



DSD Gen.8

Light | Smart | Pro

user manual





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1 Correct use

The speed measurement and display system DSD (DataCollect Speed Display) is exclusively intended for the measurement and display of speeds in road traffic.



The safety and operating instructions in this manual must be strictly observed. Therefore please read the entire operating instructions before using the product.

This product fulfils the legal, national and European requirements. All company names and product designations are trademarks of the respective holder. All rights reserved.

2 Safety regulations

- In case of damage resulting from the non-observance of these operating instructions, the warranty/guarantee shall become null and void! We shall not assume liability for consequential damage!
- We shall not assume liability for material or personal damage caused by improper handling or non-observance of the safety instructions. In such cases the warranty/guarantee shall become null and void.
- Unauthorised opening, conversion and/or modification of the product is not allowed for safety and approval reasons (CE).
- Operating this product in environments with an explosive atmosphere (zone 0, zone 1, and zone 2 as well as zone 20, zone 21, and zone 22) as specified in the EU directives ATEX equipment and ATEX workplace (94/9/EC and 1999/92/EC) is strictly prohibited by the manufacturer!
- Please handle the product with care. Shocks, impact or falling, even from a low height, may cause damage.
- Do not operate the product if the housing is damaged!
- Only use original spare parts from the manufacturer for operation of the device.
- In all other cases please contact: support@datacollect.com



3 Brief instructions

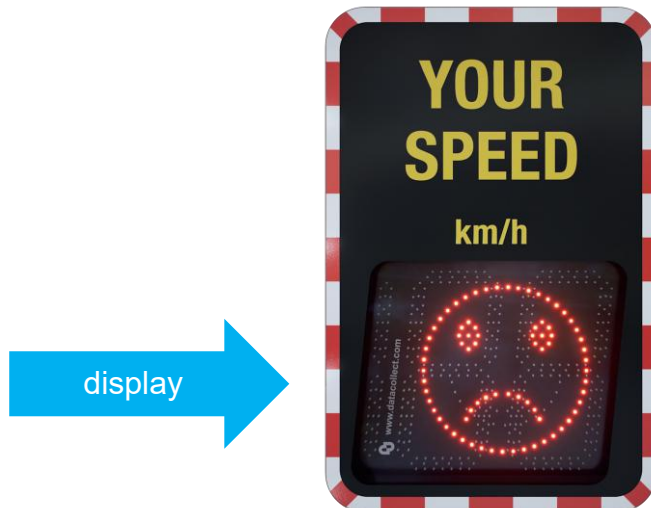
Step	Explanation	Chapter	Page
To be performed once only*	Check your delivery for completeness	5	6
	Register on www.myTrafficData.com // Consignment of a password on the part of DataCollect	-	-
	Activation of your DSD via Smartphone on www.myTrafficData.com	10	16-28
1	Creation of the setup file on www.myTrafficData.com	11	29-37
2	Selection of a suitable installation location	6	9
3	Assembly of the mast holder and the DSD	7	10
4	Connect your DSD to the power supply	8	12-13
5	Settings of the DSD by means of Smartphone	12	38-58
	After completion of the setting process, your DSD is now ready for operation!		
6	Reading out data using by means of the Smartphone	13.1	59-66
7	Uploading data from the SD card for report compilation on www.myTrafficdata.com	14.1	67-73



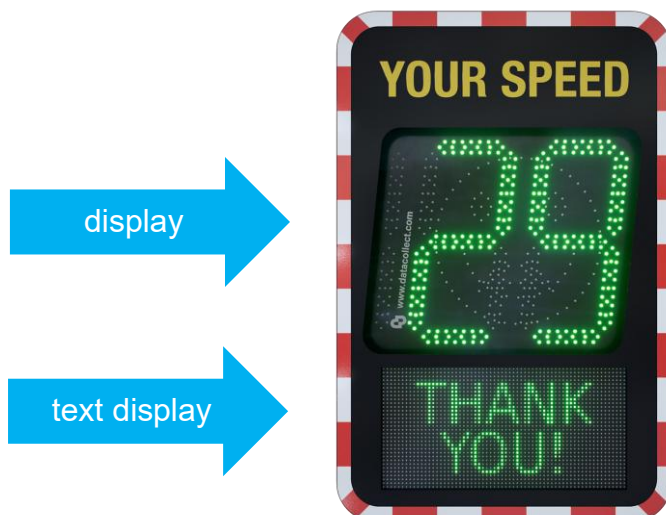
4 Types of DSD

You can choose between two versions.

1) DSD Gen.8 *Light* / *Smart* without Text display



2) DSD Gen.8 *Pro* with freely programmable Text display



With the text display, you can inform the road user on its speeding. These can also be displayed as continuous text.

The texts on the DSD can be individually adapted.

According to the selected type of DSD there are different applications which will be explained in chapter 9.



5 Scope of supply

The scope of supply varies depending on the power supply.

5.1 DSD Mobile

Item	Quantity	Components
1	1	DSD Speed display system
2	1	DSD User Manual
3	1	Mast holder deep
4	1	Mast holder installation instructions
5	1	PowerPack Gen.3
6	1	Charger 2041 for PowerPack Gen.3
7	1	Instructions for commissioning and care PowerPack Gen.3

5.2 DSD Mains

Item	Quantity	Components
1	1	DSD Speed display system
2	1	DSD User Manual
3	1	Mast holder deep
4	1	Mast holder installation instructions
5	1	PowerUnit Gen.3 / Power Supply with connecting cables
6	1	Installation instructions PowerUnit Gen.3 or Power Supply

5.3 DSD Solar

Item	Quantity	Components
1	1	DSD Speed display system
2	1	DSD User Manual
3	2	Mast holder
4	1	Installation manual for mast mount
5	1	SolarPowerUnit 3.1
6	1	SolarPanel with mounting accessories
7	1	Installation instructions SolarPanel



5.4 Accessories

5.4.1 Smartphone

A smartphone (Android OS) is used for the settings and for data download via *Bluetooth®* as well as data transfer via 3G / 4G (depending on the smartphone). It allows on-site monitoring of the traffic data acquisition. Generating setup files requires customer access on the website www.myTrafficData.com.

For exact information on how to operate the DSD via Smartphone please refer to the short guide which is included in the Smartphone App or to this manual.



5.4.2 Tripod

The tripod offers the possibility of installing the DSD in places where there is no stationary mast.

The stand is available in steel or aluminium.

Maximum installation radius: 0.55m / 1.80ft

Minimum installation height: 1.65m / 5.41ft

Maximum installation height: 2.10m / 6.89ft





6 Installation location

Please select a torsion-free, stable mast with a minimum diameter of 60 mm. The location should fulfil the following requirements in order to ensure the best possible measurement.

- **no bend**
- **no uphill/downhill gradient**
- **no moving objects** (e.g. bushes) in the “line of vision” of the radar
- **no reflecting surfaces** (e.g. glass front of buildings) within the field of vision of the radar
- **no large metal objects** (e.g. crash barriers) within the field of vision of the radar
- **free “view”** of the lane to be measured

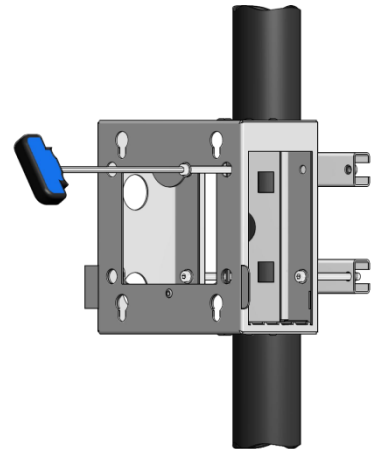
The DSD must be aligned laterally in such a way that it is as parallel as possible to the road surface.



7 Assembly

7.1 Assembly of the mast holder

The assembly instructions for the mast holder can be found in the enclosed installation instructions.



7.2 Assembly of the DSD

The DSD is hooked into the four holes provided in the mounted mast holder with the four locking bolts on the rear side. Before this, remove the cross bar of the mast holder.

When using a PowerPack or a PowerUnit, the energy supply unit can now be inserted into the mast holder after hooking in the DSD, and can be secured using the cross bar and the padlock (not included in the delivery).



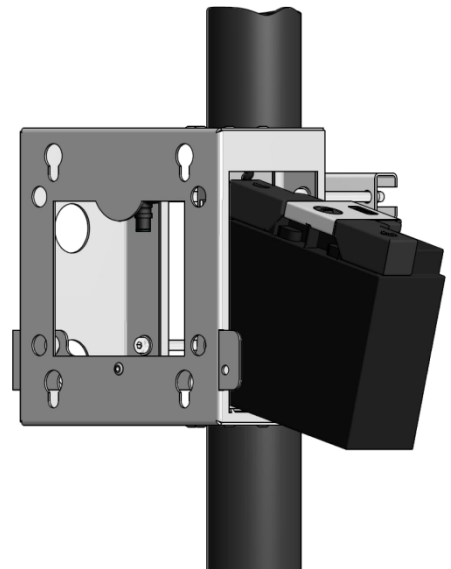


8 Commissioning

8.1 Power supply via PowerPack

For information on the charging technology and the maintenance of the PowerPack, please refer to the enclosed instructions for the PowerPack. For connection and for the final insertion of the PowerPack into the side of the deep mast holder, please first remove the cross bar of the mast holder. After removing the rear dust protection cap of the DSD, please connect the angular socket of the PowerPacks to the built-in plug of the DSD by simply plugging in (Push / Pull principle). The angular socket is protected against incorrect plugging in by means of a one-way safety feature. Please observe the white mark!

The period of use of the PowerPack is approx. 10 days, depending on traffic density. After expiration of this period the rechargeable battery must be quickly replaced by a charged one. The discharged battery must now be immediately charged for 24 hours using charger type 2041.



 **None-observance of this care information leads to increased wear (loss of capacity) of the rechargeable battery or even to an irreparable defect (total failure)!**

Care instructions:

- Do not **deeply discharged** the battery
- Before storage, the battery must be charged
- Even when not in use, the battery must be **charged once a month**

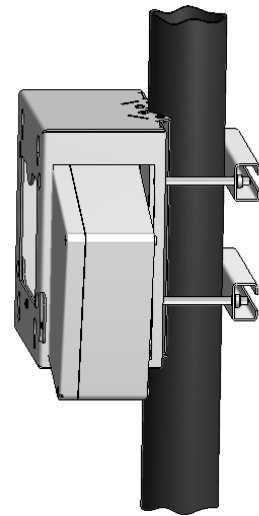


8.2 Power supply via PowerUnit

For the installation instructions of the PowerUnit, please refer to the enclosed commissioning instructions.

For connection and for the final insertion of the PowerUnit into the side of the deep mast holder, please first remove the cross bar of the mast holder. After removing the rear dust protection cap of the DSD, please connect the angular socket of the PowerUnit to the built-in plug of the DSD by simply plugging in (Push / Pull principle).

The angular socket is protected against incorrect plugging in by means of a one-way safety feature. Please observe the white mark!

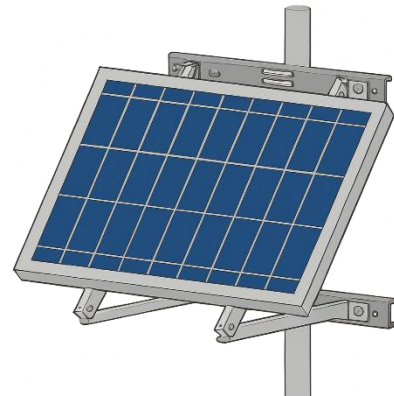


8.3 Power supply via SolarSystem + SolarPowerUnit

For the installation instructions for the SolarSystem and the SolarPowerUnit, please refer to the enclosed commissioning instructions.

Please observe the distance from the mast holder of the DSD of at least 150cm / max. 300cm. After removing the rear dust protection cap of the DSD, please connect the angular socket of the SolarPowerUnit to the built-in plug of the DSD by simply plugging in (Push / Pull principle). The angular socket is protected against incorrect plugging in by means of a one-way safety feature. Please observe the white mark!

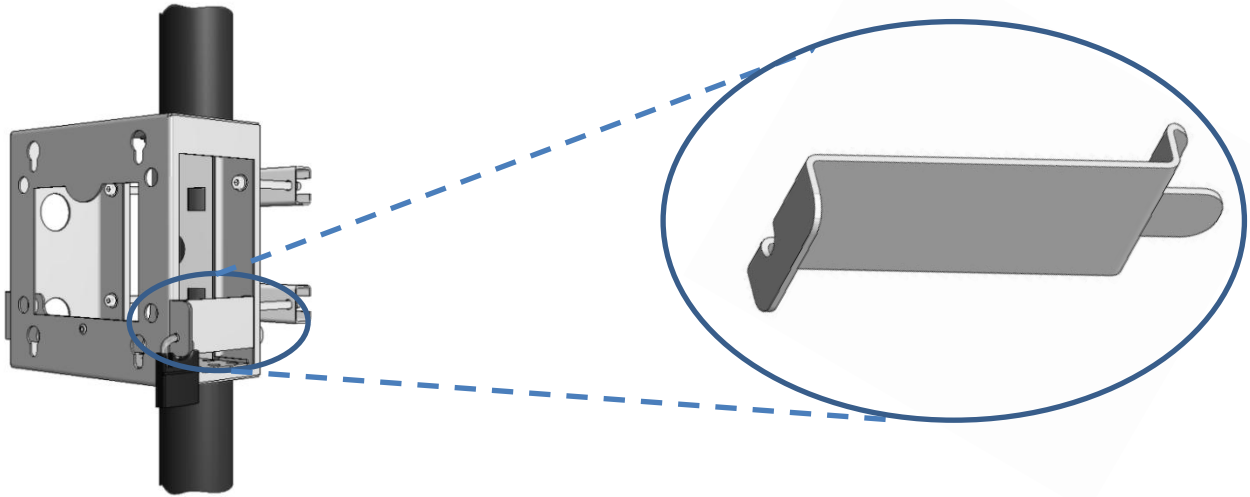
You can hook the SolarPowerUnit into the holes in the adapter plate of the SolarSystem using the locking bolts in the SolarPowerUnit 3.1.





8.4 Securing

By pushing in the cross bar and attaching the padlock (not included in the delivery), your DSD and the inserted power supply including the connecting cables are protected against unauthorised disassembly.





9

Apps of the DSD

The DSD has various, optionally purchasable apps, which are explained below:

App	Soft / Hardware	Description	DSD Light	DSD Smart Pro	Icon
Safety	Soft	Display of a “laughing” or “sad” face in transition with the current driven speed.	✓	✓	
Data recording	Soft	Measured and displayed speed data is stored in the internal memory.	✗	✓	
Exit speed	Soft	In addition to the entry speed (the speed at which the vehicle enters the measuring area) the exit speed is also measured, enabling the safety success to be measured.	✗	✓	
Handie	Soft	Enables the adjustment of the posted speed limit of the DSD without a handheld.	✓	✓	
Circular saving	Soft	When the memory is full the oldest details are overwritten. Otherwise, after 57,000 data records, only the speed is displayed	✗	✓	
Anti-Race	Soft	This device can be used to switch the display off or switch it to different modes (e.g. off or permanent light) when the driving speed clearly exceeds the speed limit	✗	✓	
Display PSL	Soft	The set posted speed limit allowed acc. to the StVo (German Road Traffic Regulations) is displayed and not the actually driven speed.	✗	✓	
Timer	Soft	This function enables the adjustment of up to 2 time-dependent posted speed limits and 4 time intervals.	✗	✓	
Daylight saving time	Soft	The conversion from summer time and winter time is automatic.	✗	✓	
Flash upgrade	Soft	A software update of the DSD is possible via Bluetooth® transfer of smartphone as well as via GPRS.	✓	✓	
Energy savings	Soft	Activate this app to optimise different setting parameters of the DSD, e.g. brightness (day/night), and achieve an average runtime increase of up to 300%	✗	✓	



Too Fast	Soft	For this, the text panel "Too fast" is required. The difference between the actually driven speed and the posted speed limit is displayed.			
Covert measurement	Soft	Due to the assembly of the text panel or deactivation of the display during measurement, recording of the driven speed is made possible without influencing the driver by displaying the speed.			
Watch Your Speed	Soft	When activated, this app will indicate to the driver by an additional flashing of the Safety eyes that he is travelling in the red zone (speed limit exceeded).			
Safety only	Soft	The feedback he will receive on his behaviour when this app is active is a "happy" / "sad" smiley face, depending on whether he observes / exceeds the speed limit. No speeds will be indicated.			
Memory+	Hard	The Memory+ app expands the amount of available storage space. This allows you to store up to 1,600,000 entries per DSD instead of the standard 57,000 entries.			
Duo Color rot / grün	Hard	When this app is used, the indicators on the LED display will light up "green" and "red" when the speed limit is observed and exceeded, respectively.			
Duo Color rot / amber	Hard	When this app is used, the indicators on the LED display will light up "amber" and "red" when the speed limit is observed and exceeded, respectively.			
Tri Color	Hard	In contrast to the Duo Colour app, this app offers a transitional stage that gives the driver additional time to act before the indicator switches to "red". This range of tolerance is			
2 Directions	Soft	In addition to the coming lane, the outgoing lane is also detected but not displayed.			



10 Activation of the DSD

If www.mytrafficdata.com is used, Datacollect will activate the DSD on your account.

10.1 Use as a speed display

If the DSD is used solely as a speed display, without safety display, **no** further settings need to be made!

10.2 Setup via Handie App (optional)

The handie function is used to change the safety threshold **without using a Smartphone**. You may choose between the following threshold values:

7 km/h, 10 km/h, 20 km/h, 30 km/h, 40 km/h, 50 km/h, 60 km/h, 70 km/h, 80 km/h, 90 km/h and 100 km/h.

00 = Off

The Handie function can only be adjusted during the start sequence of the display system. Therefore, the power supply of the DSD must be briefly interrupted (by removing and re-installing the power supply).

The start sequence now starts again, while the safety threshold can be adjusted. During the start sequence, a **horizontal bar (see illustration)** appears. As soon as this is visible, the adjustment of the threshold value can be performed.

Cover (while the horizontal bar is visible) the area marked by the hand three times extensively, i.e. cover the light sensor, remove the cover, cover, remove etc. Then the last set safety threshold is displayed. If you then again cover the light sensor and remove it again, the next available threshold value is displayed.



Repeat these steps until your desired threshold value is reached. If you do not make any changes for approx. 10 seconds, the selected safety threshold is confirmed by flashing three times. The start sequence is now continued and ends with the display of the battery voltage. The DSD is ready for operation with the desired threshold value.



