

Squarell
technology



Telematics Development Kit
SOLID-J



Your (data) journey starts here

Looking for a toolbox that can solve all the vehicle data challenges in a fleet? Squarell provides you with the right tools for facing those challenges, packed in the SOLID-J - Telematics Development Kit (TDK).

With the TDK you are able to install the SOLID-J in vehicles equipped with CANbus. The SOLID-J is Squarell's popular multi source vehicle data interface that lets you process powerful vehicle data of any kind.

Knowing more about your fleet gives you a tremendous amount of advantages in different ways including vehicle safety, fuel saving, fleet costs reduction and enhanced driver awareness. The TDK is the starter kit that includes all the high tech you need to create your own telematics vehicle data solution.



What is the SOLID-J?

SOLID-J is a multi source vehicle data interface. It is part of the range of Squarell solutions for obtaining advanced vehicle data. With configurable functionality and extended connectivity SOLID-J can be used in automotive applications like telematics, real time monitoring, measurement and interfacing.

The Squarell SOLID-J offers more than just streaming data. It processes the latter to provide it to you in order to accomplish advanced fleet management.



How does it connect?

Total solution

The SOLID-J Telematics Development Kit (TDK) provides the means to create powerful vehicle data solutions based on CAN bus, J1708 and K-line.

The SOLID-J TDK is a good starting point to help you create a total fleet management solution.

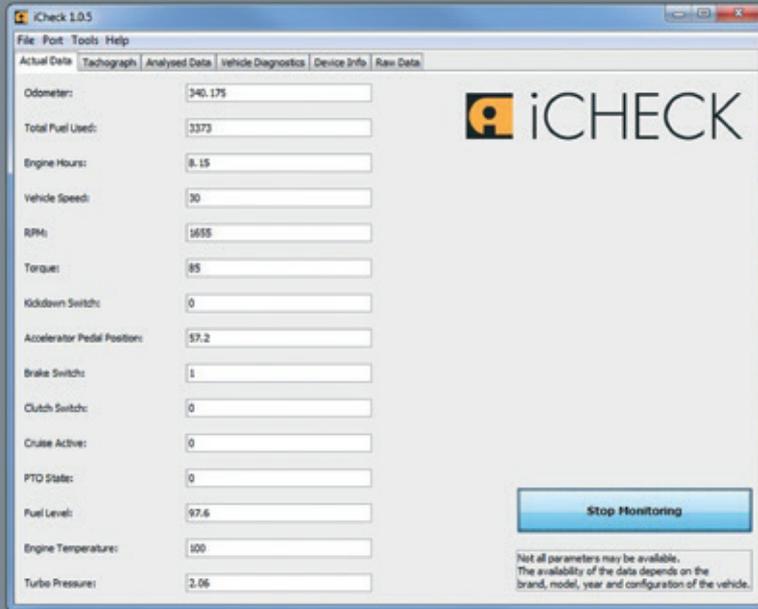
With this kit you are able to:

- Make an on desk simulation for a driving truck
- Make CANbus scans from vehicles
- Load new software into the Squarell SOLID-J device
- Install the SOLID-J in a truck connected to your telematics solution
- Understand the Squarell output
- Upgrade your telematics solution to a higher level

After using this kit set up, both SOLID-J devices can be reused in any supported vehicle.



