrouping is that at different applications/costumers the respective channels are not always named the same and not always received on same CAN-ID.



Without regrouping via Loggers CALC channels every application/costumer would need an individual channel setting file where its channels are linked to RealDash channel.

Therefore, the Loggers-CALC channels are used to always send the RPM channel on same ID, e.g., 7F0.2 - .3, and use this ID in XML to link the RPM channel to its gauges in RealDash.

For some channels instead of new names, the RealDash-TargetIDs can be used:

➔ TargetID 37 is RPM

```
<frame canId="0x7F0" endianness="big">
  <value targetId="64" units="km/h" offset="0" length="2" conversion="v/100" rangeMin="0" rangeMax="650" signed="False" />
  <value targetId="37" units="" offset="2" length="2" conversion="v/4" rangeMin="0" rangeMax="100" signed="False" />
  <value targetId="42" units="%" offset="4" length="2" conversion="v/10" rangeMin="0" rangeMax="100" signed="False" />
  <value targetId="139" units="#" offset="6" length="2" rangeMin="0" rangeMax="15" signed="False" />
</frame>
```

Because of this organisation with XML it is very important that every time same four channels (e.g., VehicleSpeed, RPM, Throttle, Gear) from on XML-group are send on in XML defined CAN-ID (7F0).

**2D already provides a predefined XML and RealDash dashboard which covers GPS/GNSS overview, KIT bike parameters, Heart Rate Sensor, Tire monitoring system and IMU overview)**

### 5.3.1 Regrouping channels

Because at RealDash at the moment only 16-bit channels are used, the channels are regrouped in groups of four:

```
<frame canId="0x7F0" endianness="big">
  <value targetId="64" units="km/h" offset="0" length="2" conversion="V/100" rangeMin="0" rangeMax="650" signed="False"
  <value targetId="37" units="" offset="2" length="2" conversion="V/4" rangeMin="0" rangeMax="100" signed="False"
  <value targetId="42" units="" offset="4" length="2" conversion="V/10" rangeMin="0" rangeMax="15" signed="False"
  <value targetId="139" units="#" offset="6" length="2" conversion="" rangeMin="0" rangeMax="" signed="False"
</frame>

<frame canId="0x7F1" endianness="big">
  <value targetId="152" units="celsius" offset="0" length="2" conversion="V/10" rangeMin="0" rangeMax="" signed="False"
  <value targetId="151" units="Bar" offset="2" length="2" conversion="V/10" rangeMin="0" rangeMax="" signed="False"
  <value targetId="14" units="celsius" offset="4" length="2" conversion="V/10" rangeMin="0" rangeMax="" signed="False"
  <value targetId="27" units="celsius" offset="6" length="2" conversion="V/10" rangeMin="0" rangeMax="" signed="True"
</frame>
```

The grouping is done via Loggers CALC channels with the *RealDash\_Empty* setting where the customer fills his specific channels and sets the send IDs in logger setting:

1. Read in the system via Winlt
2. Navigate to the CALC channels of the logger and check if at least 4 consecutive CALC channels of a white or grey colored block are free



**Further Information**

If not, the CALC channels can be reorganized by copy/paste channels. Be careful when at calculations the channel number instead of channel name is used!

3. In Winlt-tab *File* click on *Load device from file* to open file manager

**\*\*See 2D RealDash\_EMPTY.LDD file in downloaded ZIP folder (chapter 3.2)\*\***

4. Inside opened file manager, select and open file *RealDash\_EMPTY.LDD*

- In opened *RealDash\_Empty.LDD* check for which of the provided RD\_ channels a channel from currently used 2D system is matching and insert the respective channel in *Analysis* tab CALC channel with #.

Name	Sensor info
RD_7F0_VehicleSpeed	#U_Sat
RD_7F0_RPM	#EngineRPM
RD_7F0_Throttle	#Throttle
RD_7F0_Gear	#GearNR
RD_7F1_EngineOilTemp	#TOil
RD_7F1_EngineOilPressu	#POil
RD_7F1_CoolantTemp	#T_Wat
RD_7F1_AirIntakeTemp	

### Further Information

Sometimes not for every RD\_ channel a matching channel is available → e.g., RD\_7F1\_AirIntake remains empty

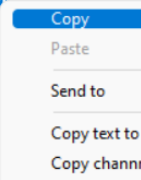


Channels from all CAN bus of logger can be used here

Also, formulars can be entered instead of only channel name or name of RD\_ channel can be changed for recording

- Now select **all four channels** of the desired **group** and copy

Name	Sensor info
RD_7F0_VehicleSpeed	#U_Sat
RD_7F0_RPM	#EngineRPM
RD_7F0_Throttle	#Throttle
RD_7F0_Gear	#GearNR
RD_7F1_EngineOilTemp	#TOil
RD_7F1_EngineOilPressu	#POil
RD_7F1_CoolantTemp	#T_Wat
RD_7F1_AirIntakeTemp	



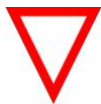
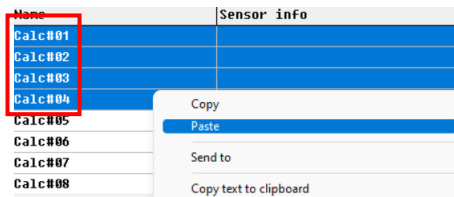
### Important information

Group means all channels of e.g. ...7F0...!