10.3 Activation via Smartphone without SIM Card

10.3.1 Generation of the registration.zip / activation.key



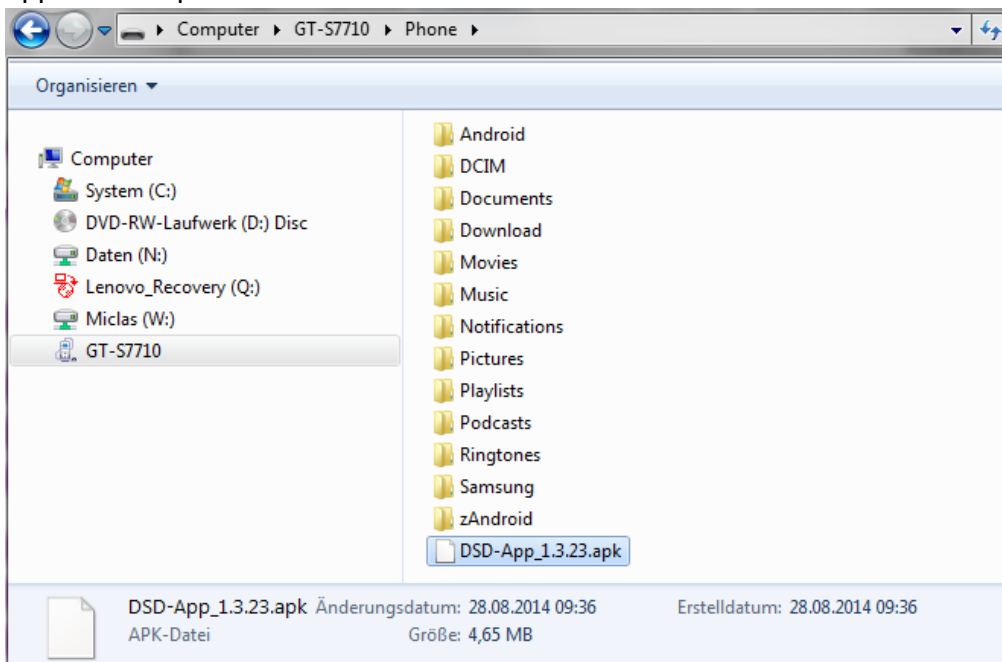
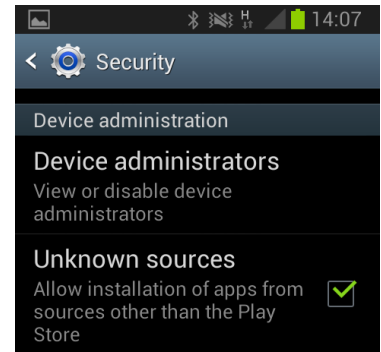
Customer's own smartphone

Via email you will receive the already purchased smartphone app. Before you install the app on your device via USB be sure you have the PC privileges to install device drivers.

Please furthermore activate allowing unknown sources on your smartphone, otherwise you cannot install the DSD App.

Make sure that your phone is connected as a media device.

Connect your phone via USB cable to your PC and save the app on the top file level.





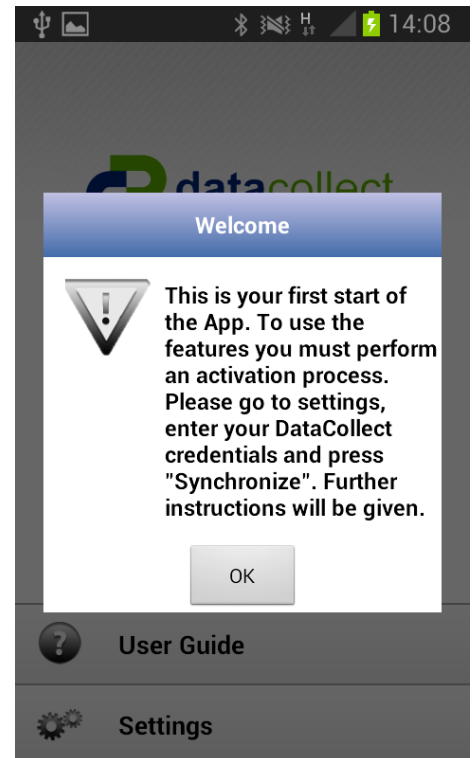
Smartphone ordered via DataCollect

If you order the smartphone from DataCollect, the app is already pre-installed

Now start the app. Attention, the *Bluetooth*® connection to your DSD is exclusively carried out by the DataCollect App. An interconnection through the Android own *Bluetooth*® setup is not possible.

When you see this screen you have successfully installed the app.

Confirm with **OK**.



Now select **Settings**.

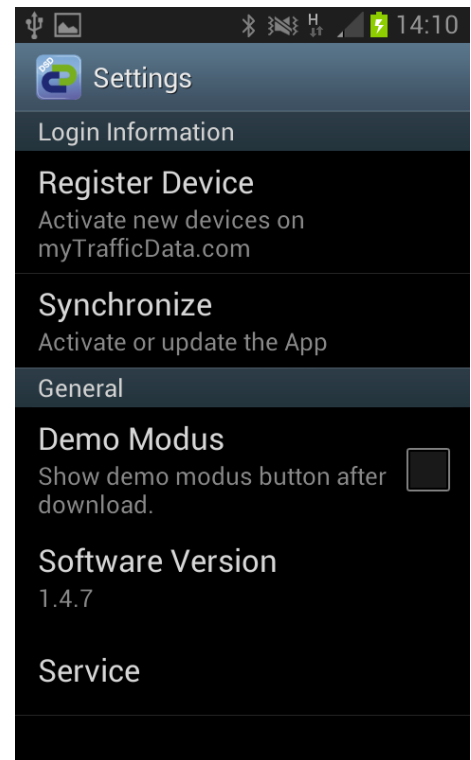




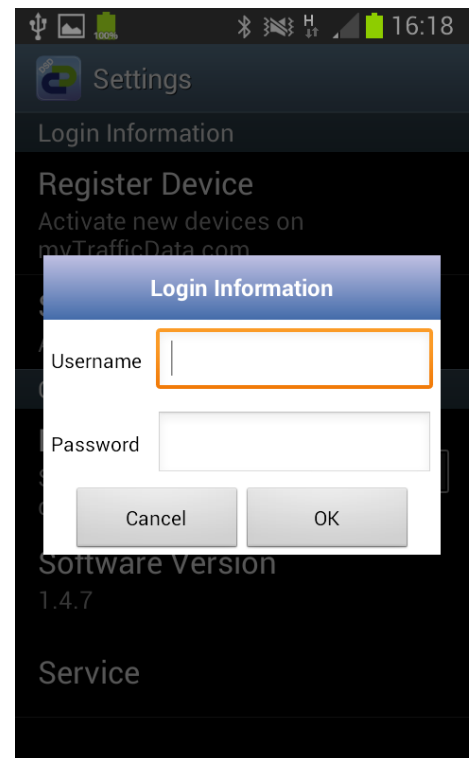
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Connect your DSD to the power supply and process the start routine.

Then click **Synchronize**



Now enter your login information (Username + Password) of www.myTrafficData.com and click **OK**.





user manual

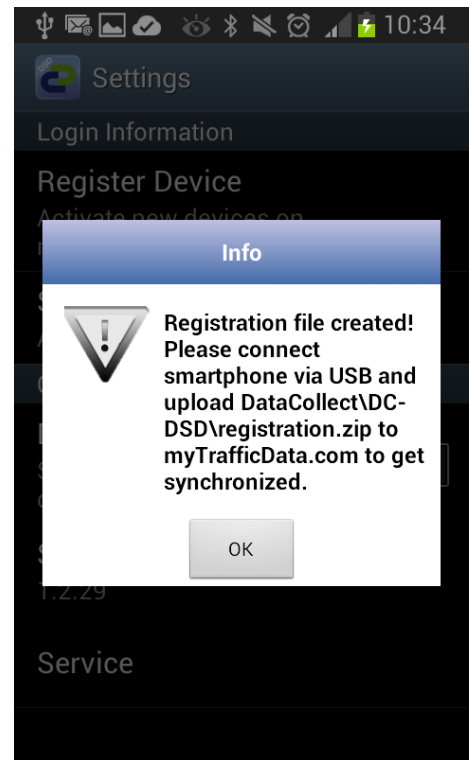
After entering the correct login information as well as correct teach in of at least one DSD a registration file will be generated. With this registration file you can now register your device and your Smartphone.

Now close the info screen by clicking **OK**.

Connect your Smartphone via USB cable to your PC.

Attention: Only use the original USB cable which is delivered with the Smartphone!

For detailed information please have a look at the enclosed manual of the Smartphone.





10.3.2 Upload of the registration.zip file

Now login on the Internet with your access data to www.myTrafficData.com. There you will first enter the Dashboard.

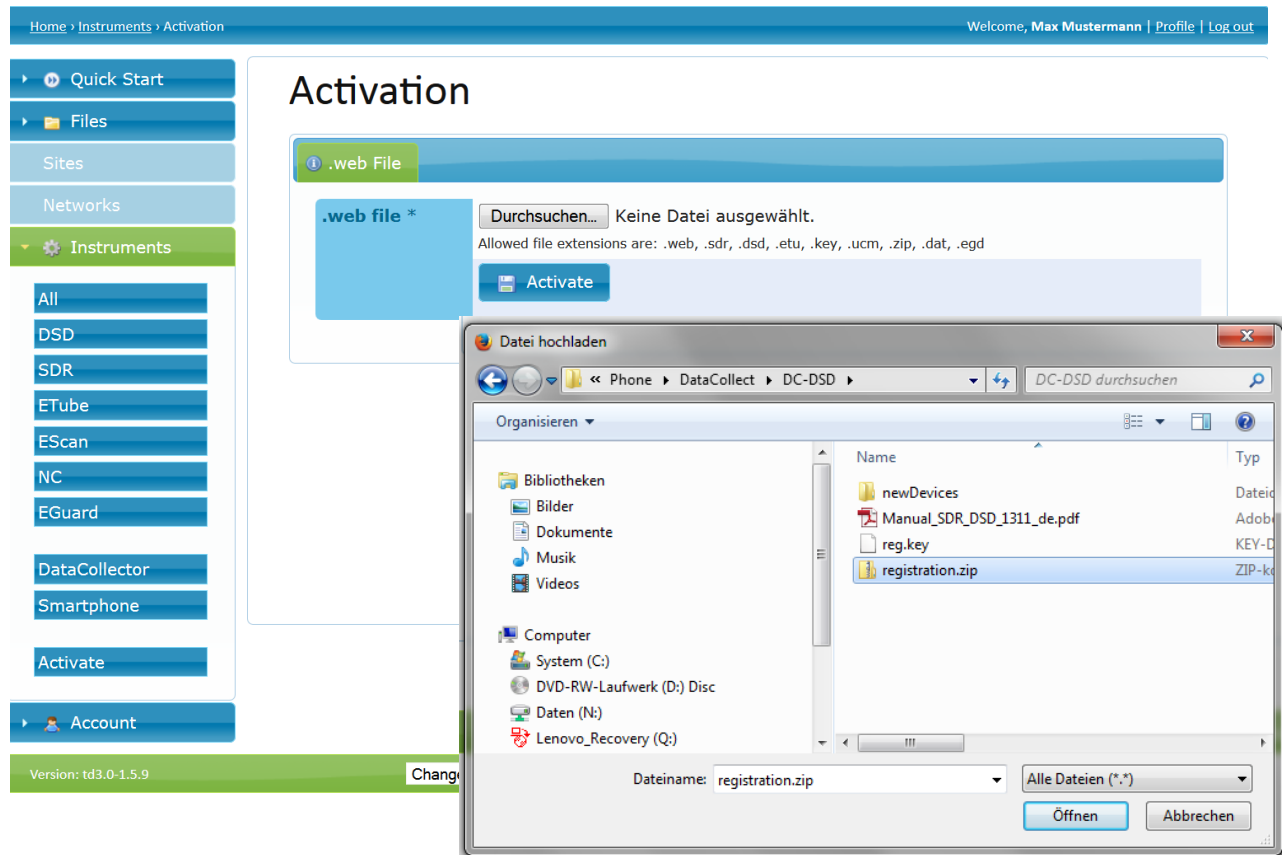
The screenshot shows the DSD Gen.8 dashboard. The top navigation bar includes 'Home', 'Account', and 'Dashboard'. The user is logged in as 'John Doe'. The left sidebar contains a menu with 'Quick Start', 'Files', 'Sites', 'Networks', 'Instruments', and 'Account'. The main content area has a top bar 'App Store' and several expandable sections: 'Geo reference / Geo mapping', 'Instruments', 'Demo data', 'System requirements', and 'Manual'. The 'Instruments' section is expanded, showing a table of device counts.

Device	Total
DSD	6
ETube	3
SDR	7

Below the table is a button labeled 'Show devices'.

Now click on item **Instruments** in the menu bar on the left-hand side of the screen. A sub-menu opens up. In this sub-menu, please click on item **Activate**.

This screenshot shows the same dashboard as the previous one, but with the 'Instruments' sub-menu expanded. The sub-menu lists various instrument types: 'All', 'DSD', 'SDR', 'ETube', 'EScan', 'DataCollector', and 'Smartphone'. The 'Instruments' section in the main content area is still expanded, showing the same table of device counts.



In the middle of the screen you will see a file upload area for activating your device. Now click **Browse** to select the desired file of the device to be activated.

The file **registration.zip** was saved to the following path on your Smartphone:
DataCollect / DC-DSD

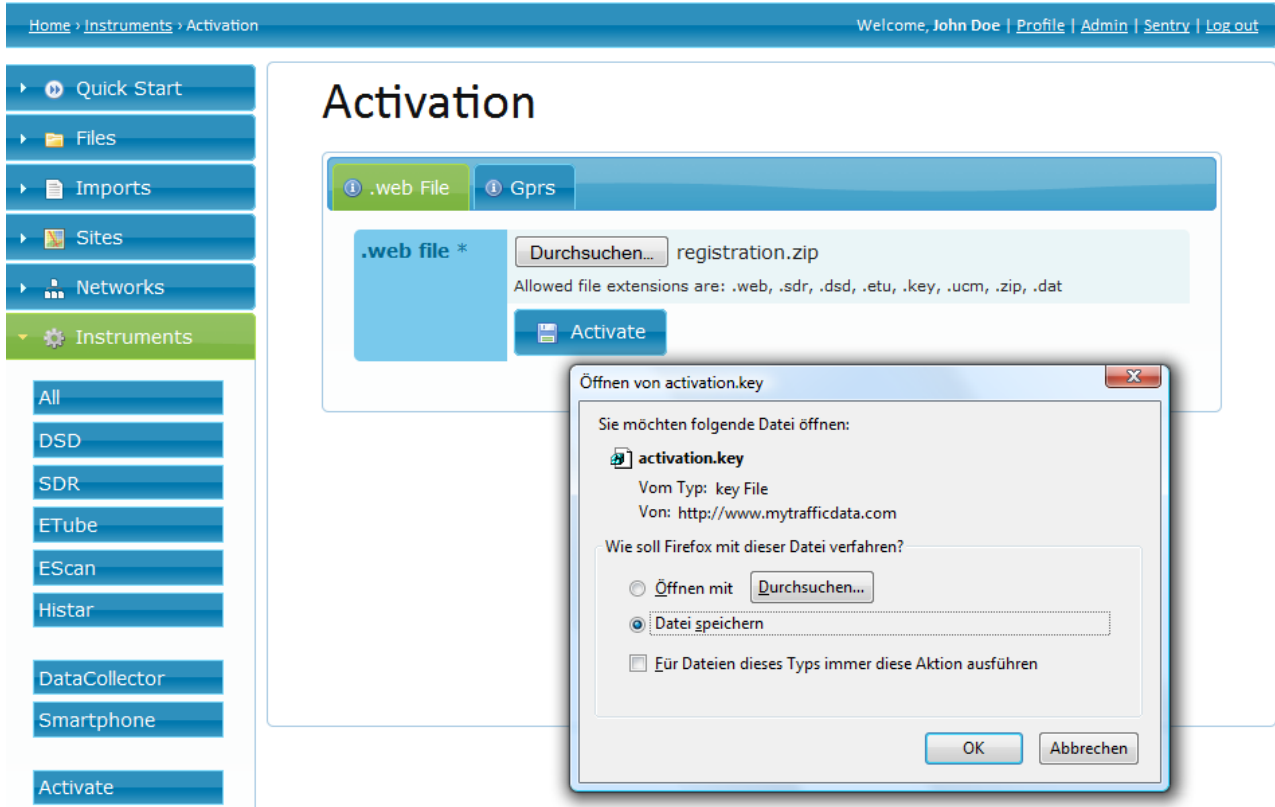
Confirm your selection by clicking on **Open**.

Now click on **Activate**.

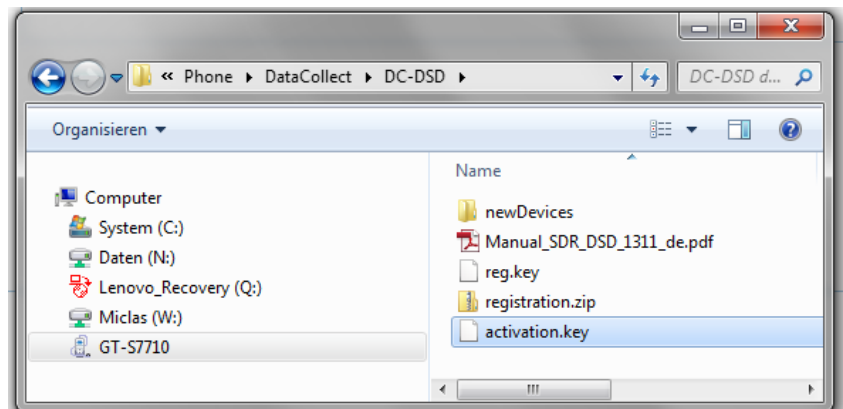


user manual

After successful activation of your Smartphone as well as your device a screen will open and ask you to save the activation.key file to your Smartphone. This file must first be saved on the PC and can then be transferred to the smartphone.



Save this activation.key file
under the following path:



After that, please disconnect your Smartphone from your PC and start the Smartphone App again.

Now go to the Chapter Setting / Setup of the DSD on www.myTrafficData.com in this manual.



10.4 Activation via Smartphone with SIM Card

10.4.1 Generation of the registration.zip / the activation.key



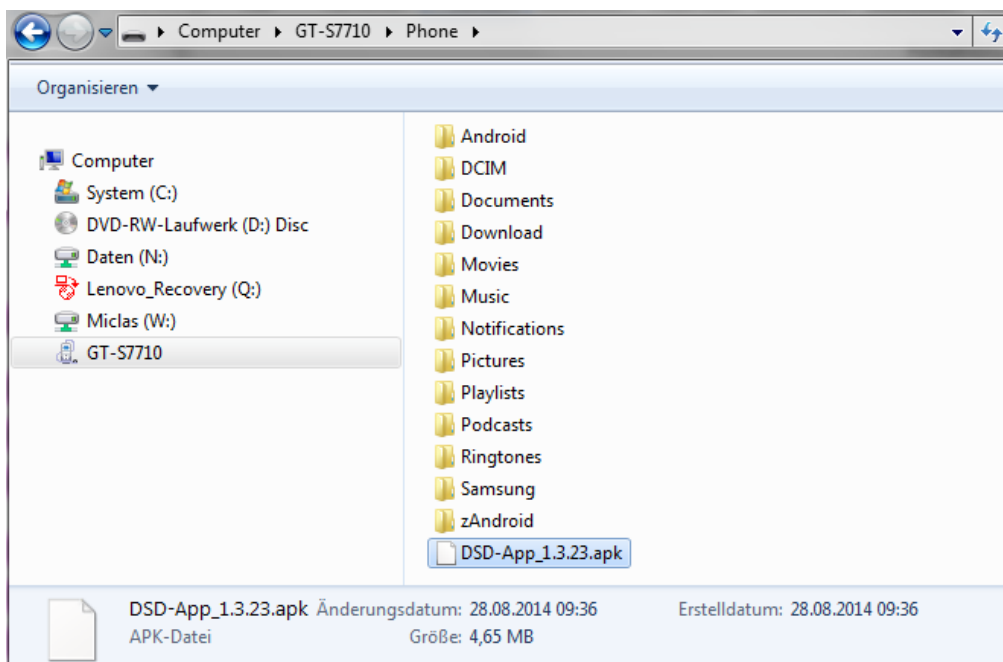
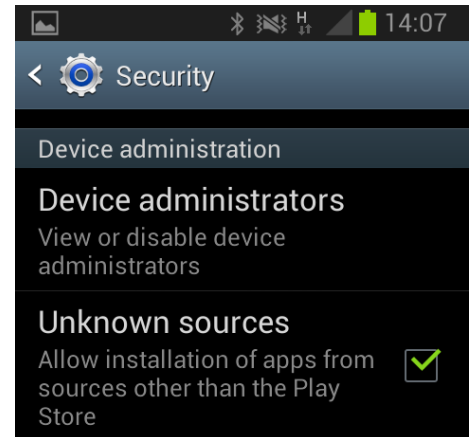
Customer's own smartphone

Via email you will receive the already purchased smartphone app. Before you install the app on your device via USB be sure you have the PC privileges to install device drivers.