Software

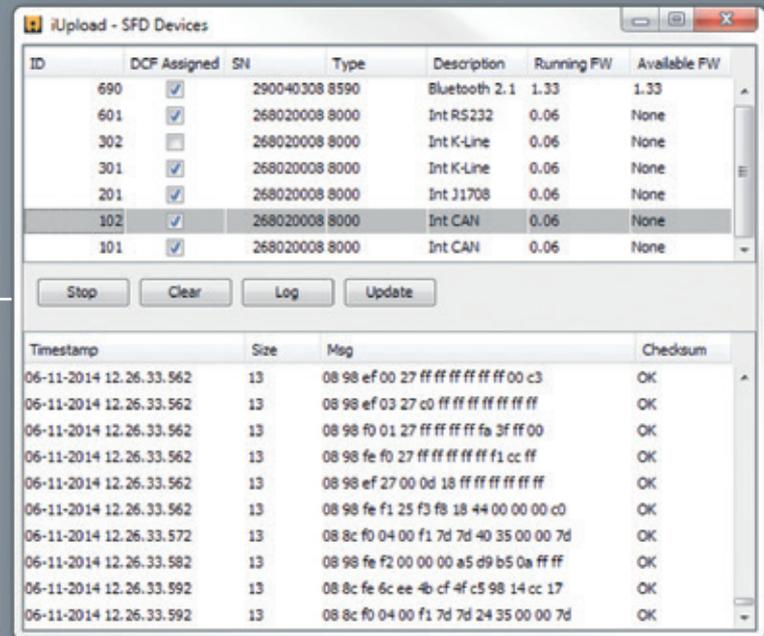


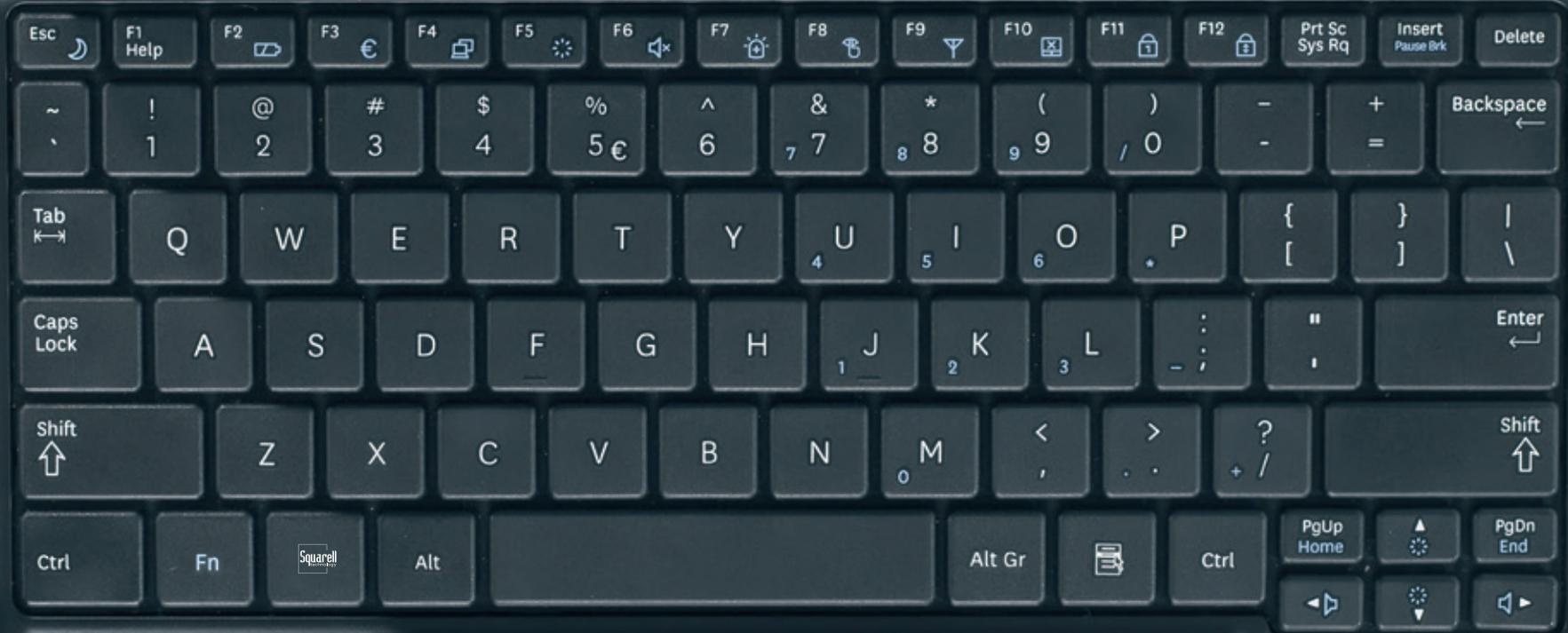
iCheck

Squarell has created a tool to easily perform a quick check of the installation. The program "iCheck" can be installed on a laptop or PC and shows you the RS232 output of the device. When you see the most important parameters coming through, you are sure that you have installed the Squarell device with the correct CANbus, J1708 and/or K-Line.