Always select all four channels of a group!

- Navigate to **Loggers** CALC-channel

- Insert the four copied channels to four consecutive free channels with same color (white or grey)



**Important information**

Always insert the four copied channels in respectively by WinIt grouped channel grids! Background is that always a group (...7F0...) must be send as one CAN-identifier later on!

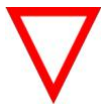


**Further Information**

Ensure that all RD\_ channels are at least switched on.

Recording is only necessary in special cases (Gear\_Calc with table formular)

- Repeat previous step until all desired channels are in logger CALC



**Important information**

Always just copy all four channels in RealDash\_Empty.LDD and do not change order or delete RD\_channels in loggers CALC!

The order is very important because of the link from CAN IDs to XML file!

**10. At this point it must be distinguished between WIFI2CAN and all other modules with built-in Wi-Fi**

(When finishing this step, the RealDash application on Wi-Fi device must be opened for next setup steps)

10a. WIFI2CAN module

At WIFI2CAN module with enabled RealDash interface, **all** on CAN bus send messages are automatically transmitted via Wi-Fi.

Nevertheless, the regrouping via CALC channel must also take place here.

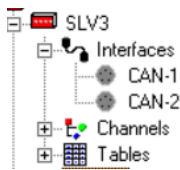


**Further Information**

The regrouped Logger CALC channels are sent via the CAN-IDs 7F0, 7F1, ... to the CAN-bus where WIFI2CAN is connected.

In XML the CAN-IDs 7F0, 7F1, ... are then linked to RealDash dashboard channels!

- a) Navigate to Loggers *Interface* and select the **CAN-bus** at which WIFI2CAN module is connected and go to Tab *CAN-IDs*



- b) Enter the used CAN-IDs of RD\_ channels to send channels on CAN

0x7F0	Default	RD_7F0_VehicleSpeed	RD_7F0_RPM
0x7F1	Default	RD_7F1_EngineOilTemp	RD_7F1_EngineOilPressure
0x790	Default	U_Sat	ValidSat
0x791	Default	Lat_dez	
0x792	Default	Altitude	
0x793	Default	HorAccu	VerAccu

**Please enter the respective CAN-Send IDs from RD\_-channels here! It is very important that the respective CAN-IDs (RD\_7F0\_... → CAN-ID 7F0) are used!**



**Important information**

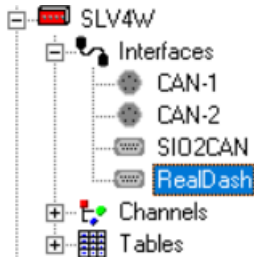
If GPS/GNSS2CAN is connected to **other** CAN-bus or **serial** GPS/GNSS mouse is used, also the GPS Send-IDs 790-793 must be typed in here!



### 10b. Other modules with built-in Wi-Fi

Since beginning of 2022 in 2D portfolio there are also modules (e.g., Sticklogger V4w) with built-in Wi-Fi available which can be used for wireless WinIt communication with 2D CAN system and for sending CAN bus data to mobile devices for displaying.

When reading in respective modules in *WinIt* in group *Interfaces* connection called *RealDash* is shown:



Inside *RealDash* interface, it can be chosen which CAN-IDs are sent via Wi-Fi to Wi-Fi device.

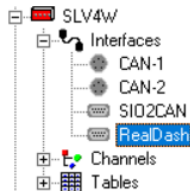
By entering a CAN-ID in the grid the respective channels are sent via *RealDash* Wi-Fi interface.



#### Further Information

In default configuration the GPS CAN send identifier 790 – 793 are already entered in this grid.

- a) Navigate to Loggers *Interface* and select the **RealDash** at which WIFI2CAN module is connected and go to Tab *CAN-IDs*



- b) Enter the used CAN-IDs of RD\_ channels to send channels on CAN

0x7F0	Default	RD_7F0_VehicleSpeed	RD_7F0_RPM
0x7F1	Default	RD_7F1_EngineOilTemp	RD_7F1_EngineOilPressure
0x790	Default	U_Sat	ValidSat
0x791	Default	Lat_dez	
0x792	Default	Altitude	
0x793	Default	HorAccu	VerAccu

**Please enter the respective CAN-Send IDs from RD\_-channels here! It is very important that the respective CAN-IDs (RD\_7F0\_... → CAN-ID 7F0) are used!**



#### Important information

Also, the GPS Send-IDs 790-793 must be typed in here, because at this modules they are not sent automatically to *RealDash* interface!