Please furthermore activate allowing unknown sources on your smartphone, otherwise you cannot install the DSD App.

Make sure that your phone is connected as a media device.

Connect your phone via USB cable to your PC and save the app on the top file level.





Smartphone ordered via DataCollect

If you order the smartphone from DataCollect, the app is already pre-installed. Now start the app. Attention, the *Bluetooth*® connection to your DSD is exclusively carried out by the DataCollect App. An interconnection through the Android own *Bluetooth*® setup is not possible.

When you see this screen you have successfully installed the app.

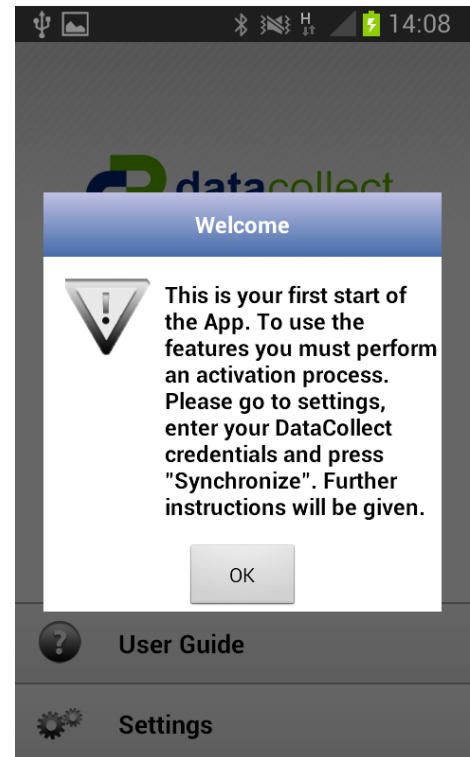
Confirm with **OK**.

Now select **Settings** and connect your DSD to the power supply and let the startup routine run. Then click on "Synchronize." The input screen will now prompt you to enter your login details (username and password) for www.myTrafficData.com.

After entering them, confirm with "OK."

You will now receive confirmation that the activation was successful. Click "OK."

All activated DSDs will now be listed. Click "OK."





11 Setup of the DSD at www.myTrafficData.com

Please login to mytrafficdata.com and click on the menu point **Instrument / DSD** and choose your DSD.

Attribute Name	Value
Configuration Number	1810F99999B 30LH019
Version	9.5.0
Bluetooth	yes
GPRS?	no
Relais	no
Product type	FN

Below the table, there are sections for 'Setups (0)' and 'Upgrades (1)'.

If you want to give the DSD alias name, please click on the serial number and an editable field will open. Here you can assign an alias name at any time. For example you can number your DSD. Confirm the entry with Enter. In addition to the serial number, the name you assigned is now displayed in the device list.

The **"App Activation"** tab, you can activate your device directly using the DSD Xpress app (see Xpress App manual).

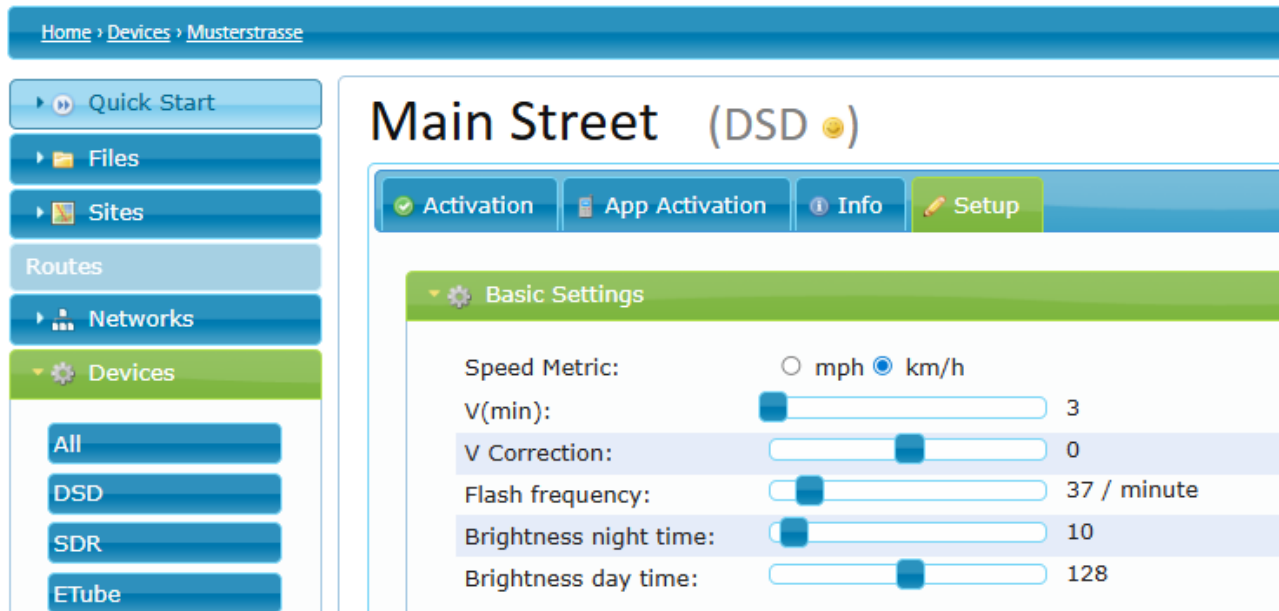
Scan this QR code with the DataCollect Xpress app to activate this device. Click the code to enlarge it.

Below the QR code, there are sections for 'Setups (0)' and 'Upgrades (1)'.



11.1 Settings in the panel Basic settings

First of all, you can perform the basic configuration of your DSD in the basic settings panel.



Basic setting	Description
Speed measurement	Switchover option between km/h and mp/h
V(min)	Speed from which recorded vehicles are stored and displayed.
V-correction	If the measuring location does not allow perfect installation and you detect a deviation of the measured speed, you can manually correct that speed. The set value is then added or subtracted upon each recorded speed. Standard value = 0.
Flashing frequency	Here you can set the duration of the display of individual elements when changing over between speed and safety. Default value = 8 / minute.
Brightness, daytime *	Defines the brightness depending on the daylight recorded by the DSD. Default value = 128
Brightness, nighttime *	States the basic brightness of the DSD display. Default value = 10

*In all cases, an increase of the respective value leads to a brighter display. Respectively, a reduction of the values leads to a lesser brightness of the light-emitting diodes.



We recommend to not change the factory-set values!



11.1.1 Settings in the panel Apps

Under the panel Apps you can select the basic functions of your DSD. Only the apps you have purchased can be activated. An explanation of the individual apps can be found in **Chapter 9 Apps of the DSD**.

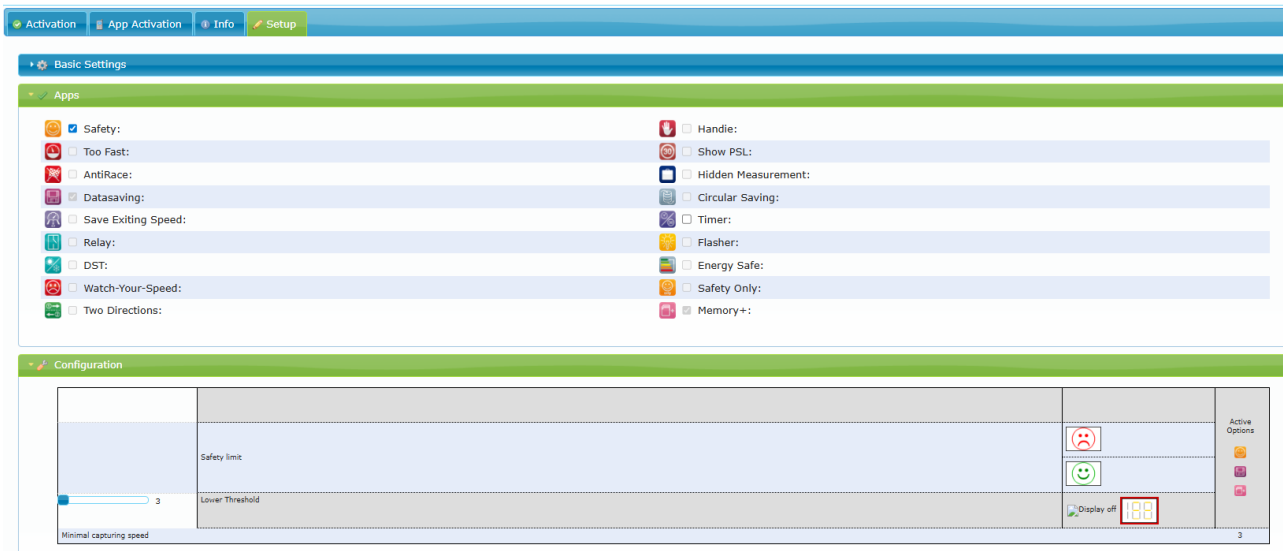
The apps which you need for your current measurement can be activated by ticking the box.



Only purchased apps can be activated!

Example setup 1 – App Code LH007

Purchased Apps: Data recording, Safety, Exit speed



The setting possibilities under Configuration vary according to the selected functions.

Type of threshold value	Description
Safety threshold value	The speed value is set by adjusting the regulator, by which the Safety display changes from a laughing to a sad face.
Lower threshold value	States the speed up to which a special display is shown on the DSD.
Display possibilities	(1) Display off: The DSD has no display
	(2) Static speed display



Example Setup 2 - App Code 08LH019

Purchased Apps: Safety, Timer, Data Recording, Two Directions

Main Street (DSD)

Activation Info Battery Setup Imports

Basic Settings

Apps

Timer

Active	Start time	End time	Days	Speed limit
☒	07:00	15:59	☒ Mon ☒ Tue ☒ Wen ☒ Thu ☒ Fri ☐ Sat ☐ Sun	⇒ 30 ⇒
☐	00:00	00:00	☐ Mon ☐ Tue ☐ Wen ☐ Thu ☐ Fri ☐ Sat ☐ Sun	⇒ 30 ⇒
☐	00:00	00:00	☐ Mon ☐ Tue ☐ Wen ☐ Thu ☐ Fri ☐ Sat ☐ Sun	⇒ 30 ⇒
☐	00:00	00:00	☐ Mon ☐ Tue ☐ Wen ☐ Thu ☐ Fri ☐ Sat ☐ Sun	⇒ 30 ⇒

Turn off device by default ☒ NO

Configuration

Text display

Safety limit 50

Site name: (max. 16 letters)

Store Download

Setup (3)

Upgrades (1)



11.1.2 Panel Timer

Here you can set the period in which your DSD should be active. There are up to four time periods with different speed limit definable for each one. By ticking the period, you are activating the setting per period.

By switch the button **Turn off device by Default** you can chose what will happen in time periods that are not defined

- **Yes:** That are not defined the DSD is inactive
- **No:** The DSD uses the Value that is set at **Safety Limit** that is set below

The previous screenshot shows the following example scenario:

1. active weekdays between 07: 00-14: 00 clock - speed limit 30 km / h
2. active weekdays between 0:00 - 06:59 and - 14:00 - 23:59 clock - speed limit 50km / h
3. Active all weekend - speed limit 50km / h

If you have acquired the **Display PSL app** as well as the timer function, you can adjust the allowed speed limit in the defined periods using the arrows.

11.1.3 PSL- Calendar

In your account on myTrafficData, a new function called “Calendar” will be displayed. With this function, you can create a setup that assigns calendar-based control functions to the device.

If you activate this function, the PSL function will take priority over the timer function. As a result, the individually configured timer function will be disabled.

PSL Calendars

Show entries

Search:

Name	Entries	Assigned Devices	Updated	Actions
No data available in table				

Showing 0 to 0 of 0 entries Click a row to select

Empty Calendar From Holiday Calendar



user manual

By clicking  **Empty Calendar** you can create a custom calendar, which you can name accordingly. Select your desired calendar days and assign them your permitted safety threshold. On these calendar-assigned days, the display will respond exactly to the specified value. Just like adding entries, you can also delete them again.

Entry Type: PSL Value PSL Value (km/h): Assign Clear Select All Deselect All Selected: 4

You can also add and configure a predefined public holiday calendar

To do this, select the  **From Holiday Calendar** and enter a name, as well as the country and the entry type, then save your entry.

PSL value (individual permitted maximum speed)

Default PSL (permitted maximum speed defined in the basic setup)

Display off (the device shows no functions)"

Create Calendar from Holiday Calendar

Name: *

Country: * United States

Entry Type: * PSL Value

PSL Value:

 **Save**

For example, in United States all public holidays will be displayed with your selected safety threshold. You can also add or remove calendar entries (depending on the federal state). To do this, select the desired day and click 'assign'.



10 Assign Clear Select All Deselect All Selected: 2

February							March								
	Mo	Tu	We	Th	Fr	Sa	Su		Mo	Tu	We	Th	Fr	Sa	Su
7				1	2	3	4					1	2	3	4
4	5	6	7	8	9	10	11	5	6	7	8	9	10	11	
1	12	13	14	15	16	17	18	12	13	14	15	16	17	18	

To add the calendar to a device, you must switch to the device section.
Select **DSD > Setup**.

Sites

Routes

Networks

Devices

All

DSD

SDR

ETube

EScan

NC

EGuard

ECount

EPark

SDR DL

Activation

App Activation

Info

Setup

Control

Monitor

Alarms

Sites

Basic Settings

Apps

Timer

PSL Calendar

Configuration

Text display

Safety limit 50

Last successful transmission: 5 Mar 2026, 11:29 a.m.



user manual

You can now assign or deselect the created calendar via the dropdown menu. Save your selection and transfer the setting via GPRS (for LTE) or as a setup via smartphone.

Timer

PSL Calendar

PSL Calendar:

Upcoming Schedule

Period	Speed Limit
05/25/2026	10 km/h
06/19/2026	10 km/h
07/03/2026 – 07/04/2026	10 km/h
09/07/2026	10 km/h
10/12/2026	10 km/h
11/11/2026	10 km/h
11/26/2026	10 km/h
12/25/2026	10 km/h
01/01/2027	10 km/h
01/19/2027	10 km/h
02/16/2027	10 km/h

12 days with speed limit changes in the next year

11.1.4 Panel configuration

The setting possibilities under **Configuration** vary according to the selected functions.

Type of threshold value	Description
Safety threshold value	The speed value is set by pushing the regulator, by which the Safety display changes from a laughing to a sad face.
Upper threshold value	States the speed to be reached to initiate a DSD display.
Display possibilities	(1) Display off: The DSD has no display
	(2) Bar: the DSD shows 6 horizontal bars
	(3) Safety: The DSD displays a “sad” face
Lower threshold value	States the speed up to which a special display is shown on the DSD.
Display possibilities	(1) Display off: The DSD has no display
	(2) Static speed display



Example setup 5- App Code 1LH003

Purchased Apps: Safety, Relay, Data recording

Home » Devices » Main Street Welcome, Max Mustermann | Profile | Log out

Main Street (DSD)

Activation Info Setup

Basic Settings

Apps

☒ Safety:	☐ Handle:
☐ Too Fast:	☐ Show PSL:
☐ AntiRace:	☐ Hidden Measurement:
☒ Datasaving:	☐ Circular Saving:
☐ Save Exiting Speed:	☐ Timer:
☐ Relay:	☐ Flasher:
☐ DST:	☐ Energy Safe:
☒ Duo-Color:	☐ Tri-Color:
☐ Amber Red:	☐ Safety Only:
☐ Watch-Your-Speed:	☐ Memory+:
☐ Two Directions:	

Configuration

<input type="range" value="3"/> Minimal capturing speed	Safety limit		Active Options
	Lower Threshold		

Text display

Positive text

Lines ☒ 1 line ☐ 2 lines

Line 1

Scrolling? ☒ Yes ☐ No * Is calculated automatically depending on the text width.

Negative text

Lines ☐ 1 line ☒ 2 lines

Line 1

Line 2

Scrolling? ☒ Yes ☐ No * Is calculated automatically depending on the text width.

Safety limit

Site name: (max. 16 letters)

Version: td3.0-1.9.8 Change Language © 2005-2019 DataCollect Traffic Systems GmbH | Privacy Notice | Imprint

1 or 2 lines can be entered for the **Textdisplay**. Whether the text is displayed as scrolling text depends on the length of the entered text and is decided independently by the website.



11.2 Smartphone – additional settings

Under Instruments > Smartphone > SDR App you can enable or disable other purchased functions.

Function	Description
Cloud	Setup data and device data can be exchanged between the smartphone and myTrafficData.
GPS	GPS coordinates are stored to allow georeferencing of the traffic data.

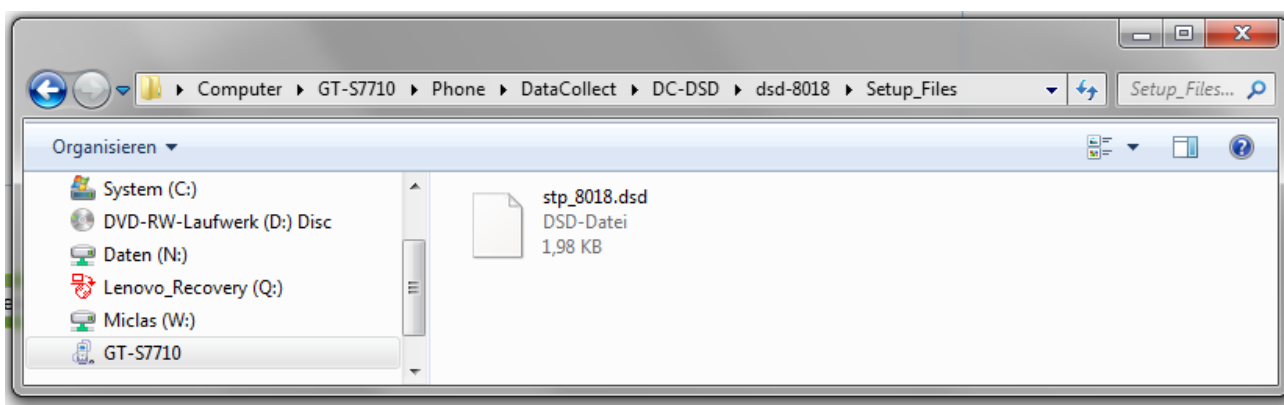


12 Download / Transmit setup file

12.1 Using a smartphone without SIM card

Use the “Download” button to generate the setup file.

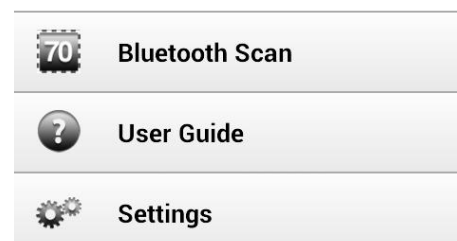
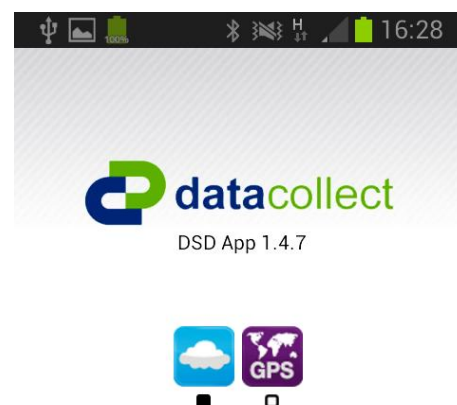
A window will now open. First, save this file on your PC. Connect your smartphone to the PC via USB and copy the setup file to the following path:



Now connect your DSD to the power supply.

