



We believe in freedom  
who



Meet Caravan Control - your traveling buddy

[www.simarine.net](http://www.simarine.net)







We bel





# Believe in endless joy and summer sun sets

That is why we developed Caravan Control - one of the most advanced control panels for camper vans and caravans.

Yes. Our statement is **bold**. Turn the page and see why we dare to say it.

Jaro Žuraj  
Co-founder

A handwritten signature in black ink, appearing to read "Jaro Žuraj", written over the printed name and title.



## CARAVAN CONTROL

No more guessing how much water is left in the tank. Thanks to multiple calibration points, Caravan Control can measure fluids to the liter.



**Advanced battery monitoring for lead type and lithium batteries** - Monitoring with integrated shunt



**High precision tank monitoring**  
10 calibration points for asymmetric tank shapes





# High precision monitoring for van lovers

Do you know what exactly is burning the most of your battery? Refrigerator? Lights? Radio? Maybe your brand new coffee maker? Caravan Control shines the light on the one with cravings.

Rather than guessing, use real data. Caravan Control allows you to monitor consumer and generator devices using dedicated micro-shunts.

No more guessing how much water is left in the tank. Thanks to multiple calibration points, Caravan Control can measure fluids to the liter.



## **Temperature monitoring**

Multiple sensors for inside, outside, fridge etc...



## **Consumer and generator individual monitoring**

Monitoring of consumer and generator devices using micro shunts



# We believe in simplicity.



Easy and seamless integration without fastener. Manage settings via intuitive app. Save them for a specific vehicle type and apply them to the entire vehicle line. It's a real time saver!

**SAVE and RESTORE settings within seconds**  
(note - settings can also be locked to factory settings).

# Control panel that fits into your pocket

Download our app and monitor battery, tank and temperature or manage lightning also outside your van. Romantic mood is now a matter of seconds.

Graphical interface you will easily understand and manage. Simple and clear system, similar to your smartphone.

Are there any metrics you would like to especially control? Set the custom alarms and notifications.



## **integrated WiFi connectivity**



## **Dedicated android and iphone apps for status review and settings**

- easily check your battery or water level / live status view
- turn off the lights while seating outside / remote switching over WiFi



## **Settings save and restore with autosave for end customer**

- Save settings for a specific type of vehicle and easily clone it to the whole serie
- every customer's change of settings can be easily restored to previous version (remark - settings can also be locked to factory settings)



## **Easy to use graphical interface**



## **Custom alarms and notifications**



# We believe in beauty.

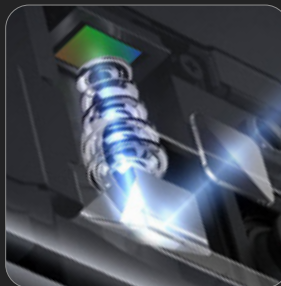
**From inside and outside.**

Caravan Control panel holds a design you will no longer want to hide in your van. If it's heart is advanced high quality electronics than anodised aluminium casing and tactile buttons represent it's gentle skin, your van lovers will want to touch it again and again.