## 6 RealDash setting on Wi-Fi device

### 6.1 2D RealDash dashboard



#### Further Information

RealDash Dashboard file has the extension .rd

1. Open RealDash application on Wi-Fi device and navigate to Gallery → Community
2. Press on MyRealDash button to be linked on MyRealDash website
3. Navigate to Dashboard and follow *Default 2D template for RealDash interface*
4. Go back to RealDash application on Wi-Fi device and navigate to Gallery → Community and click on Icon *Default 2D template for RealDash interface* and download and use file

**\*\*Default template can be duplicated and edited as desired\*\***

**OR:** Load provided Dashboard file (.rd) via Gallery → Recent → Load from file

**\*\*See 2D\_RealDash.rd file in downloaded ZIP folder (chapter 3.2)\*\***

## 6.2 Set 2D Wi-Fi connection

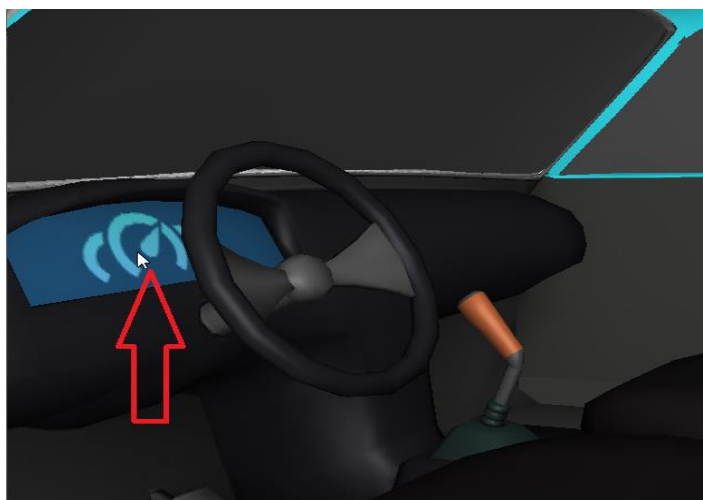
1. Press Enter key or click anywhere on the most upper part of the screen to view the main RealDash menu and go to *Garage*,



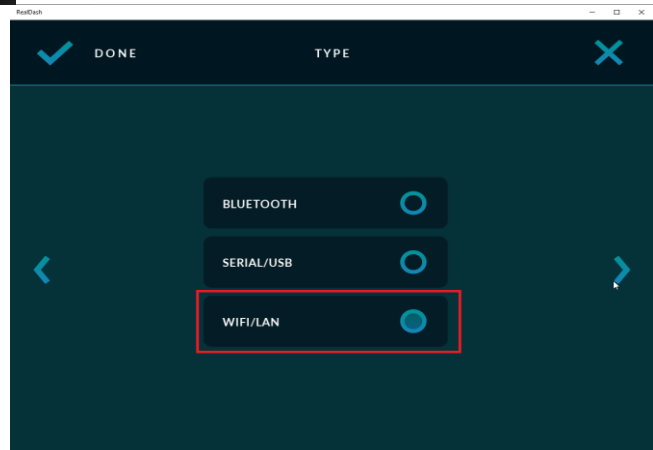
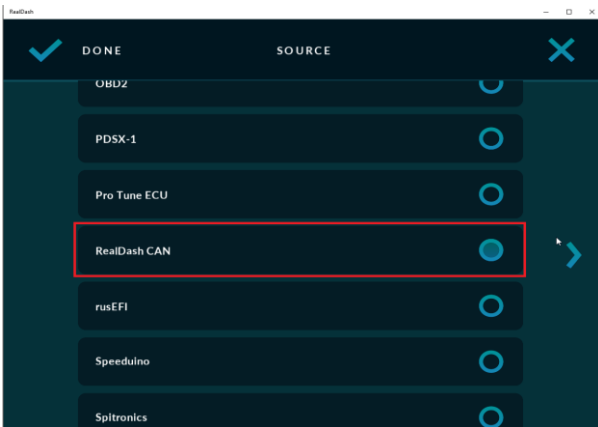
2. Click on the car's front door



3. Click on the dashboard



Click on *Add* and select *Adapters (CAN/LIN)* → *RealDash CAN* → *WiFi/LAN* and use right arrow to go to next page



4. Enter the WIFI2CAN module IP **192.168.4.1** (for point to point connection or the respective IP if connected to access point) in the adapter IP address field