Open the app on your smartphone.

Then tap on “Bluetooth® Scan.”

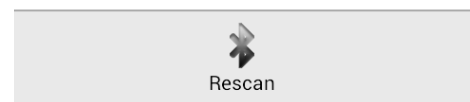
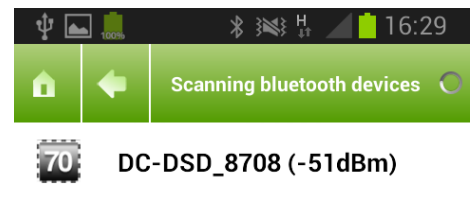




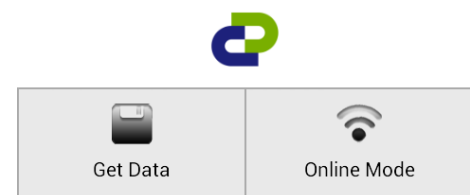
user manual

Now all devices in your vicinity will be scanned.

Click the DSD to which you wish to transfer the setup file.



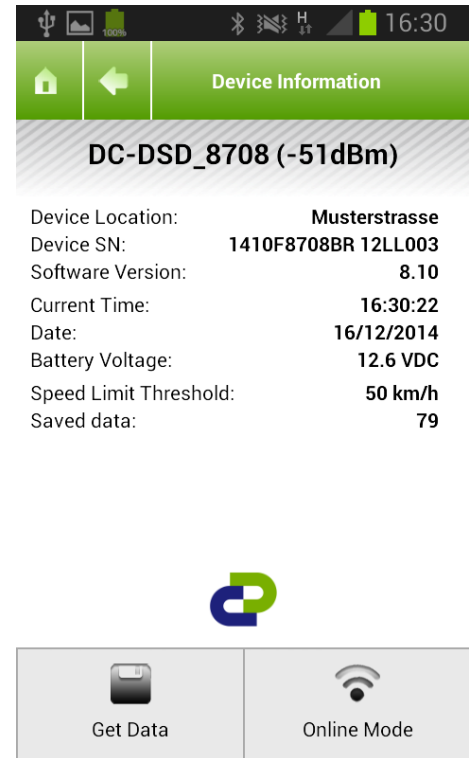
Now you are connected with your DSD and can view its general settings.



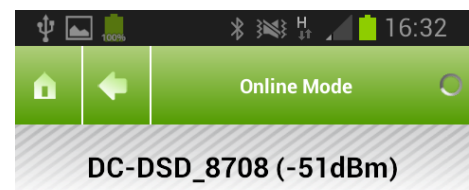


user manual

Click on **Online Mode**.



Here you can monitor the current measurement in real time and check that the device is functioning properly.



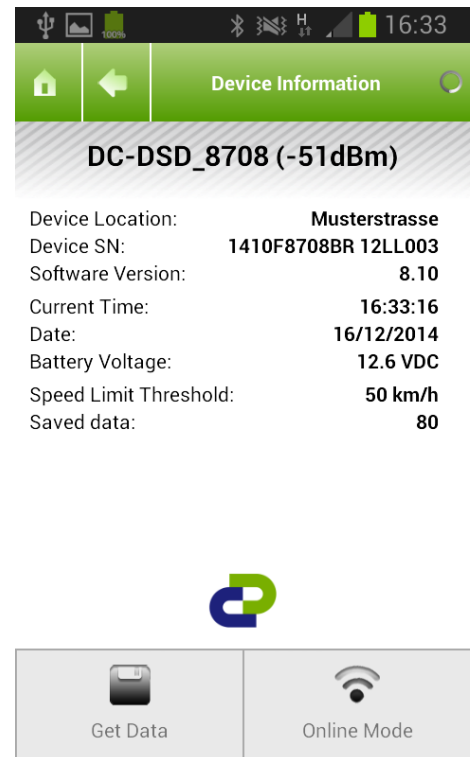
To exit the online mode on the **back arrow**.



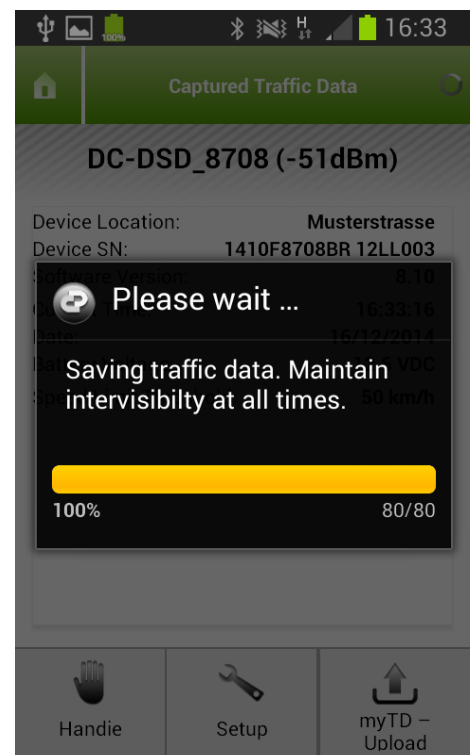


user manual

Now click **Get Data** to transfer the saved traffic data of your DSD to your Smartphone.



The progress of the data download is displayed on a bar graph.

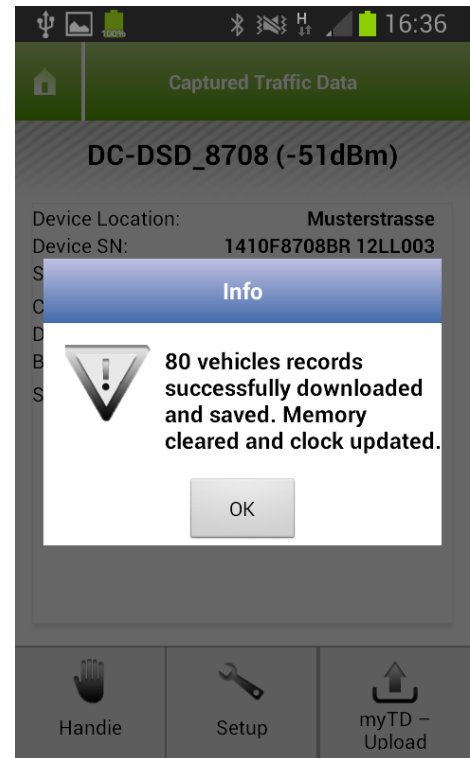




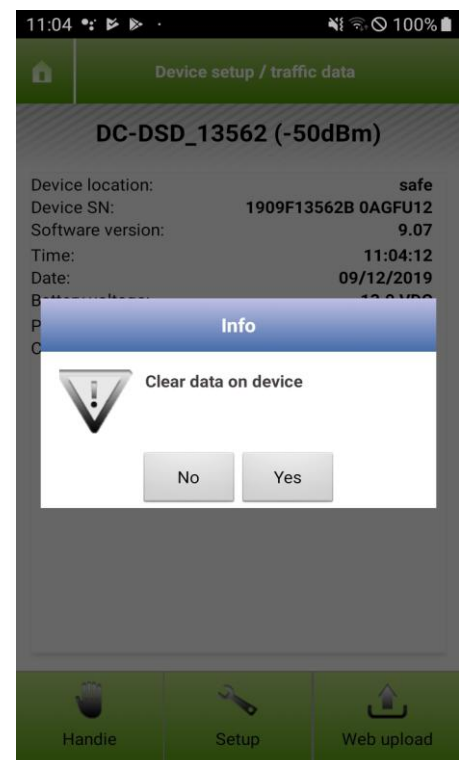
user manual

All existing traffic data have now been downloaded. The memory was deleted and the time was updated.

Now confirm with **OK**.



You will then be asked whether you want to delete the data on the DSD. If the measurement is continued, you can deny this. If you then choose to transfer new setup, the data on the DSD will still be deleted anyway.

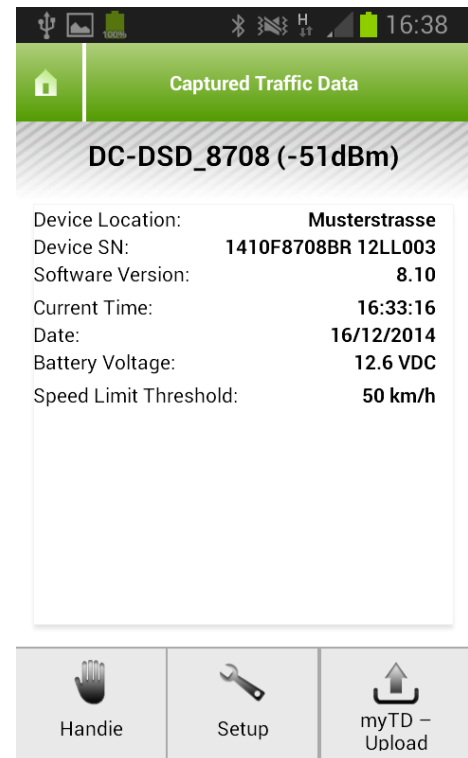




user manual

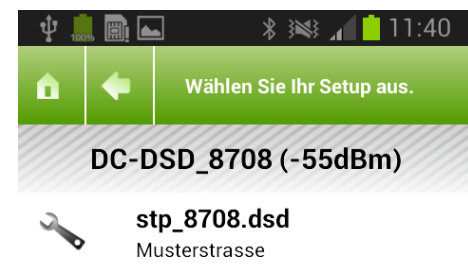
After completion of the download the number of data sets is displayed.

Now click on **Setup**.



The created setup file(s) will now be displayed.
Please select the desired setup file.

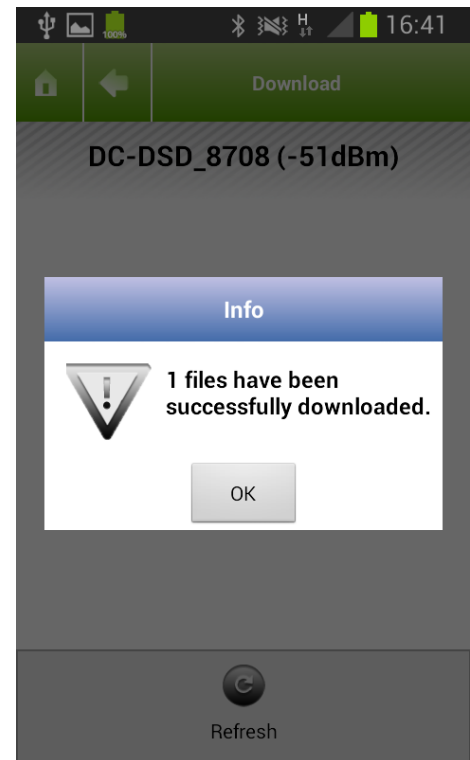
Now click on the selected setup file.





user manual

Successful download of the setup file is confirmed via an info screen. Click **OK**.





12.2 Using a smartphone with SIM card

As the file manager, you can press **Store** to generate the setup file.

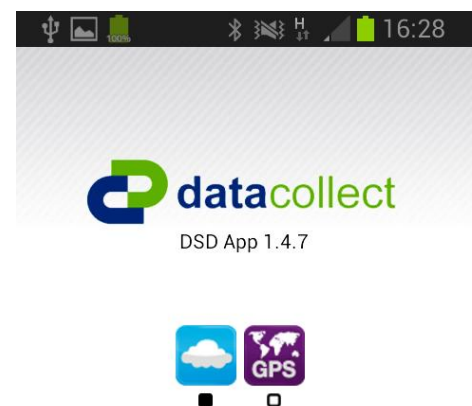


The file that was just created then appears in the bottom area of the myTrafficData setup area and is now available on your smartphone.

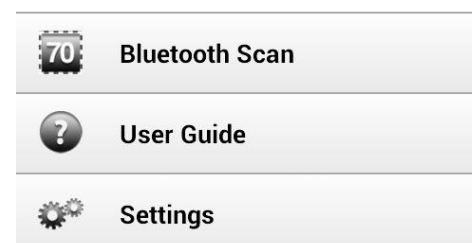
Setups (1)			
Date	Name	Creator	
<u>Dec. 16, 2014</u>	Main Street	Max Mustermann	✖

Connect your DSD to the power supply.

Open the app on your smartphone.



Then click **Bluetooth® Scan**.

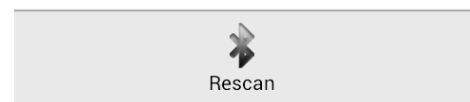
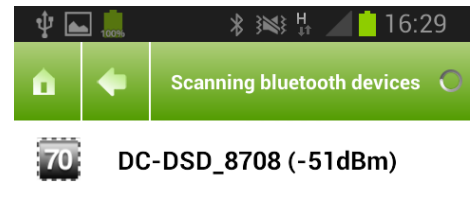




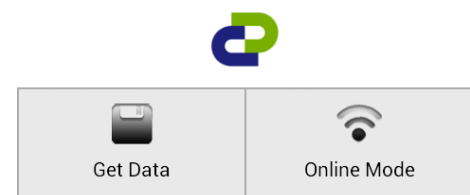
user manual

Now all devices in your vicinity will be scanned.

Click the DSD to which you wish to transfer the setup file.



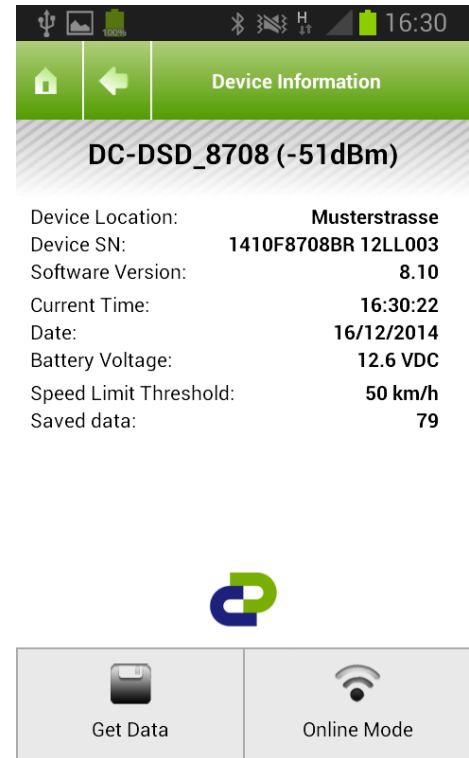
Now you are connected with your DSD and can view its general settings.



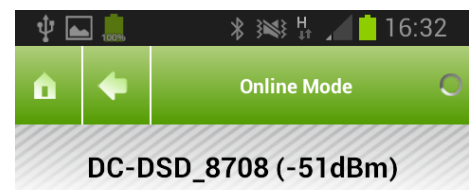


user manual

Click on **Online Mode**.



Here you can monitor the current measurement in real time and check that the device is functioning properly.



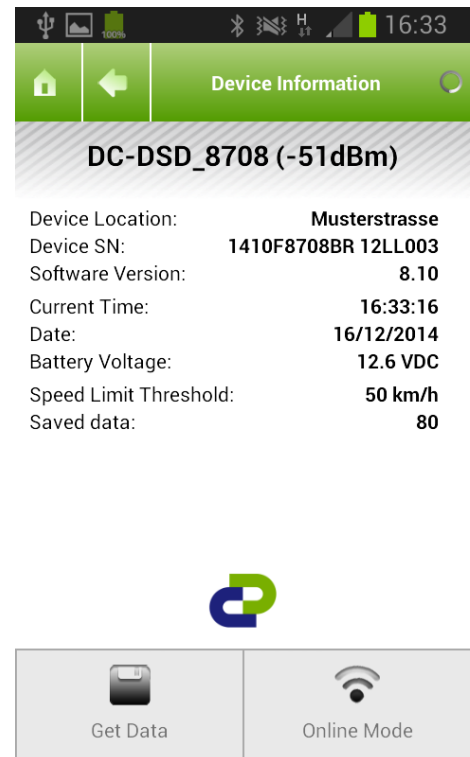
To exit the online mode on the **back arrow**.



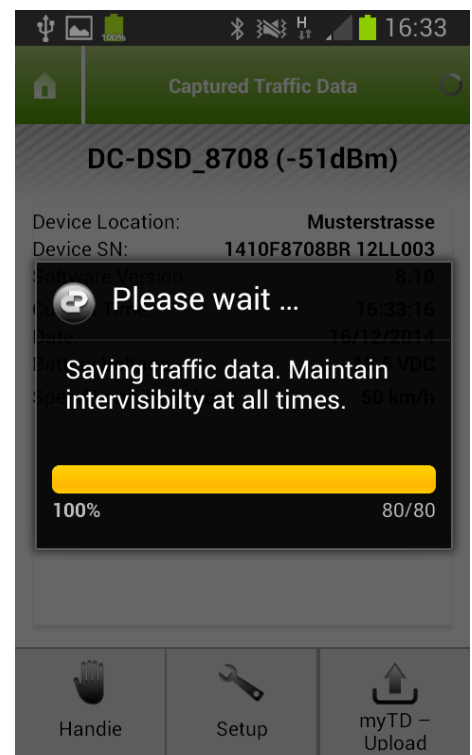


user manual

Now click **Get Data** to transfer the saved traffic data of your DSD to your Smartphone.



The progress of the data download is displayed on a bar graph.

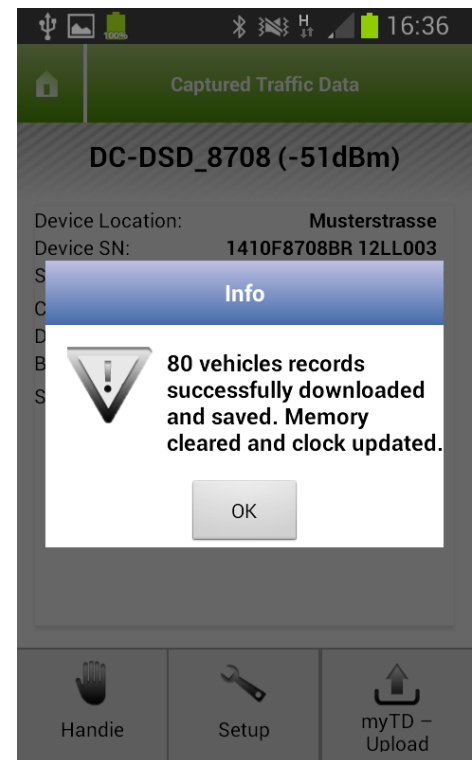




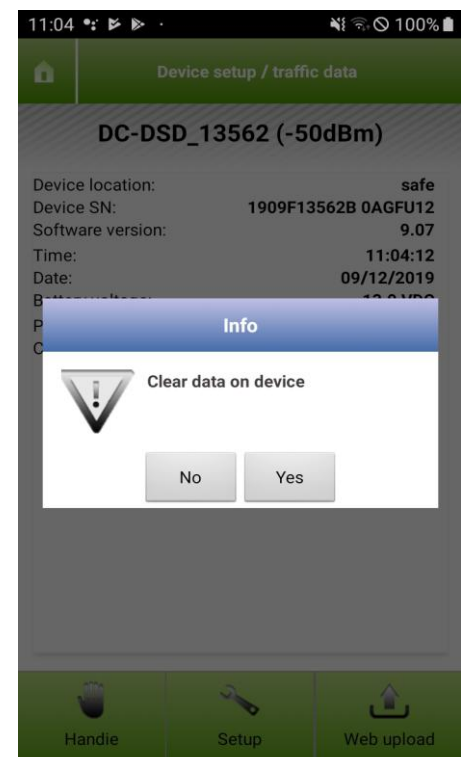
user manual

All existing traffic data have now been downloaded. The memory was deleted and the time was updated.