iUpload

With iUpload, it is easy to update a device with the latest firmware and choose the correct Device Configuration File (DCF) for specific vehicle types. iUpload is a program that can be connected to our server. As such, all our customers can load the latest Firmware and new DCF's into their devices. iUpload can also be used to perform a single vehicle scan for verification purposes.





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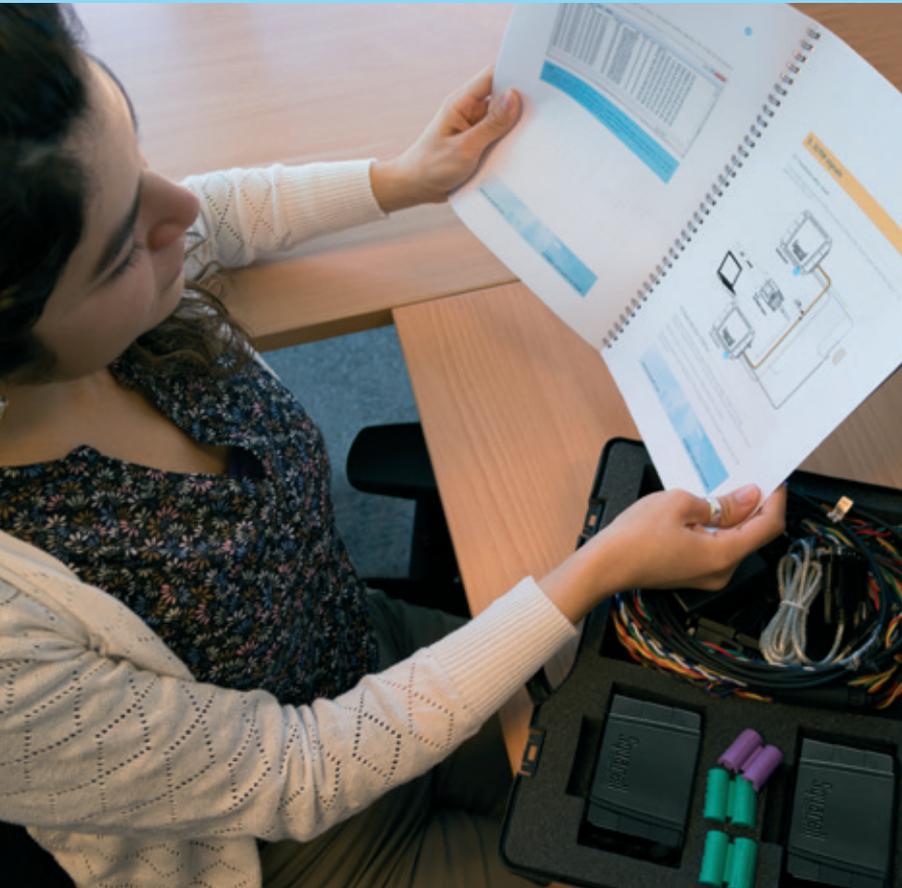
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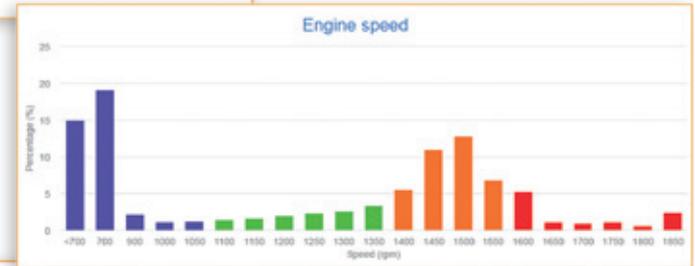
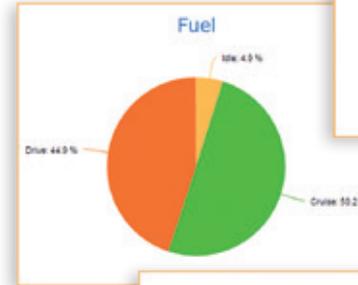
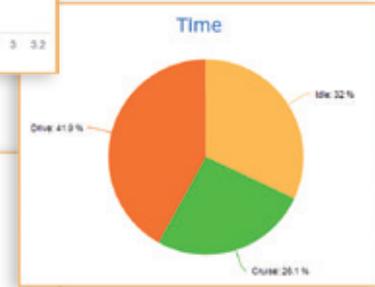
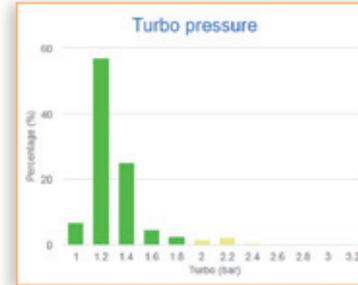
Kit contents