ADAPTER IP ADDRESS

192.168.4.1

WIFI2CAN module: Use Adapter Port **35000**

ADAPTER PORT

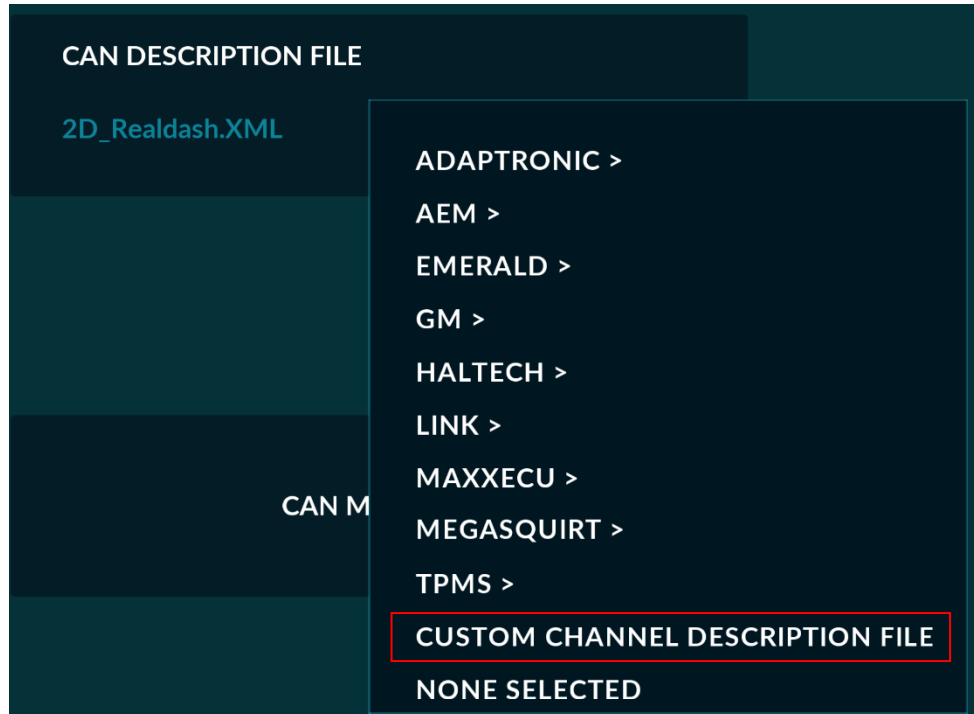
35000

Other 2D modules with built-in Wi-Fi: Use Adapter Port **5890**

ADAPTER PORT

5890

- Use right arrow to go to next page and click on CAN DESCRIPTION File to open sub menu where via CUSTOM CHANNEL DESCRIPTION FILE a *RealDash CAN Channel Description File* (.XML) must be loaded



#### Further Information

The *RealDash CAN Channel Description File* (.XML) describes how data in CAN frames are interpreted by RealDash (chapter 5).

**\*\*See 2D\_RealDash.XML file in downloaded ZIP folder (chapter 3.2)\*\***

- If a 2D-Wi-Fi module is already connected via *CAN MONITOR*, it can be checked if CAN data is received at Wi-Fi device
- Go back to RealDash dashboard and see if gauges working correctly



#### Important information

With 2D RealDash custom build the “playful” menu structure will be eliminated!

## 7 RealDash – Can Monitor

**RealDash application in combination with WIFI2CAN module** (WIFI2can module because all CAN identifiers from respective CAN are transferred via Wi-Fi to Wi-Fi device) can also be used to monitor the complete CAN bus.

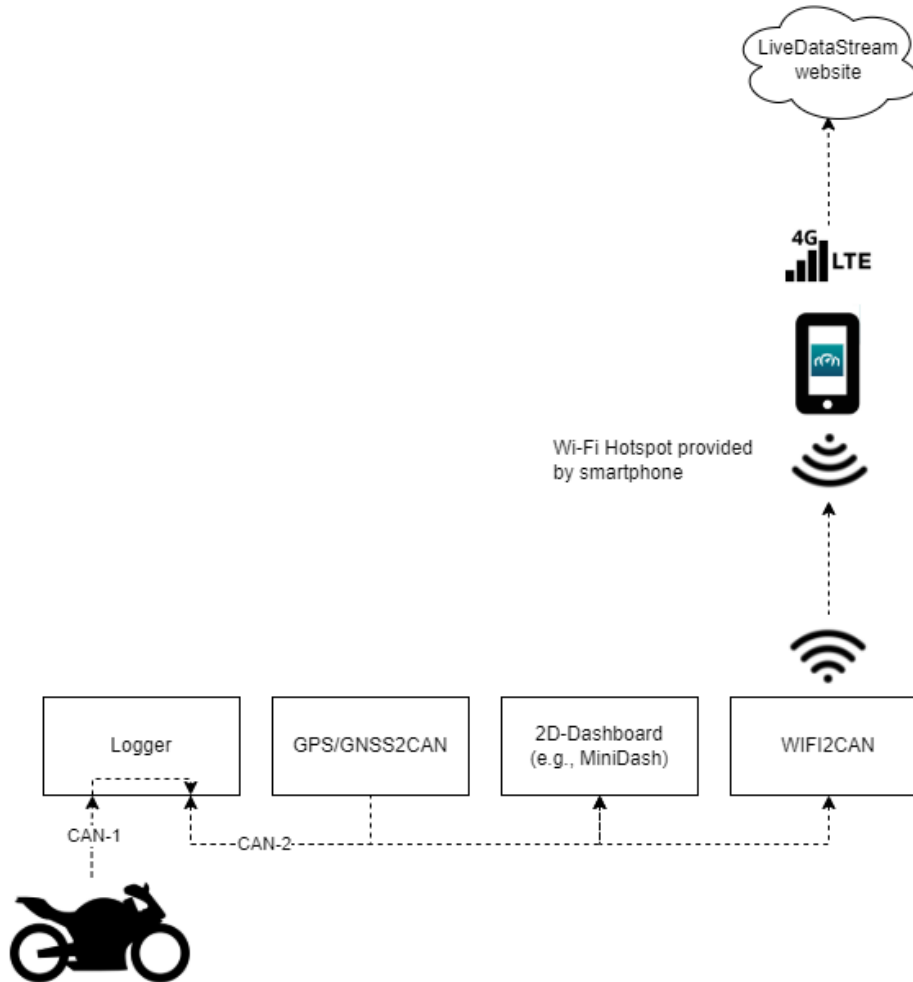
Different debug tools like signed/unsigned, or endianness switches are available for debugging the CAN data:



To open CAN monitor go to respective connection via *Garage*.