Now confirm with **OK**.



You will then be asked whether you want to delete the data on the DSD. If the measurement is continued, you can deny this. If you then choose to transfer new setup, the data on the DSD will still be deleted anyway.

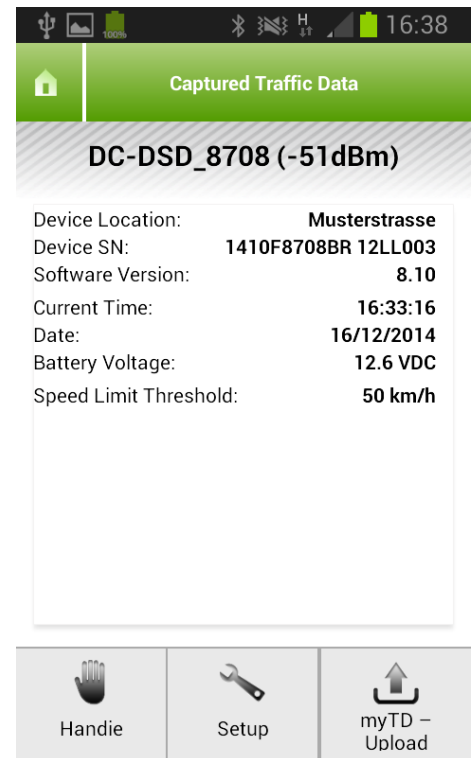




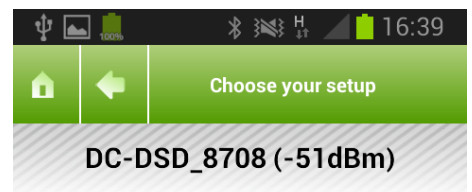
user manual

After completion of the download the number of data sets is displayed.

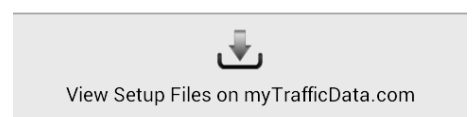
Now click on **Setup**.



Please click **View setup files on myTrafficData.com**.



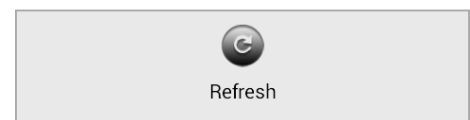
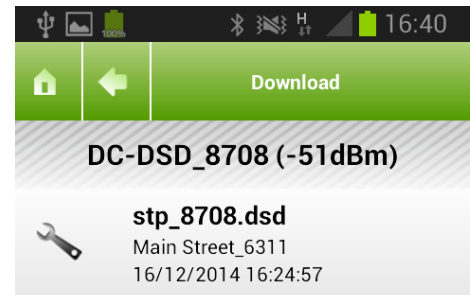
No items available.



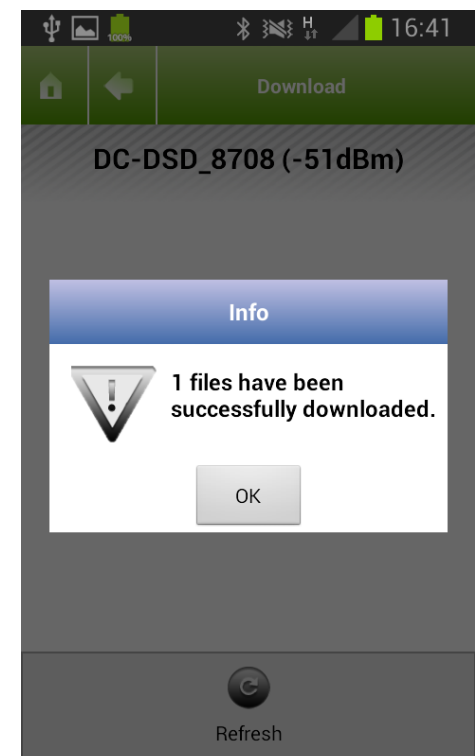


user manual

The generated setup file(s) is/are displayed. Please select the desired setup file.



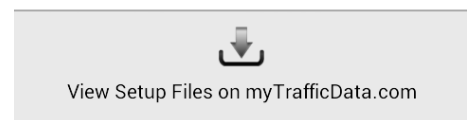
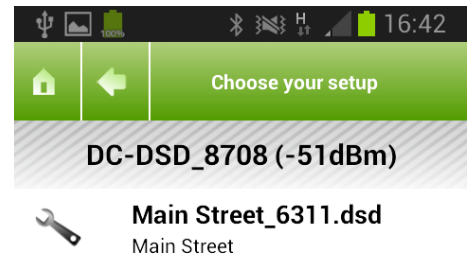
Successful download of the setup file is confirmed via an info screen. Click **OK**.



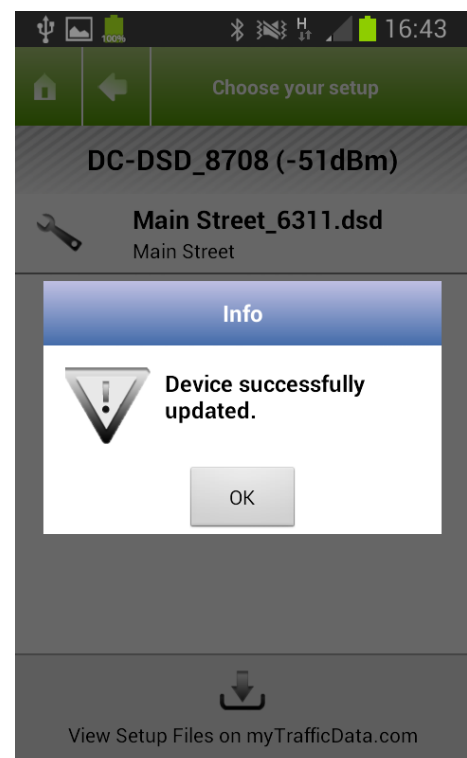


user manual

The downloaded setup file will be displayed. Click to transmit the setup file to the DSD.



The transfer of the setup file is confirmed through an information field

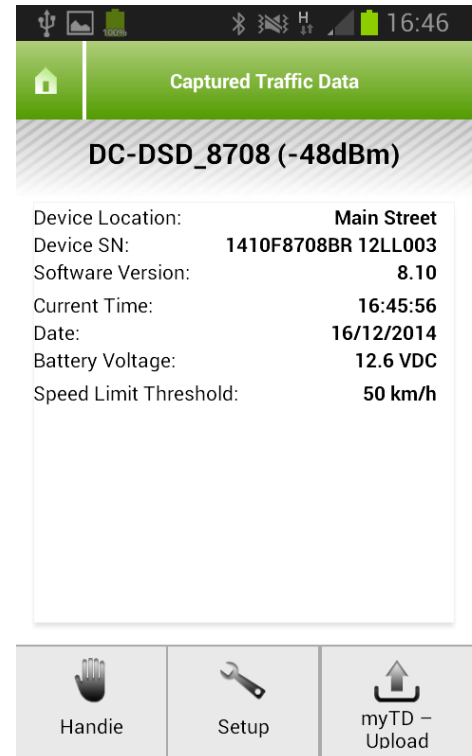




user manual

Should you have bought the Handie App you can now manually set the Safety threshold.

Therefore please click on **Handie**.



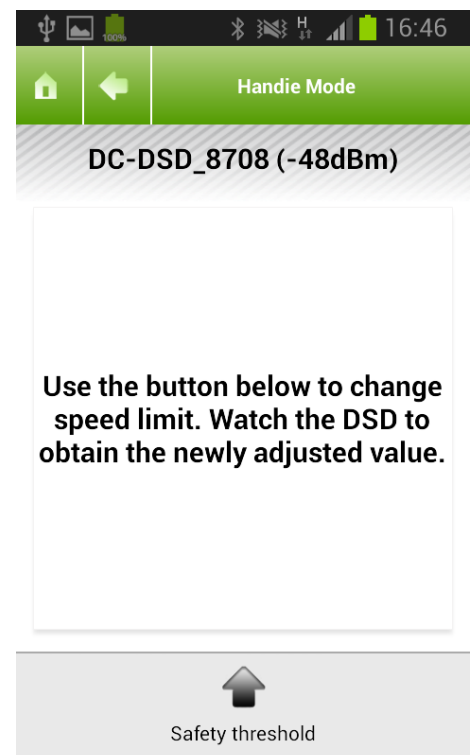
Click on the **Safety threshold** button and watch the DSD. Every time you click on **Safety threshold** the value is set higher.

You may choose between the following threshold values:

7 km/h, 10 km/h, 20 km/h, 30 km/h, 40 km/h, 50 km/h, 60 km/h, 70 km/h, 80 km/h, 90 km/h and 100 km/h.

00 = Off

To confirm the selected speed limit please click on the **back arrow**.

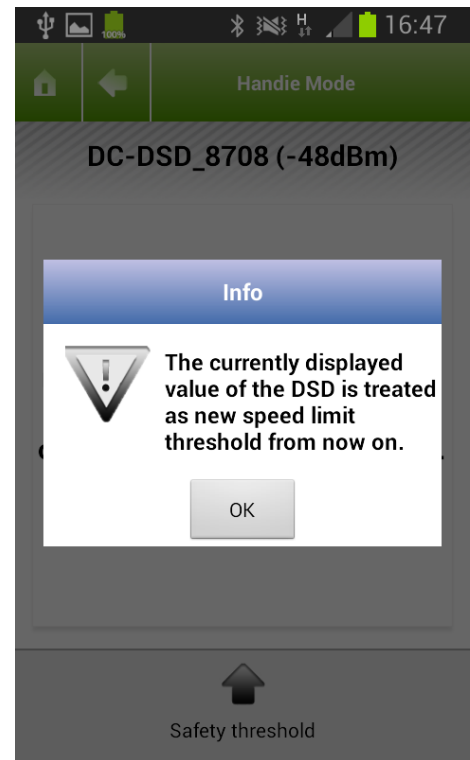




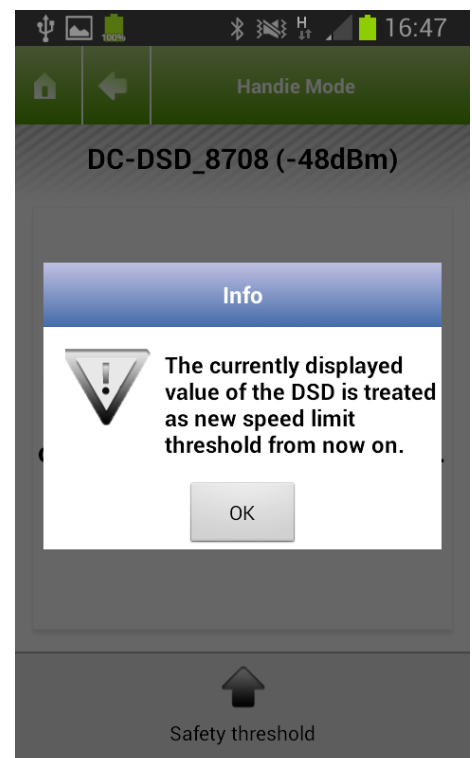
user manual

An info screen appears. On your DSD you can now see the set threshold value.

Click ok to confirm the settings.



Now, the newly set speed limit is displayed.

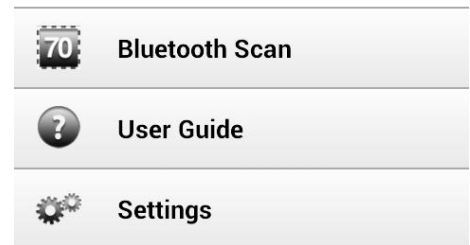




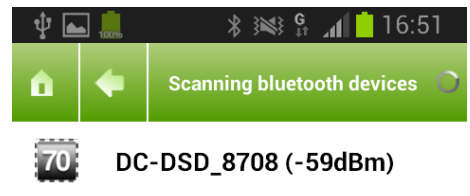
13 Reading out of data from the DSD

13.1 Via Smartphone without SIM Card

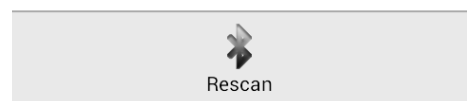
Connect your DSD to the power supply and then click on *Bluetooth®* Scan.



Now all devices in your vicinity will be scanned.



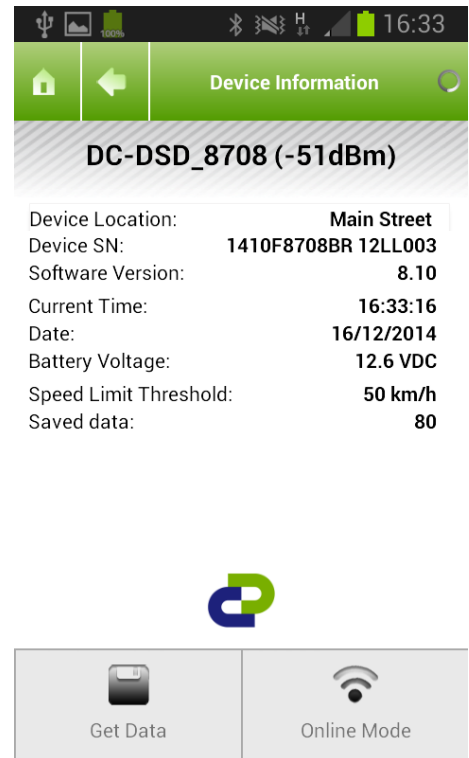
Click the DSD to which you want to connect to download traffic data.



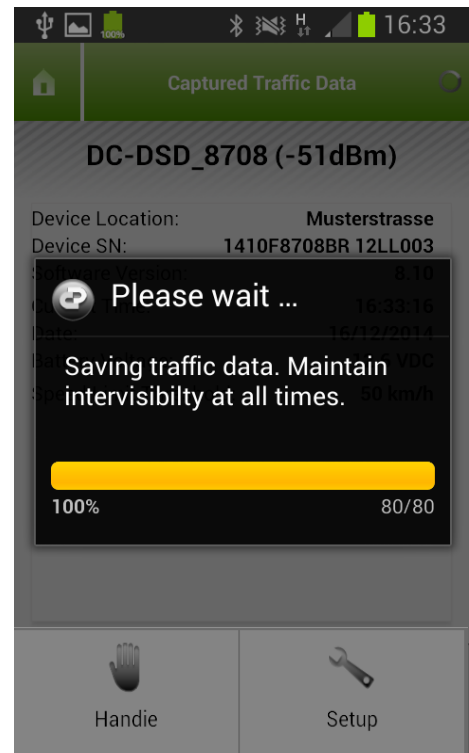


user manual

Now click on **Get Data**.



The progress of the data download is displayed on a bar graph

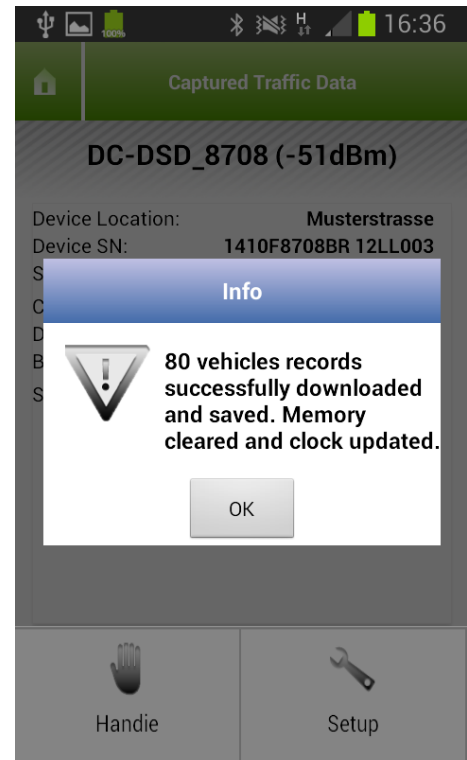




user manual

All existing traffic data has now been downloaded to the main storage of the smartphone. The memory was deleted and the time was updated.

Now confirm with **OK**.



You will then be asked whether you want to delete the data on the DSD. If the measurement is continued, you can deny this. If you then choose to transfer new setup, the data on the DSD will still be deleted anyway.

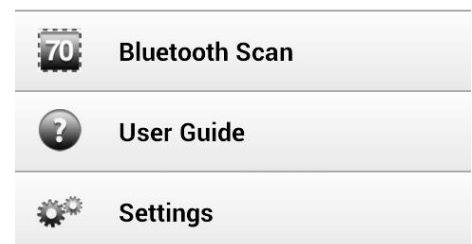




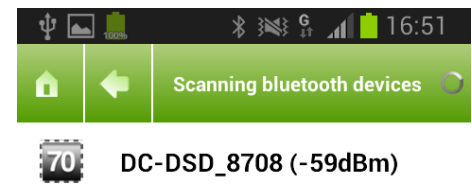
13.2 Via Smartphone with SIM Card

Should you use a SIM Card, please set your smartphone to airplane mode to prevent data loss through a disconnection of the data download, for example through phone calls.

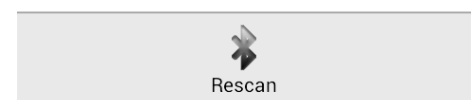
Connect your DSD to the power supply and then click on *Bluetooth®* Scan.



Now all devices in your vicinity will be scanned.



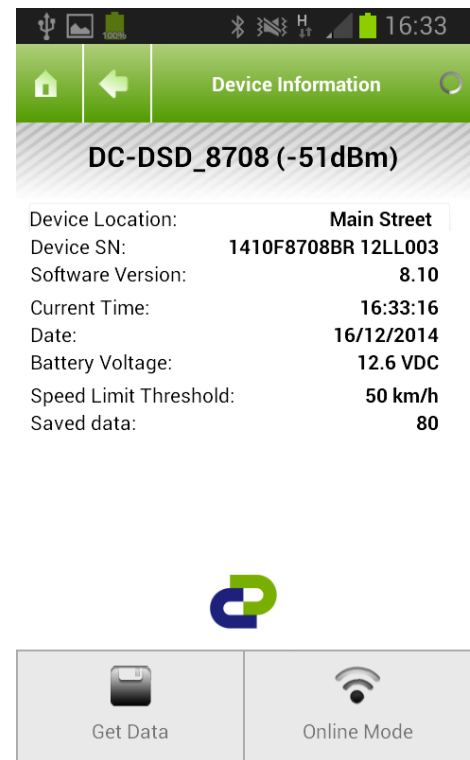
Click the DSD to which you want to connect to download traffic data.



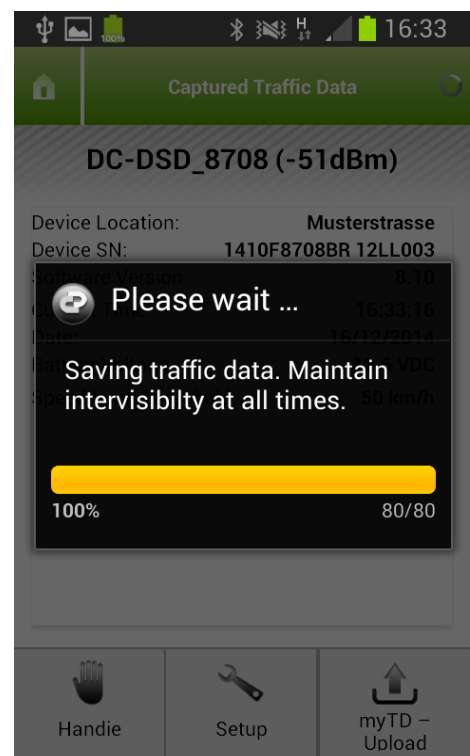


user manual

Now click on **Get Data**.