- 2 SOLID-J devices
- J1708 DatacliQ cable
- USB cable with a RS232 connector
- Combined cable with power supply
- 2 CANcliQ covers
- DatacliQ cover
- Software: iUpload, iCheck, Docklight, Expertview
- User manuals



Data visualisation

Create your own reports based on the standardised Squarell vehicle data.



The charts on this page are examples created with Squarell software.

Our other solutions

DAP



The Squarell Driver Awareness Panel (DAP) is an intelligent in-vehicle display providing drivers the stimulation they need to drive smarter. It works on every vehicle with a Squarell interface and gives visual and audible notifications to the driver on several performance indicators without being intrusive. DAP actively monitors the vehicle CANbus and analyses the CANbus data. When required, the DAP signals good or bad driving behaviour during the trip. This method makes the driver aware of his/her driving style and let him/her act accordingly.

Our Driver Awareness Panel hardware solution is now also available as software version to integrate in navigation systems and board computers.

Bluetooth



The Squarell Bluetooth dongle is a very easy to install Special Function Device (SFD). The Bluetooth 2.1 dongle can easily overtake the existing RS232 connection as the communication protocol stays the same. The vehicle data you used to receive via RS232 can now easily be sent to your smart phone or tablet. With Bluetooth in combination with our software DAP it's easy to create an app for driving style optimisation. Our Bluetooth device can be used in various automotive applications such as telematics, fleet management, real time monitoring, measurement and control/interfacing.

Event Data Recorder

The Event Data Recorder (EDR) logs vehicle data seconds before and after a possible event. An event does not necessarily have to be an accident. It could also be harsh braking or harsh deceleration.



Safety parameters

Many fleet owners look for details on the use of their vehicles. Safety is an important topic. Traffic is more hectic, time pressure is high, maintenance and insurance costs need to be controlled. Besides the Fleet Management System (FMS) data, Squarell offers a wide range of safety parameters.



The independent vehicle data and CANbus specialist

Squarell offers reliable vehicle data solutions and services to take your telematics and fleet management system to a completely new level.

We are an independent worldwide company headquartered in the Netherlands with international presence in the UK, USA and Latin America. Our team consists of well qualified account managers and technical support engineers.

We have a vast experience in extracting and processing data into standardised information. With this data, you can compare and analyse your entire fleet, brand and vehicle type independent. Our products are resistant to harsh environments, technically reliable and robust. We have developed a versatile knowledge base of data gathered throughout the last decades. With this knowhow, we can compare and advise you in bespoke solutions. Using our data with a significant number of parameters enables you to act fast and efficiently by improving vehicle performance and driver's behaviour, reduce fuel consumption and save on wear and tear.

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› **because you want to know**