## 8 RealDash - LiveDataStreaming

Using RealDash application on a smartphone with an internet connection, the data displayed in RealDash application can be streamed to a RealDash website, which can be shared to other users like the mechanic in box.



### Important information

The Wi-Fi device used must be able to run RealDash application and providing a Wi-Fi hotspot with valid internet connection at same time!

At CAN-1 the bike is connected and because also some of the bikes channels (rerouted via loggers CALC channels) are send with new CAN-IDs (e.g, 7F0, 7F1, ...) on CAN-2 where, beside the GPS/GNSS2CAN antenna and the 2D Dashboard, also the WIFI2CAN module is connected to.

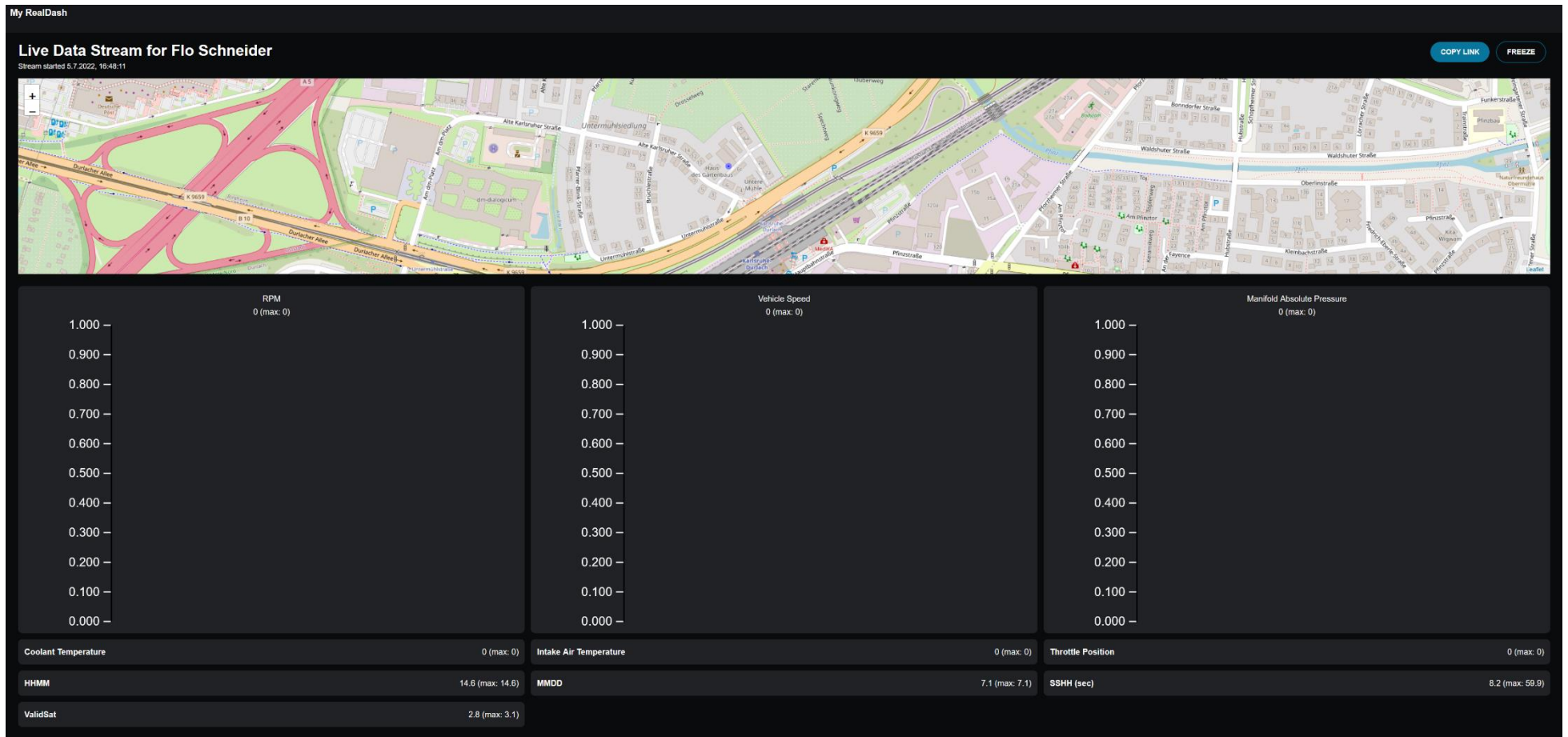
The smartphone can either be act only as an interface to website (sending CAN data from CAN-2 to the LiveDataStreaming website) or also can be used as display instead of 2D-dashboards to display laptimes and bike parameter for mechanics.

Because the LiveDataStream website is not yet hosted by 2D only some values are displayed on website.