The progress of the data download is displayed on a bar graph

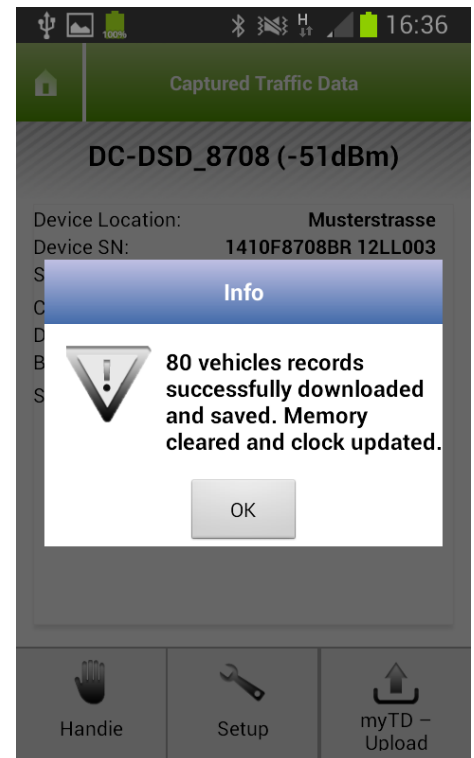




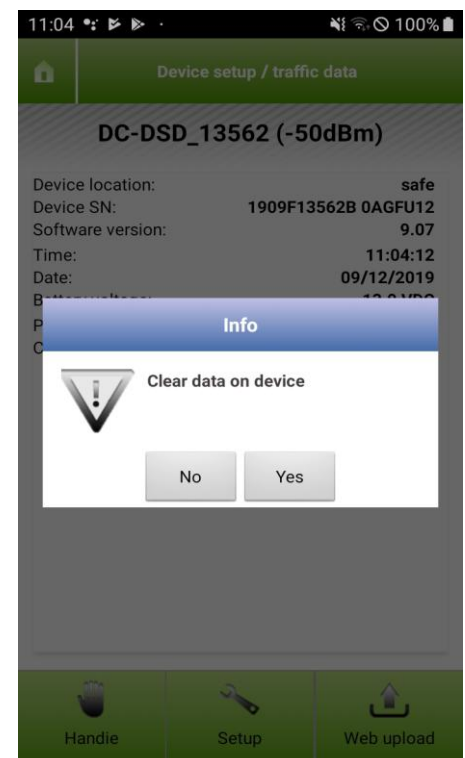
user manual

All existing traffic data has now been downloaded to the main storage of the smartphone. The memory was deleted and the time was updated.

Now confirm with **OK**.



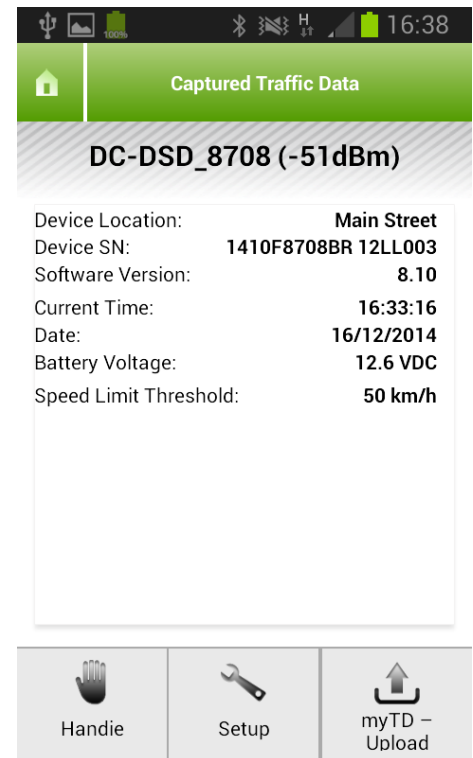
You will then be asked whether you want to delete the data on the DSD. If the measurement is continued, you can deny this. If you then choose to transfer new setup, the data on the DSD will still be deleted anyway.





user manual

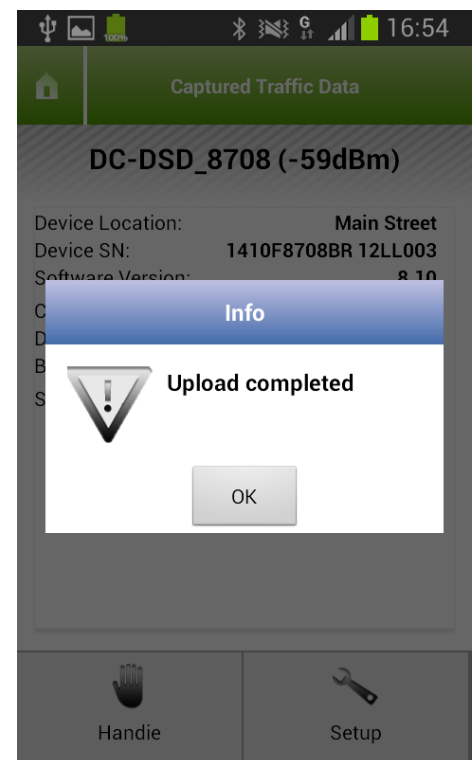
Now click on **myTD Upload** to automatically send the collected traffic data to www.myTrafficData.com.



The successful upload will be confirmed via an information field.

Now confirm with **OK**.

You can now exit the app.



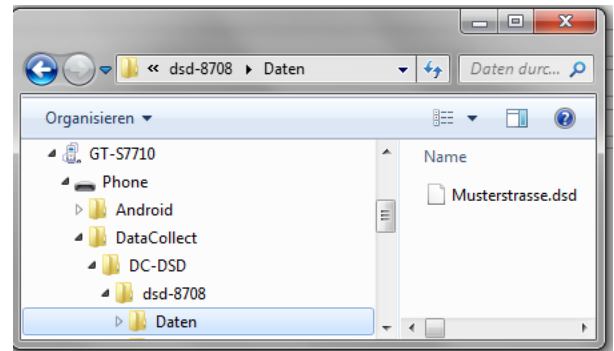


14 Evaluation via WebReport

14.1 Transfer of the measured data

14.1.1 Via Smartphone without SIM card

After you have downloaded the traffic data to your smartphone, connect it to your PC via USB. The file (*.dsd) is stored on your smartphone at the following path:



Log in to www.myTrafficData.com and, under the “Quick Start” section in the left-hand menu, select the “WebReport” function.





Click on **Search** and navigate to the file with the measured data of your DSD.

14.1.2 Via Smartphone with SIM card

The data has been automatically uploaded to www.myTrafficData.com. To access it, go to Files > Data Management.

Click on the automatically created “Data” folder. A window will open where you can view your uploaded file.

Now click on “Report.”



14.2 Configuration

Quick Start

WebReport

Files

Sites

Networks

Instruments

Account

Configuration | Site | Author

Scale | Reset

Volume V(in) V(out)

Format * Basic (4 Pages)

Start date * 15/03/2013 12:00

End date * 22/03/2013 10:59

Posted Speed Limit * 30 km/h

Velocity of vehicle exit ☒

Interval * 60 min

Daily start time * 00:00

Daily end time * 23:59

Days * ☒ Mon ☒ Tue ☒ Wen ☒ Thu ☒ Fri ☒ Sat ☒ Sun

Speed Interval Bin * Default

Only the first 12 intervals are considered

Calc. speed * ☐ min ☒ avg ☐ max ☐ v15 ☐ v50 ☐ v85

Next

In the next step you can make the settings for evaluation.

In the upper area you will see the line charts of the vehicle quantity and the entry and exit speed for the entire period in which the DSD was active.

Below the line chart there are two slide controllers for the limitation of the measuring period. For this, push the controller at the left and right-hand end of the blue bar.



Designation	Description
Scale	Zooms the line chart to the area set via the slide controller
Reset	Resets the setting for the period and zoom back to the overall data view.
Format	Here you can select the type of evaluation generated between standard (4 pages) and extended (4 pages + one additional page each per measuring day). This function can be optionally acquired.
Start date	Shows the date/time, at which the evaluation begins. To adjust the start date push the left-hand controller of the blue bar below the line chart.
End date	Shows the date/time on which the evaluation ends. To adjust the end date push the right-hand controller of the blue bar below the line chart.
Posted Speed Limit	You can adjust the speed limit of the measuring point here. The value is first adopted from the loaded file, but can be changed as required.
Velocity of vehicle exit	If you select the check box, the exit speed will be included in the evaluation.
Interval	Here you can select the time division for the aggregation.
Daily start and end time	Only vehicle data within the set time frame is considered in the evaluation. For full-day evaluation, please enter 0:00 as the start time and 23:59 as the end time.
Days	Here you can select which weekdays are to be considered in the evaluation.
Speed Interval Bin	You can create your own speed class sets (see profile) which you can select here.
Calc. speed	Line charts can be selected here, which are to be displayed in the speed diagram.
Two direction	If you select the checkbox, the report will also show the vehicles that were registered in the opposite direction.

14.3 Definition v15, v50 and v85

v15: Shows the speed, which is **not exceeded** by 15% of drivers.

v50: Shows the speed, which is **not exceeded** by 50 % of drivers.

v85: Shows the speed, which is **not exceeded** by 85 % of drivers.



Example: You sort 100 vehicles ascending according to speed. The speed of the 86th vehicle corresponds with the value v85. You can therefore see whether the majority of drivers abide by the speed specified by the StVO (German Road Traffic Regulations).

If 85% of all vehicles adhere to the permissible top speed of e.g. 50 km/h, then this speed is considered to have been accepted by road traffic. If the value v85 is clearly above the permissible top speed, traffic planning/traffic calming measures should be taken.

Number of vehicles	km/h	v15 not exceeded by 15%	v85 not exceeded by 85%
1	2		
2	4		
3	6		
4	8		
5	10		
6	12		
7	14		
8	16		
9	18		
10	20		
11	22		
12	24		
13	26		
14	28		
15	30		
16	32	V 15 value	
17	34		
...	...	...	...
...	...	...	...
...	...	...	...
84	168		
85	170		
86	172		V 85 value
87	174		
88	176		
89	178		
90	180		
91	182		
92	184		
93	186		
94	188		
95	190		
96	192		
97	194		
98	196		
99	198		
100	200		

You can proceed to the next step via the **Continue** button.



14.4 Site

Home > Report > WebReport

Welcome, John Doe | [Profile](#) | [Log out](#)

Quick Start

WebReport

Files

Sites

Networks

▶ Instruments

▶ Account

Configuration Site Author

Site name * DSD 1

Comment Main Street

Direction oncoming North

Direction outgoing South

Back Next

Here, you can specify detailed information on the measuring point. While adopted from the measuring data stored in the setup file, the name of the measuring point can also be edited here. All fields are alphanumerical and limited to 16 characters.

You can proceed to the next step with a press of the **Next** button.



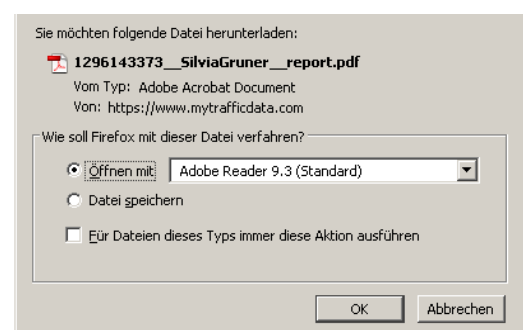
14.5 Author

Here you can state details of the author, which will later appear on the report. You also have the possibility by means of Search to add your individual logo (*.jpg; *.bmp; *.png; *.gif). The entries are adopted from your profile, but can be changed at random. Changes at this point are not transferred to your profile!

If you click on the **Download** button an evaluation in .pdf format is generated. You can save these on your PC. For this you require a pdf reader (e.g. Adobe Reader). If you do not have this software installed on your computer you can download it free of charge e.g. from <http://get.adobe.com/uk/reader/>.

14.6 Sample evaluation

After having requested the report you can directly **open** the evaluation or save it under **Save file** on your PC.





14.6.1 Basic for just oncoming direction

Basic report page 1

Traffic report

powered by  datacollect**Author**

Institution John Doe Ltd.
 Department Traffic Engineering
 Street Main Street 1
 Postal code 12345
 City Model Town
 Country Germany
 Contact John Doe
 Phone +44-1234-5678-0
 Email demo@john-doe.com

Generated with DataCollect Webreporter version 1.0 at 11/09/2013 14:10:12

Site

Name DSD 1
 Dir. Oncoming (name) North
 Dir. Outgoing (name) South
 Posted Speed Limit **30**
 Comment Main Street
 Device type DSD

Time Range

Start date 15/03/2013 12:00
 End date 22/03/2013 10:59
 Days Mo, Tu, We, Th, Fr, Sa, Su
 Time Interval 60 minutes
 Time / Day 00:00 - 23:59

Speed Classes

[V in km/h]

Time	Σ	10	20	30	40	50	60	70	80	90	100	110	>110
00:00-06:00	293	0	10	101	135	43	4	0	0	0	0	0	0
06:00-09:00	1037	3	38	449	442	102	3	0	0	0	0	0	0
15:00-19:00	2049	0	91	699	984	260	15	0	0	0	0	0	0
06:00-22:00	6501	7	233	2334	3143	736	46	2	0	0	0	0	0
00:00-24:00	6879	7	246	2458	3317	792	57	2	0	0	0	0	0

Calculated speeds

[V in km/h]

**DSD SAFETY Success**

Vmin	Vavg	Vmax	V15	V50	V85	Vexc %	Vin	Vout	Vred	Vred %
7	33	64	26	32	40	60.6	33	30	-3	-9

Descriptions

Vmin: Minimal velocity
 Vavg: Average velocity
 Vmax: Maximal velocity
 V15: Critical velocity for the first 15% of vehicles
 V50: Critical velocity for the first 50% of vehicles

V85: Critical velocity for the first 85% of vehicles
 Vexc %: Speeding in %
 Vin: Average entry velocity
 Vout: Average exit velocity
 Vred: Average speed reduction between entry and exit velocity



Basic report page 2

Traffic report

powered by datacollect

Author

Institution	John Doe Ltd.
Department	Traffic Engineering
Street	Main Street 1
Postal code	12345
City	Model Town
Country	Germany
Contact	John Doe
Phone	+44-1234-5678-0
Email	demo@john-doe.com

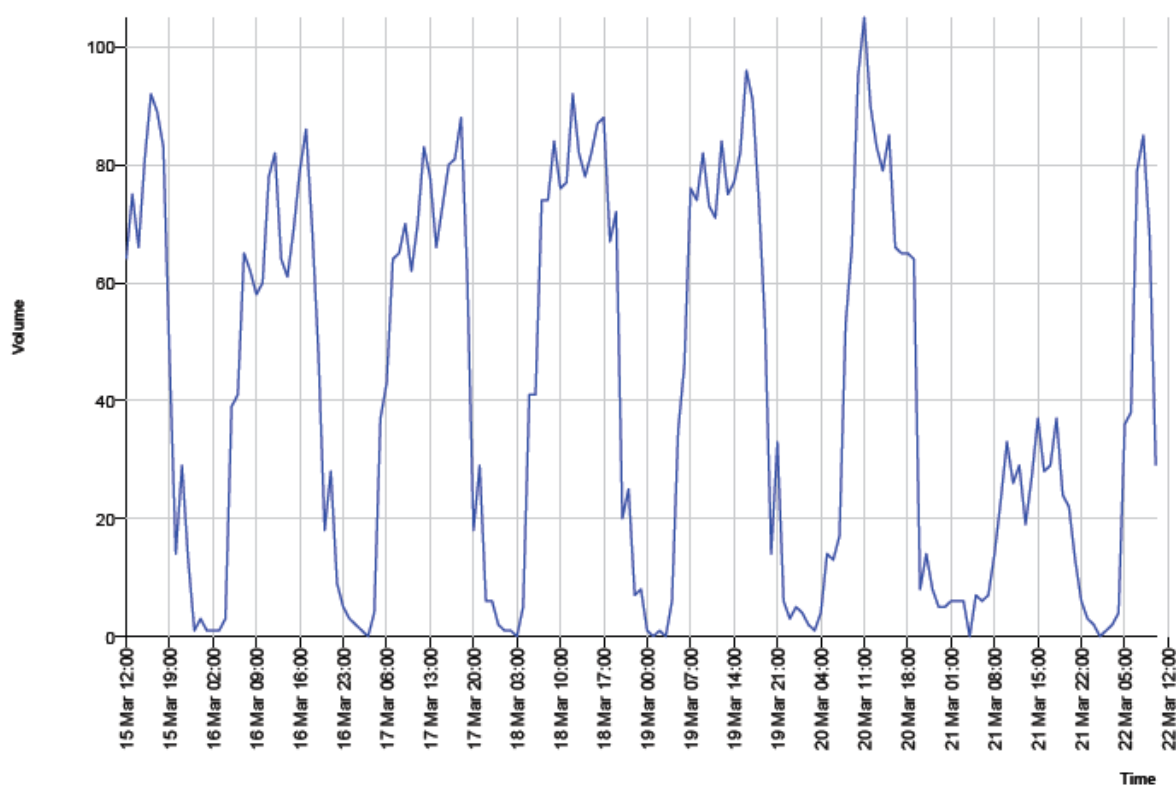
Generated with DataCollect Webreporter version 1.0 at 11/09/2013 14:10:12

Site

Name	DSD 1
Dir. Oncoming (name)	North
Dir. Outgoing (name)	South
Posted Speed Limit	30
Comment	Main Street
Device type	DSD

Time Range

Start date	15/03/2013 12:00
End date	22/03/2013 10:59
Days	Mo, Tu, We, Th, Fr, Sa, Su
Time Interval	60 minutes
Time / Day	00:00 - 23:59

Time / Volume graph



Basic report page 3

Traffic report

powered by  datacollect**Author**

Institution	John Doe Ltd.
Department	Traffic Engineering
Street	Main Street 1
Postal code	12345
City	Model Town
Country	Germany
Contact	John Doe
Phone	+44-1234-5678-0
Email	demo@john-doe.com