Via URL shared Live Data Stream website:

User-definable parameters (e.g., HHMM, MMDD, SSHH and ValidSat) can be displayed on RealDash Live Data Stream website.

On RealDash website we are currently limited to RealDash preferences, so beside GPS map, the by user selected values to be displayed on website are just displayed with one format (see SSHH, ValidSat):



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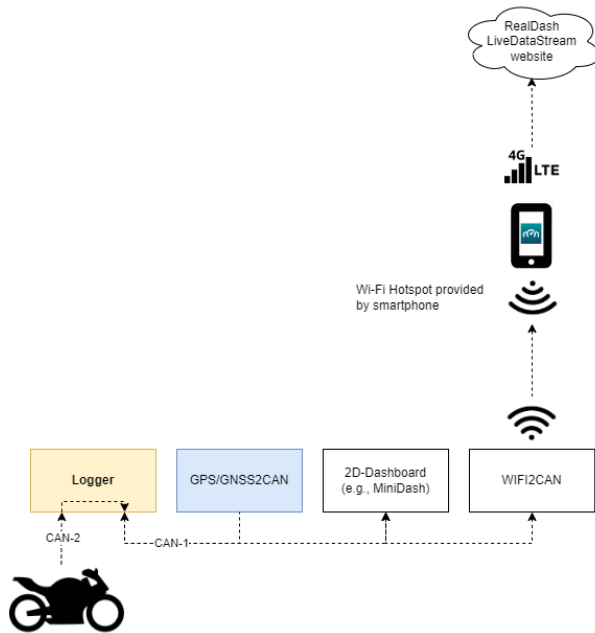


### Option 1

### Option 2

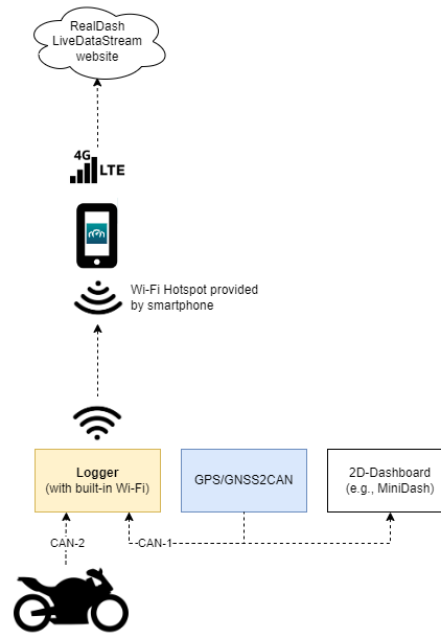
### Option 3

### Option 4



The Logger regroupes the channels and sends out to CAN-1 where WIFI2CAN module is connected to. WIFI2CAN module sends the CAN channels to connected smartphone.

Serial GPS/GNSS modules can also be connected via serial port of logging modules



The Logger regroupes the channels and sends the channels to connected smartphone via built-in Wi-Fi module

Serial GPS/GNSS modules can also be connected via serial port of logging modules



The DashTFT regroupes the channels and sends the channels to connected smartphone via built-in Wi-Fi module

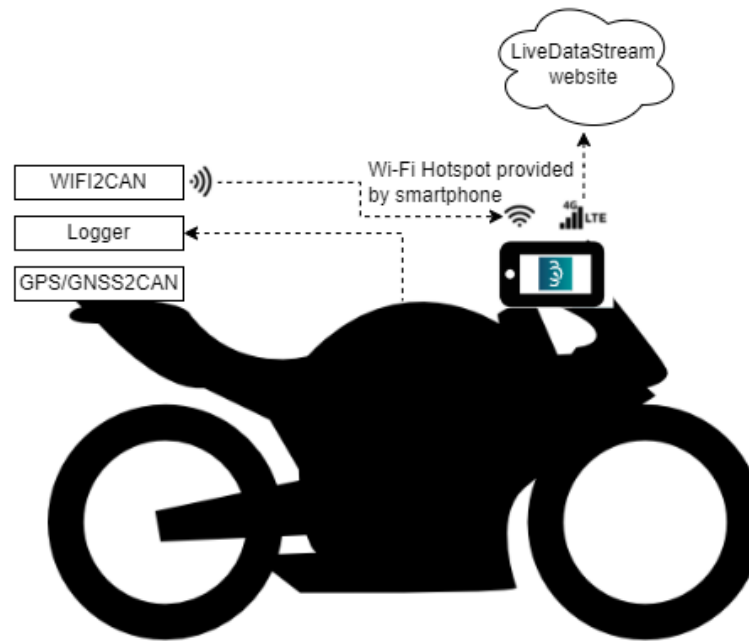
Serial GPS/GNSS modules can also be connected via serial port of logging modules



The MiniDash regroupes the channels and sends the channels to connected smartphone via built-in Wi-Fi module

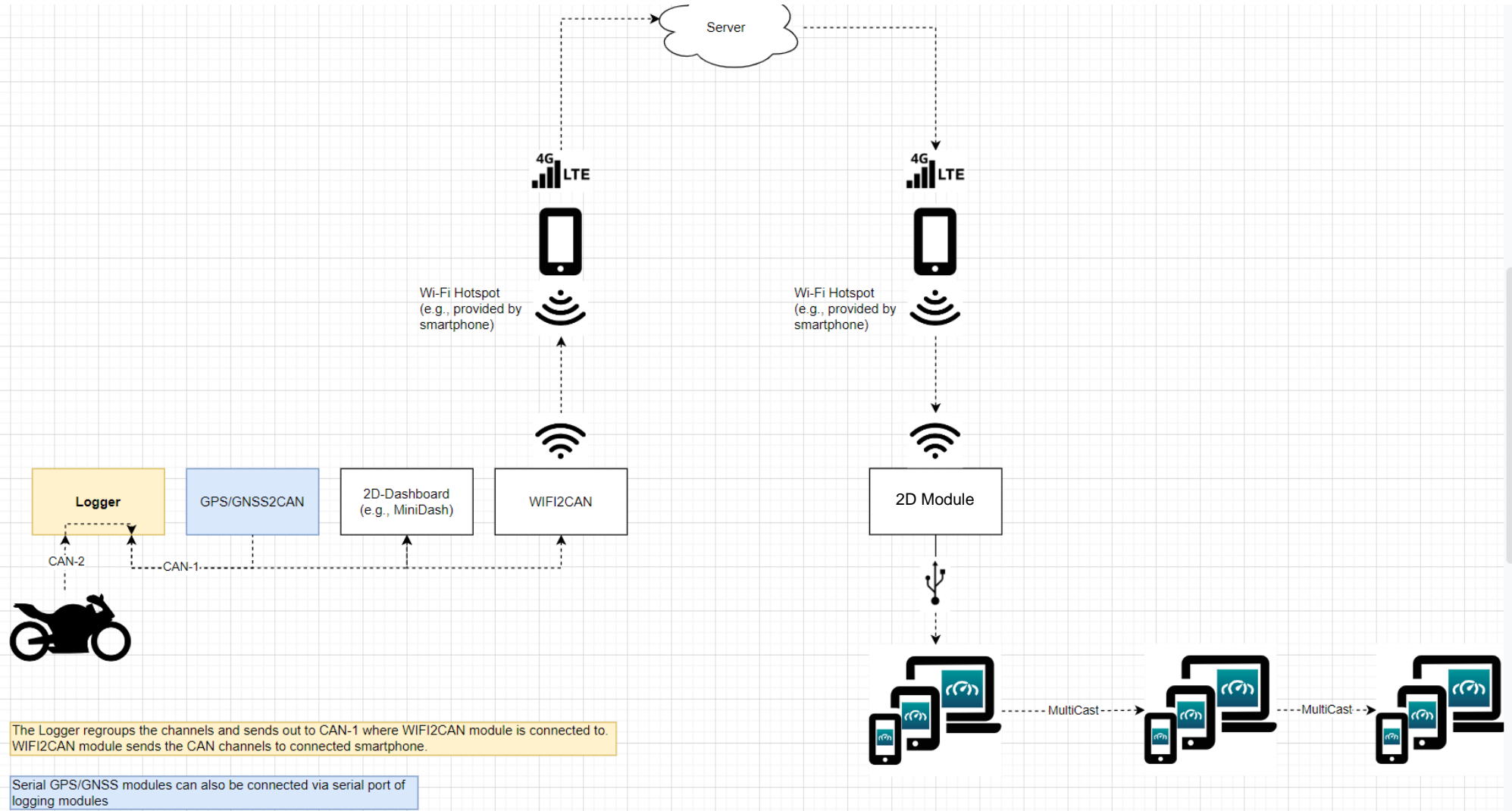
Serial GPS/GNSS modules can also be connected via serial port of logging modules

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RealDash LiveDataStreaming BOX System:



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The BOX system would be another step of telemetry, where data from vehicle system is transferred via internet to an server (mobile hotspot on bike is then not RealDash related so can be every mobile hotspot).

A second system e.g., in box would also need internet connection to receive data from server and link it via 2D Atom module (just debug module at the moment) which is connected via USB to mobile device where the transferred values can be displayed in RealDash application.

On RealDash application the user can modify the dash pages as desired.

Thereby live data from bike can be transferred via internet to mobile device in box to mechanics.

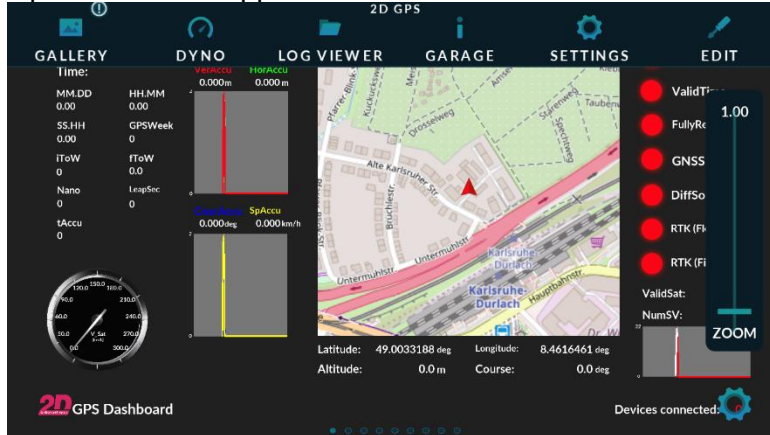
In box the data can then be shared from one Master-device to other Wi-Fi devices in Box.