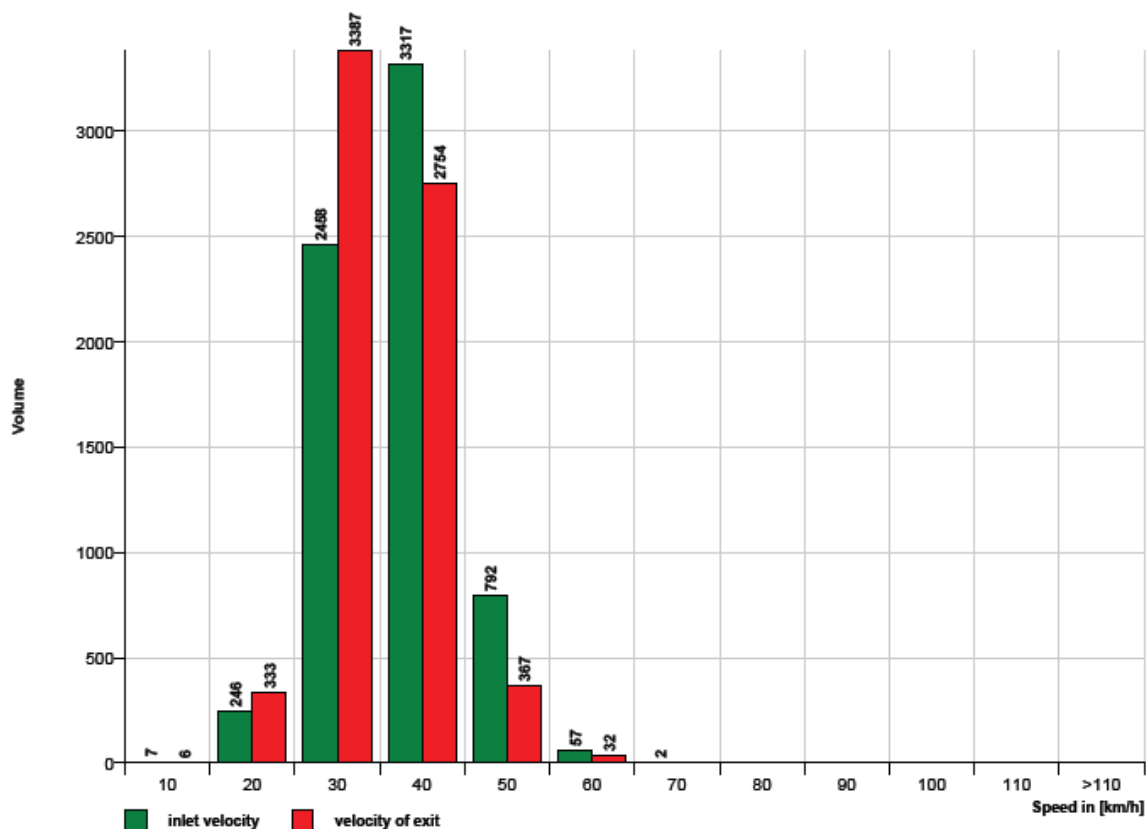
Generated with DataCollect Webreporter version 1.0 at 11/09/2013 14:10:12

Site

Name	DSD 1
Dir. Oncoming (name)	North
Dir. Outgoing (name)	South
Posted Speed Limit	30
Comment	Main Street
Device type	DSD

Time Range

Start date	15/03/2013 12:00
End date	22/03/2013 10:59
Days	Mo, Tu, We, Th, Fr, Sa, Su
Time Interval	60 minutes
Time / Day	00:00 - 23:59

Speed histogram



Basic report page 4

Traffic report

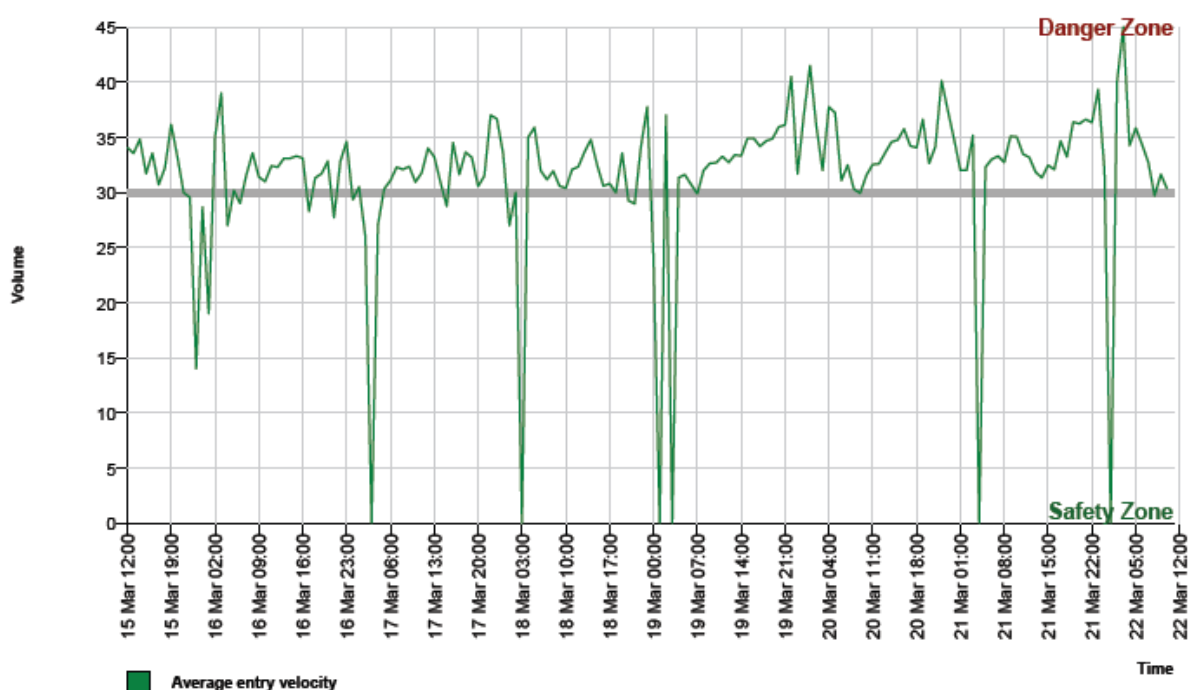
powered by  datacollect

Author	
Institution	John Doe Ltd.
Department	Traffic Engineering
Street	Main Street 1
Postal code	12345
City	Model Town
Country	Germany
Contact	John Doe
Phone	+44-1234-5678-0
Email	demo@john-doe.com

Generated with DataCollect Webreporter version 1.0 at 11/09/2013 14:10:12

Site		Time Range	
Name	DSD 1	Start date	15/03/2013 12:00
Dir. Oncoming (name)	North	End date	22/03/2013 10:59
Dir. Outgoing (name)	South	Days	Mo, Tu, We, Th, Fr, Sa, Su
Posted Speed Limit	30	Time Interval	60 minutes
Comment	Main Street	Time / Day	00:00 - 23:59
Device type	DSD		

Calc. Diagram





14.6.2 Basic for “Two directions”

Basic report page 1

Traffic Evaluation

powered by  datacollect**Author**

Institution John Dow Ltd.
 Department Traffic Engineering
 Street Main Street 1
 Postal Code 12345
 City Model Town
 Country Germany
 Contact John Doe
 Phone +49-0-123456789
 E-Mail demo@john-doe.com

Built with **DataCollect Webreporter** version 1.0 at 22/11/2019 13:44:46**Site**

Name DSD 1
 Dir. Oncoming (name) North
 Dir. Outgoing (name) South
 Posted Speed Limit 
 Comment Main Street
 Device type DSD

Time Range

Start Date 11/03/2019 11:00
 End Date 18/03/2019 06:59
 Days Mo, Tu, We, Th, Fr, Sa, Su
 Time Interval 60 minutes
 Time Frame / Day 00:00 - 23:59

DSD SAFETY Success

[V in km/h]

Vin	Vout	Vred	Vred %
40	27	-13	-33

**Speed Figures**

[V in km/h]

	Vmin	Vavg	Vmax	V15	V50	V85	Vexc %
Cross-section	17	40	84	32	40	48	90.3
Oncoming	19	42	84	34	43	50	91.3
Outgoing	17	39	65	32	38	45	89.6

Descriptions

Vmin: Minimal velocity
 Vavg: Average velocity
 Vmax: Maximal velocity

V15: Critical velocity for the first 15% of vehicles
 V50: Critical velocity for the first 50% of vehicles

V85: Critical velocity for the first 85% of vehicles

Vexc %: Speeding In %

Vin: Average Inlet velocity

Vout: Average velocity of exit

Vred: Average speed reduction between Inlet velocity and velocity of exit

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Basic report page 2

Traffic Evaluation

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Author	
Institution	John Dow Ltd.
Department	Traffic Engineering
Street	Main Street 1
Postal Code	12345
City	Model Town
Country	Germany
Contact	John Doe
Phone	+49-0-123456789
E-Mail	demo@john-doe.com

Built with DataCollect Webreporter version 1.0 at 22/11/2019 13:54:19

Site		Time Range	
Name	DSD 1	Start Date	11/03/2019 11:00
Dir. Oncoming (name)	North	End Date	18/03/2019 06:59
Dir. Outgoing (name)	South	Days	Mo, Tu, We, Th, Fr, Sa, Su
Posted Speed Limit		Time Interval	60 minutes
Comment	Main Street	Time Frame / Day	00:00 - 23:59
Device type	DSD		

Speed Classes (Incoming) [V in km/h]

Time	Σ	10	20	30	40	50	60	70	80	90	100	110	>110
00:00-06:00	91	0	0	7	25	33	22	4	0	0	0	0	0
06:00-09:00	295	0	3	25	101	132	32	2	0	0	0	0	0
15:00-19:00	1016	0	1	96	317	502	92	7	1	0	0	0	0
06:00-22:00	2785	0	6	242	856	1330	309	37	4	1	0	0	0
00:00-24:00	3012	0	6	255	913	1416	367	50	4	1	0	0	0

Speed Classes (Outgoing) [V in km/h]

Time	Σ	10	20	30	40	50	60	70	80	90	100	110	>110
00:00-06:00	215	0	0	17	105	83	10	0	0	0	0	0	0
06:00-09:00	669	0	3	51	372	223	20	0	0	0	0	0	0
15:00-19:00	1288	0	5	142	707	395	37	2	0	0	0	0	0
06:00-22:00	4063	0	14	418	2149	1333	146	3	0	0	0	0	0
00:00-24:00	4392	0	15	442	2310	1460	161	4	0	0	0	0	0



Basic report page 3

Traffic Evaluation

powered by datacollect

Author	
Institution	John Dow Ltd.
Department	Traffic Engineering
Street	Main Street 1
Postal Code	12345
City	Model Town
Country	Germany
Contact	John Doe
Phone	+49-0-123456789
E-Mail	demo@john-doe.com

Built with **DataCollect Webreporter** version 1.0 at 22/11/2019 13:54:20

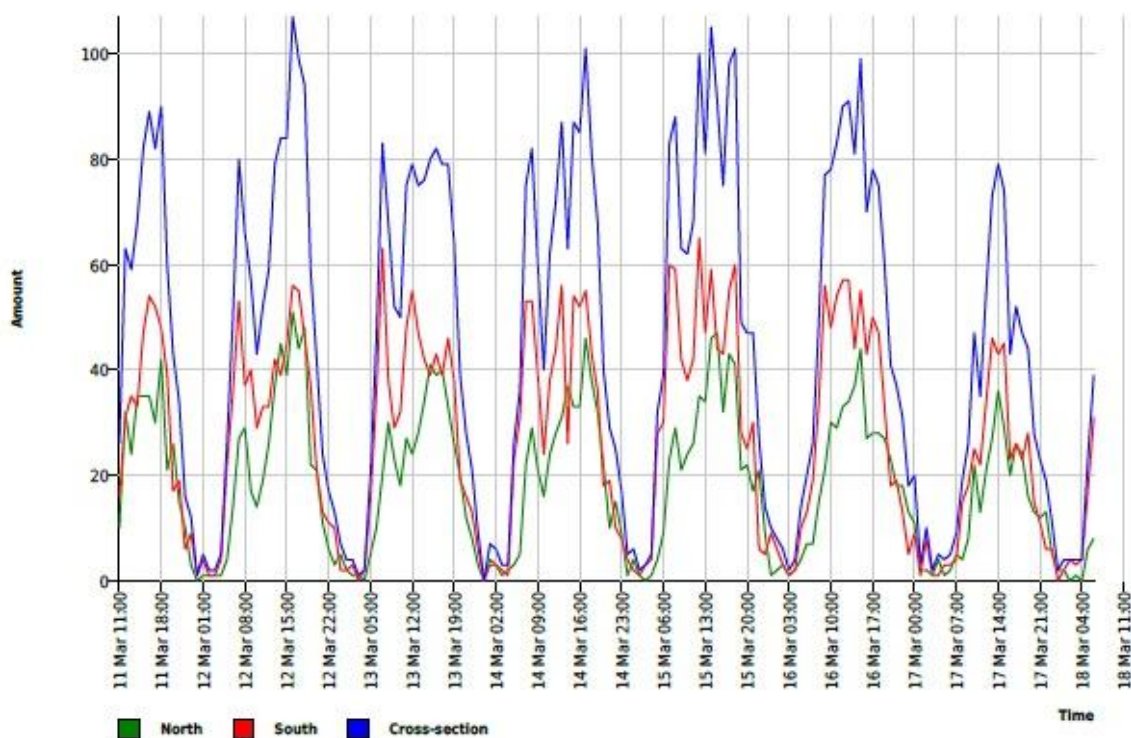
Site

Name	DSD 1
Dir. Oncoming (name)	North
Dir. Outgoing (name)	South
Posted Speed Limit	
Comment	Main Street
Device type	DSD

Time Range

Start Date	11/03/2019 11:00
End Date	18/03/2019 06:59
Days	Mo, Tu, We, Th, Fr, Sa, Su
Time Interval	60 minutes
Time Frame / Day	00:00 - 23:59

Time Variation Curve



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Basic report page 4

Traffic Evaluation

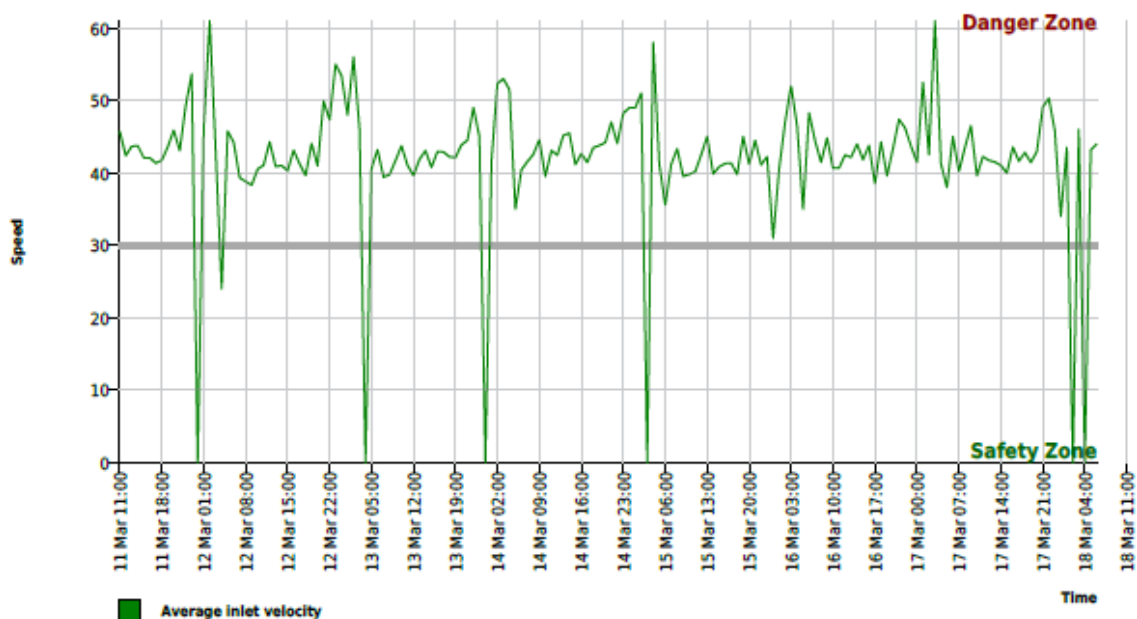
powered by datacollect

Author	
Institution	John Dow Ltd.
Department	Traffic Engineering
Street	Main Street 1
Postal Code	12345
City	Model Town
Country	Germany
Contact	John Doe
Phone	+49-0-123456789
E-Mail	demo@john-doe.com

Built with **DataCollect Webreporter** version 1.0 at 22/11/2019 13:54:20

Site		Time Range	
Name	DSD 1	Start Date	11/03/2019 11:00
Dir. Oncoming (name)	North	End Date	18/03/2019 06:59
Dir. Outgoing (name)	South	Days	Mo, Tu, We, Th, Fr, Sa, Su
Posted Speed Limit		Time Interval	60 minutes
Comment	Main Street	Time Frame / Day	00:00 - 23:59
Device type	DSD		

Speed Diagram (Direction Oncoming)



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Basic report page 5

Traffic Evaluation

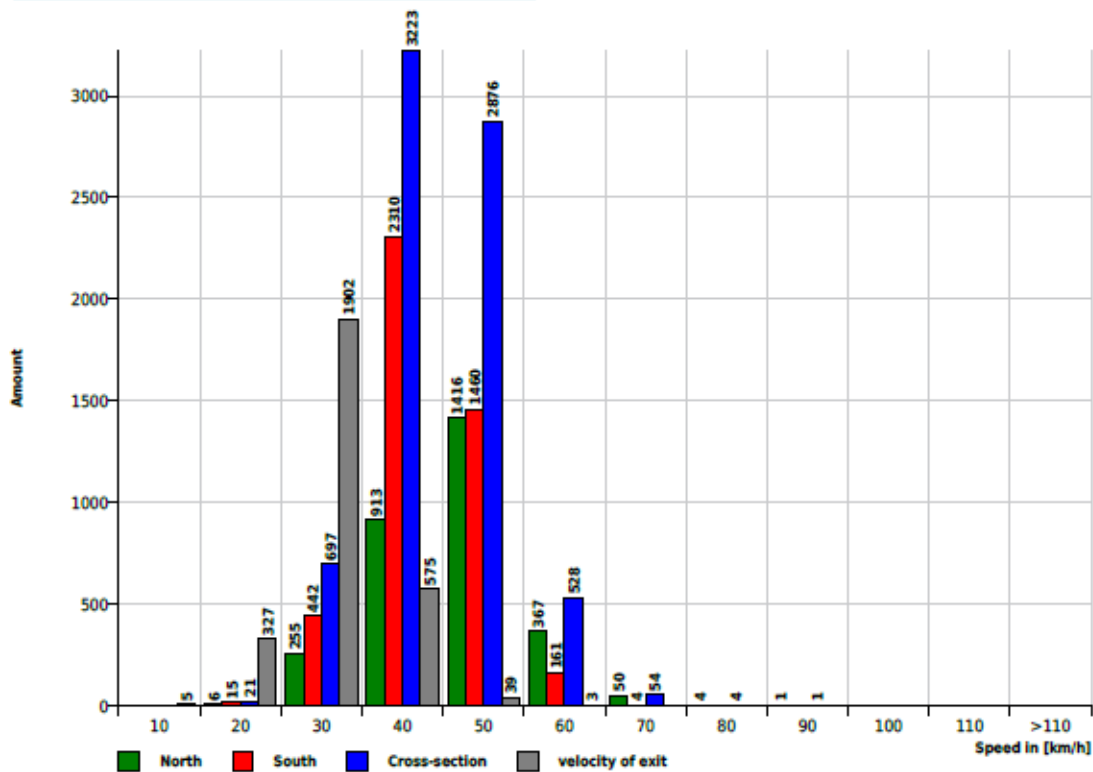
powered by datacollect

Author	
Institution	John Dow Ltd.
Department	Traffic Engineering
Street	Main Street 1
Postal Code	12345
City	Model Town
Country	Germany
Contact	John Doe
Phone	+49-0-123456789
E-Mail	demo@john-doe.com

Built with **DataCollect Webreporter** version 1.0 at 22/11/2019 13:54:20

Site		Time Range	
Name	DSD 1	Start Date	11/03/2019 11:00
Dir. Oncoming (name)	North	End Date	18/03/2019 06:59
Dir. Outgoing (name)	South	Days	Mo, Tu, We, Th, Fr, Sa, Su
Posted Speed Limit		Time Interval	60 minutes
Comment	Main Street	Time Frame / Day	00:00 - 23:59
Device type	DSD		