## 9 Appendix

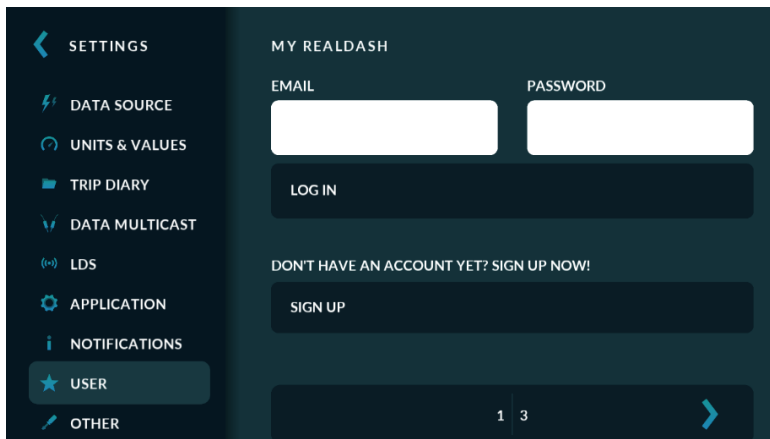
### 9.1 Setup RealDash account on Wi-Fi device

(Must only be done once on every Wi-Fi device)

1. Download RealDash application from AppStore/PlayStore
2. Open RealDash application on Wi-Fi device and click on SETTINGS



3. Navigate to USER menu and sign up



4. Follow instructions on MyRealDash website to sign up
5. Confirm sent RealDash-link in your used email account
6. Send email address which was used for RealDash account to [mail@2d-datarecording.com](mailto:mail@2d-datarecording.com) with subject *RealDash account* to
7. When 2D RealDash host will send you an invitation email to 2D-RealDash community
8. Click on link in email to confirm the invitation and log into your MyRealDash account
9. Navigate to home screen and check if the subscription was successful:

**Subscribed through manufacturer "2D\_Datarecording"**

Navigate to RealDash application on Wi-Fi device and log into RealDash account in

## 9.2 Debug instructions

### 9.2.1 Check valid transfer of channels via CAN to RealDash application

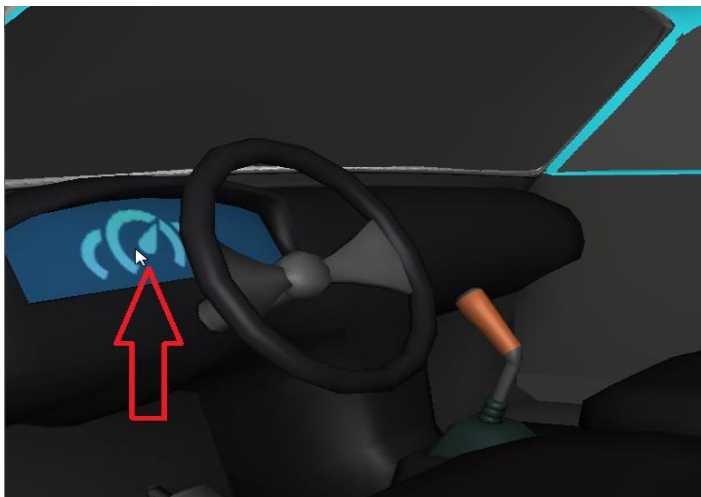
1. Press Enter key or click anywhere on the most upper part of the screen to view the main RealDash menu and go to *Garage*,



2. Click on the car's front door

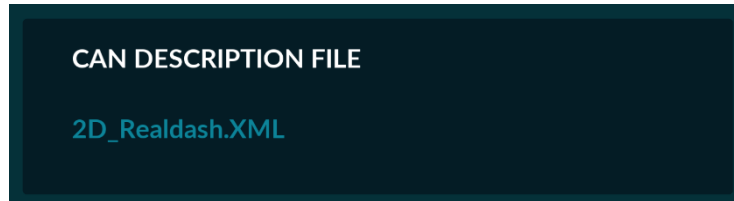


3. Click on the dashboard

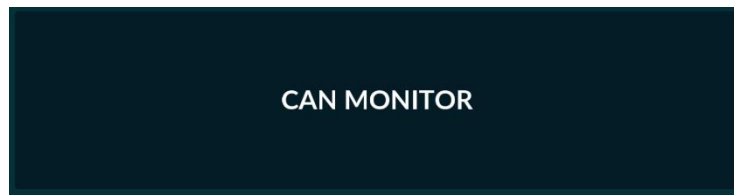


4. Click on already set *RealDash CAN connection* from list

5. Check if correct XML file is used as *CAN DESCRIPTION FILE*



6. Click on CAN MONITOR and check if respective CAN-IDs (e.g., 7F0) are received correctly



7. If respective CAN-IDs are received correctly a valid connection between CAN system and WIFI device with RealDash application is set up.