Speed Histogram



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14.6.3 Extended report

Extended report page 1, Starts directly after the basic report

John Doe Ltd.: DSD 1

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Time	Σ	10	20	30	40	50	60	70	80	90	100	110	>110	V _{min}	V _{max}	V _{avg}	V ₁₅	V ₅₀	V ₈₅	V _{out}
15/03/2013 12:00	64	0	2	14	39	9	0	0	0	0	0	0	0	15	48	34	28	34	40	31
15/03/2013 13:00	75	0	1	23	43	8	0	0	0	0	0	0	0	12	50	33	28	33	40	30
15/03/2013 14:00	66	0	1	10	44	11	0	0	0	0	0	0	0	20	50	34	30	33	43	31
15/03/2013 15:00	81	0	5	29	36	11	0	0	0	0	0	0	0	11	47	31	25	32	39	30
15/03/2013 16:00	92	0	2	28	53	8	1	0	0	0	0	0	0	19	60	33	28	34	39	30
15/03/2013 17:00	89	0	3	37	44	5	0	0	0	0	0	0	0	17	44	30	26	31	36	28
15/03/2013 18:00	83	0	4	29	44	6	0	0	0	0	0	0	0	14	50	32	27	33	38	30
15/03/2013 19:00	47	0	0	9	25	13	0	0	0	0	0	0	0	23	50	36	30	35	42	32
15/03/2013 20:00	14	0	0	6	4	4	0	0	0	0	0	0	0	21	50	33	26	32	43	31
15/03/2013 21:00	29	0	0	20	6	3	0	0	0	0	0	0	0	21	50	29	25	28	37	28
15/03/2013 22:00	13	0	1	6	6	0	0	0	0	0	0	0	0	19	39	29	22	28	39	29
15/03/2013 23:00	1	0	1	0	0	0	0	0	0	0	0	0	0	14	14	14	14	14	14	14

[Fri, 15 March]	Σ	10	20	30	40	50	60	70	80	90	100	110	>110	V _{min}	V _{max}	V _{avg}	V ₁₅	V ₅₀	V ₈₅	V _{out}
00:00-06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00-09:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:00-19:00	345	0	14	123	177	30	1	0	0	0	0	0	0	11	60	32	26	32	38	29
06:00-22:00	640	0	18	205	338	78	1	0	0	0	0	0	0	11	60	32	27	33	39	30
00:00-24:00	654	0	20	211	344	78	1	0	0	0	0	0	0	11	60	32	27	33	39	30

Extended report page 6 (total number of pages) = 4 or 6+n, whereby n = number of measurement days)

John Doe Ltd.: DSD 1

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Time	Σ	10	20	30	40	50	60	70	80	90	100	110	>110	V _{min}	V _{max}	V _{avg}	V ₁₅	V ₅₀	V ₈₅	V _{out}
16/03/2013 00:00	3	0	0	2	1	0	0	0	0	0	0	0	0	22	35	28	22	29	35	26
16/03/2013 01:00	1	0	1	0	0	0	0	0	0	0	0	0	0	19	19	19	19	19	19	19
16/03/2013 02:00	1	0	0	0	1	0	0	0	0	0	0	0	0	35	35	35	35	35	35	35
16/03/2013 03:00	1	0	0	0	1	0	0	0	0	0	0	0	0	39	39	39	39	39	39	32
16/03/2013 04:00	3	0	1	1	1	0	0	0	0	0	0	0	0	20	36	27	20	25	36	26
16/03/2013 05:00	39	0	3	16	18	2	0	0	0	0	0	0	0	13	43	30	23	31	37	29
16/03/2013 06:00	41	1	0	24	14	2	0	0	0	0	0	0	0	10	44	29	23	29	36	28
16/03/2013 07:00	65	0	2	29	28	6	0	0	0	0	0	0	0	14	47	31	25	31	38	29
16/03/2013 08:00	62	0	0	24	30	8	0	0	0	0	0	0	0	21	49	33	28	32	40	30
16/03/2013 09:00	58	0	0	29	27	2	0	0	0	0	0	0	0	21	44	31	25	31	37	29
16/03/2013 10:00	60	0	2	27	30	1	0	0	0	0	0	0	0	17	45	30	26	31	37	29
16/03/2013 11:00	78	0	1	30	40	7	0	0	0	0	0	0	0	16	45	32	28	32	38	29
16/03/2013 12:00	82	0	3	32	35	12	0	0	0	0	0	0	0	17	48	32	27	32	40	30
16/03/2013 13:00	64	0	1	26	28	8	1	0	0	0	0	0	0	19	57	33	27	32	40	30
16/03/2013 14:00	61	0	3	18	33	7	0	0	0	0	0	0	0	15	48	33	27	34	39	30
16/03/2013 15:00	69	0	1	25	30	13	0	0	0	0	0	0	0	19	48	33	28	32	41	31
16/03/2013 16:00	79	0	1	29	40	8	1	0	0	0	0	0	0	19	52	33	28	31	40	29
16/03/2013 17:00	86	0	4	55	23	4	0	0	0	0	0	0	0	17	49	28	22	28	34	27
16/03/2013 18:00	69	0	4	29	28	7	1	0	0	0	0	0	0	15	53	31	25	31	38	29
16/03/2013 19:00	48	0	2	22	19	5	0	0	0	0	0	0	0	19	49	31	25	31	39	29
16/03/2013 20:00	18	0	0	6	10	2	0	0	0	0	0	0	0	22	49	32	23	34	39	30
16/03/2013 21:00	28	0	0	20	8	0	0	0	0	0	0	0	0	21	38	27	22	26	35	27
16/03/2013 22:00	9	0	0	2	6	1	0	0	0	0	0	0	0	24	41	32	30	32	39	31
16/03/2013 23:00	5	0	0	2	1	2	0	0	0	0	0	0	0	26	47	34	26	32	47	33

[Sat, 16 March]	Σ	10	20	30	40	50	60	70	80	90	100	110	>110	V _{min}	V _{max}	V _{avg}	V ₁₅	V ₅₀	V ₈₅	V _{out}
00:00-06:00	48	0	5	19	22	2	0	0	0	0	0	0	0	13	43	29	23	31	37	29
06:00-09:00	168	1	2	77	72	16	0	0	0	0	0	0	0	10	49	31	25	31	39	29
15:00-19:00	303	0	10	138	121	32	2	0	0	0	0	0	0	15	53	31	25	31	38	29
06:00-22:00	969	1	24	425	424	92	3	0	0	0	0	0	0	10	57	31	26	31	38	29
00:00-24:00	1030	1	29	448	452	97	3	0	0	0	0	0	0	10	57	31	25	31	38	29



15 Account management on www.myTrafficData.com

15.1 Profile

Home > Account > Profile Welcome, John Doe | [Profile](#) | [Log out](#)

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Your Profile

Attribute Name	Value
Logo	—
Institution	John Doe Ltd.
Department	Traffic Engineering
Name	John Doe
email address	demo@john-doe.com
Street	Main Street 1
Postal code	12345
City	Model Town
Country	United Kingdom
Phone	+44-1234-5678-0
Website	—
Time zone	Europe/Berlin

[Change](#)

Here you will find your personal details and information on your organisation. This information is displayed in each generated report.

15.2 Configuration

Here you can change over between km/h and mp/h for the evaluation.

Furthermore, you can specify another aggregate under **user-defined analysis value**, which you can then select for evaluation. Example: 35 for v35.

Home > Account > Configuration Welcome, John Doe | [Profile](#) | [Log out](#)

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Your Configuration

Attribute Name	Value
Interval 1	midnight - 6 a.m.
Interval 2	6 a.m. - 9 a.m.
Interval 3	3 p.m. - 7 p.m.
Interval 4	6 a.m. - 10 p.m.
V-metric	km/h
Length metrics	meter
V custom	0
TXT Date Format	—
Online Mode Display	Classes

[Change](#)



15.3 Bins

[Home](#) > [Account](#) > [Bins](#)

Welcome, **John Doe** | [Profile](#) | [Log out](#)

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Bins

Name	Type	Intervals	Standard?	Options
Default	Speed (Dsd/Sdr)	10 : 1 - 10 km/h	✓	-
		20 : 11 - 20 km/h		
		30 : 21 - 30 km/h		
		40 : 31 - 40 km/h		
		50 : 41 - 50 km/h		
		60 : 51 - 60 km/h		
		70 : 61 - 70 km/h		
		80 : 71 - 80 km/h		
		90 : 81 - 90 km/h		
		100 : 91 - 100 km/h		
		110 : 101 - 110 km/h		
Default	Length (Sdr)	CAR : 0.5 - 7.0 meter	✓	-
		TRUCK: 7.1 - 13.0 meter		
		LONG : 13.1 - 25.5 meter		

+ Speed

+ Length

Standard class sets are available. You also have the possibility of creating new class sets or of editing or deleting existing ones.

In order to create a new class set, please click on the respective button **+Speed**.



In this form you can create a new division for the table of the **speed class** and the **speed class histogram**.

Example: You want all vehicles between 30 and 50 km/h to be considered. For this, enter at **Start (>=)** the figure 30 and at **End (<=)** the figure 50. When you now select you created class set in the WebReport, only those vehicles between 30 and 50 km/h in the **speed class table** and in the **speed class histogram** are displayed. (Standard would be 0-9 km/h, 10-19km/h 20-29km/h etc.)

As soon as you have entered the values for the first interval, you will be given the opportunity to enter another interval.

One class set can comprise a **maximum of 12 intervals**.

15.4 Change password

Here you can change your password for your www.myTrafficData.com access.



16 Flashupgrade

16.1 Flashupgrade via Smartphone

If a softwareupgrade is available, your DSD Gen.3 can be upgraded by smartphone.

After your order of the softwareupgrade an „Upgrade File“ will be provided for you on www.myTrafficData.com. Therefore login on the Internet with your access data to www.myTrafficData.com and click on the item **Devices** in the menu bar on the left-hand side of the screen. A sub-menu opens up. Click on DSD.

The screenshot shows the web interface with the breadcrumb 'Home > Instruments > DSD'. The left sidebar has a menu with 'Instruments' expanded, showing options like All, DSD, SDR, ETube, EScan, DataCollector, and Smartphone. The main area is titled 'DSD' and contains a table of devices.

Icon	Configuration number	Name	GPRS?
📶	0909F0000B	Demo Dsd	no
📶	1304F7297B00CH039	1304F7297BCH039	no
📶	1212F7155D000000	P+R Sindorf	yes
📶	1203F6325BCH039	—	no
📶	1108F5830BCP007	Coubard	no
📶	1111F6093BCH003	Huetten	no
📶	0909F4116K110	850	no
📶	0711F1206K123	—	no
📶	0909E3333AA047	—	yes
📶	1109F4457BACL002	—	no
📶	1101F5357BAF110	—	no

Now choose the requested device.

The screenshot shows the 'Main Street (DSD)' configuration page. The breadcrumb is 'Home > Instruments > Main Street'. The left sidebar shows 'Instruments' expanded with 'DSD' selected. The main area has tabs for 'Activation', 'Info', 'Battery', and 'Setup'. The 'Activation' tab is active, showing a table with 'Date of activation' as 'June 2013'. Below the table, it says 'Latest Upgrade: [DSD 7.40](#)'.

Attribute Name	Value
Date of activation	June 2013

Latest Upgrade: [DSD 7.40](#)

Now click on the latest **Upgrade**.

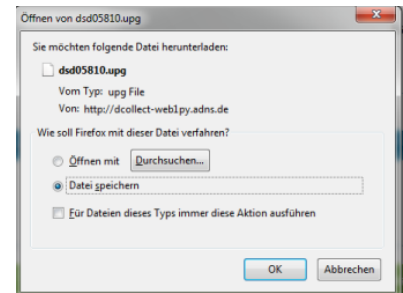


If you are using a smartphone with a SIM card, turn off mobile data and follow the steps described below.



user manual

A new window will open. Here, you have the option to download the current upgrade file and save it on your smartphone



Save the flash upgrade file on your smartphone in the following path:



You can now use your smartphone to transfer the upgrade to your DSD.



Attention! Please note that the upgrade file is device-specific, meaning it can only be transferred via smartphone to the corresponding DSD.

Now connect your DSD to the power supply.
Open the app on your smartphone.
Then tap on “Bluetooth® Scan.”

All DSDs in your vicinity will now be scanned.

Tap on the DSD to which you want to transfer the upgrade file.
Now tap on “Get Data” to transfer the traffic data stored on the DSD to your smartphone.
The progress of the data download will be displayed as a progress bar.

All existing traffic data has now been loaded into your smartphone’s memory. The device memory has been cleared and the time has been updated.
Confirm with “OK.”

Now tap on “Setup.”

The created flash upgrade file will now be displayed.
Tap on the upgrade file.



user manual

The progress will be shown via a progress bar. A confirmation message will inform you once the upgrade has been completed successfully.

Tap on "OK."

You can now close the app.



**During the upgrade process, the device must not be disconnected from the power supply!
The maximum distance between the smartphone and the DSD, with a clear line of sight, is 50 m.**



17 Technical data of the DSD

Technical data	Value
Sensor:	Microwave, 24.125GHz, output power 5mW, France: Limited to at least. 24.075GHz / typ. 24.125GHz / max. 24.175GHz United Kingdom: Limited to at least. 24.075GHz / typ. 24.125GHz / max. 24.250GHz
Speed measuring range:	3-199km/h or 2-130mph
Resolution:	1km/h
Range:	min 80m; typ. 100m; max 120m @ Standard Testing Conditions for passenger cars
Weight DSD	7.5kg
Ambient temperature:	-20°C to + 50°C
Housing:	ASA
Case dimensions (WxHxD):	527 x 806 x 82 mm
Units:	Metrical or Imperial
Memory:	512kB (RAM buffered)
Data format standard	binary
Data format optional:	v entry / v exit, date, time (single car)
Setting:	By means of myTrafficdata (Setup)
Data rate:	up to 115200Baud
Bluetooth® radio range:	DSD – Smartphone: Head-on up to 80m (visual contact)



18 System requirements for www.myTrafficData.com

In order to ensure pleasant working with www.myTrafficData.com, you should use one of the following browsers:

- **Google Chrome** (at least version 78.0)
- **Firefox** (at least version 70.0)
- **Internet Explorer** (at least version 10.0)

The following functions should be activated in your browser settings:

- **JavaScript** (used for the interactive interface)
- **Cookies** (used for login sessions)

Furthermore, the use of one of the following operating systems is recommended:

- Microsoft Windows (at least XP)
- Ubuntu (at least version 10.0)
- Mac OSX



19 Frequently Asked Questions (FAQ)

19.1 General FAQs

1. **Question:** I have registered with www.myTrafficData.com, but have not yet received a password.

Answer: Our employees must first enable you on www.myTrafficData.com. The password will then automatically be sent to you by mail.

2. **Question:** www.myTrafficData.com is not being correctly displayed.

Answer: You have selected a secure connection to www.myTrafficData.com. You will recognise this by the s in **https://www.....** . In order to correctly display the website you must allow the display of mixed contents via your browser. If you do not need a secure connection, then please delete the "s" from https at the beginning of the Internet address.



19.2 FAQ Smartphone

1. **Question:** My DSD is not displayed under Devices.

Answer: Make sure that you have activated your DSD properly on www.myTrafficData.com. If you are using a SIM card, please put your smartphone into "airplane mode" during the Get Data process to prevent data loss due to interruptions in the data download, for example, by phone calls.

2. **Question:** Why am I being asked for a Bluetooth® code when I try to connect to the DSD?

Answer: Please note that the Bluetooth® connection to the DSD is only established via the DataCollect app. Pairing via Android's built-in Bluetooth settings is not possible.

3. **Question:** I downloaded my data to my smartphone, but my PC isn't displaying the file.

Answer: Make sure your smartphone is connected as a media device.

4. **Question:** I want to save a file directly to my smartphone. I get the error message: "You can't save here. Choose a different location!"

Answer: Save the desired file to your PC and then copy it to your smartphone.

5. **Question:** I downloaded the measurement data from my DSD using my smartphone. However, it's not showing up on my PC.

Answer: Disconnect your smartphone from your PC and wait approximately 2 seconds before reconnecting.

6. **Question:** The time on my DSD isn't being set correctly!

Answer: If you are using your smartphone without a SIM card, you must regularly check the time manually and adjust it if necessary.

7. **Question:** During activation, the message "Activation file expired" appears.

Answer: The time on the DSD (Digital Storage Device) is incorrect. Reset the time on your smartphone.



20 Disposal

Please dispose of this product at the end of its service life in accordance with the valid statutory requirements and make use of the return system for used batteries.



21 Protective rights

The following trade name and patent rights of DataCollect Traffic Systems GmbH are available for this product range:

Logo DataCollect



DataCollect

datacollect

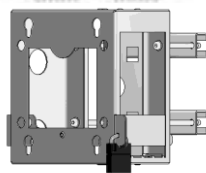
Safety 1®



Safety 2®



Mast holder



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22 EC Declaration of Conformity

The Declaration of Conformity is found on the last page of the manual.

For legal reasons we would like to point out that in the event of any modifications made to the product by the user will not only void all warranty claims, but also that, among other things, the properties assured in the Declaration of Conformity are no longer fulfilled.

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EG-Konformitätserklärung Declaration of Conformity EC



Hersteller:
Manufacturer: DataCollect Traffic Systems GmbH
Heinrich-Hertz-Straße 1
50170 Kerpen

Produkt:
Product: Geschwindigkeitsanzeige Display
Digit Speed Display

Typ:
Type: DSD Gen.5 (Radar/Bluetooth)

Artikelnummer:
Item number: DSD Gen.5 ohne TA (7100-0100 / 7100-0101 / 7100-0104 / 7100-0105)
DSD Gen.5 mit TA (7100-0102 / 7100-0103 / 7100-0106 / 7100-0107)

mit den Vorschriften folgender Europäischer Richtlinien übereinstimmt:

complies with the requirements of the European Directives:

RED 2014/53/EU

Hiermit wird bestätigt, dass das oben bezeichnete Produkt den Schutzanforderungen der aufgeführten Richtlinien entspricht.

It is herewith confirmed that the above mentioned product complies with the requirements of the mentioned EU Directives.

Folgende Normen wurden herangezogen:

The following standards were applied:

EN 61000-6-3:2007 + A1:2011
Emission EN 301 489-1 V2.1.1
Emission EN 61000-6-2:2005
EN 301 489-1 V2.1.1
EN 62479:2010
EN 62368-1:2016

Diese Erklärung wird verantwortlich abgegeben durch:

This declaration is submitted by:

Kerpen, Datum 01.10.2019

Unterschrift

 **datacollect**
Traffic Systems GmbH
Heinrich-Hertz-Str. 1
50170 Kerpen-Sindorf
Tel.: +49 (0) 2273-59560
Fax: +49 (0) 2273-595623

General Manager Mario Lippoldt



EG-Konformitätserklärung *Declaration of Conformity EC*



Anhang *Annex*

Allgemeine nationale Hinweise (Einschränkungen) *General national Information (Restrictions)*

Bewegungsmelder Movement Detection	24,05 – 24,25GHz 24.05 – 24.25GHz
Land Country	Einschränkung Restriction
Frankreich France	Begrenzt auf min. 24,075GHz / typ. 24,125GHz / max. 24,175GHz Limited to min. 24.075GHz / typ. 24.125GHz / max. 24.175GHz
Vereinigtes Königreich United Kingdom	Begrenzt auf min. 24,150GHz / typ. 24,200GHz / max. 24,250GHz Limited to min. 24.150GHz / typ. 24.200GHz / max. 24.250GHz