**Feelings of cosiness, comfort and homeliness are guaranteed!**



**Automatic backlit tactile buttons.**



**Automatic dimming of the screen using the integrated light sensor.**



**Optically-bonded**  
(deep blacks, high contrast) wide viewing angle IPS 3.5 inch screen.



SIMARINE

5mm thickness

1013.1<sup>mb</sup>

12:35  
25/06/2016

High quality anodised aluminum casing



# CLOUD BASED REMOTE MANAGMENT

available soon

LOCATION  
TRACKING



ANALYTICS

REMOTE  
SERVICE



FLEET  
MONITORING

REMOTE  
MANAGEMENT



OVER-THE-AIR  
UPDATES



SIMARINE



DIGITAL ANODISED ALUMINUM LIGHT SWITCHES WITH INTEGRATED DIMMERS





# CONTROL PANEL FOR CARAVANS

Battery, Tank & Temperature Monitoring

Butane & Propane Level Monitoring

Service Data Display

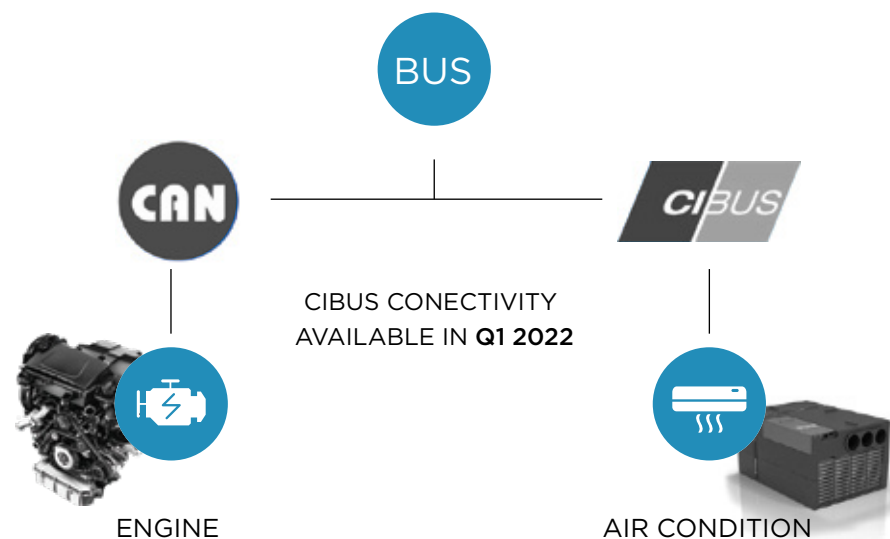
Remote Management via Smartphone Apps

Cloud Platform

Dislocated Power Electric Section

Wi-Fi

Settings Save & Restore



## Operating

Power source voltage range	6 - 35 V
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Temperature range	-20 - +70 °C
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## Power consumption at 12 V

Operating, WiFi On, 100% illumination	90 mA
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Operating, WiFi Off, 70% illumination	35 mA
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Operating, WiFi Off, 0% illuminationPower	18 mA
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Off, logger still active	5 mA
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## Resolution

Current (A)	±0,01 A
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Voltage (V)	±0,01 A
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Amp hours (Ah)	±0,1 A
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SOC - Stat of Charge ( 0 - 100%)	±0,01 A
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Temperature	±0,1 °C / °F
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## Voltage inputs

Range	0 - 75 V
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## WIF

Radio Frequency Band	2,4 GHz
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## Dimensions (without connector)

Standalon	89 x 84 x 10 mm
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Panel	108,5 x 94 x 10 mm
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## Connectivity

Batteries	Up to 6
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Shunts	24
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Temperature sensors	10
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Tank level sensors	14
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Inclinometer sensors	2
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Smartphone application	1
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Logger Capacity	up to 3 month
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# POWER DISTRIBUTION UNIT SPDU52

Simarine SPDU-52 power distribution unit is a very versatile module. It's purpose is to power other modules and shunts, which are used by the Caravan Panel.

- **12V** monitoring system
- **4x** resistive tank level senders or temperature sensor inputs
- **2x** 4-stage tank level inputs
- **2x** voltage inputs for battery voltage or ultrasonic tank level senders
- **50A** shunt for 12V service battery, current monitoring
- **15A** shunt for solar with current monitoring  
(MPPT solar regulator not included)
- **40A** Power Charger input, current monitoring
- **10+2** fused outputs, maximum 50A total current;
- **6x** relay outputs 5-20A, controllable from main control panel

Operating	
Voltage range	
Main battery	8-22VDC
Starter battery	8-22VDC
Temperature range	-20 - +70 °C
Power consumption at 12 V	
Operating	15mA
Power Off	0,25mA
Current measuring	
Channel 1 (solar)	0-16A
Channel 2 (charger)	0-40A
Channel 3 (main battery)	0-50A
Channel 4 (starter battery)	0-50A
Accuracy	±2%
Resolution	±0.1 A
Sample rate	100ms
Voltage measuring on any channel	
Range	0-35VDC
Accuracy	±0,5%
Resolution	10mV
Resistance measuring on any channel	
Range	0-65kohm
Accuracy	±3%
Resolution	1ohm
Temperature measuring (on resistance inputs)	
Temperature sensor	NTC 5K
Range	-15 - +80 °C
Resolution	3%
Maximum continuous current for output channels	
K1	20A
K2	20A
K3	15A
K4	15A
K5	10A
K6	10A
All channels simultaneously	50A
Contact continuous current rating	
Outputs F1-F12	20A
Charger	40A
Solar	16A
Dimensions (without connector)	Dimensions (without connector)
SPDU-52	200 x 160 x 42 mm (7,87 x 6,3 x 1,65in)
Caravan Panel	157 x 82 x 25 mm (6.18 x 3.23 x 0.22in)
System capabilities (with additional modules)	
Batteries	6
Shunts	24
Temperature sensors	10
Tank level sensors	14
Inclinometer sensors	2
Smartphone application	1
Logger capacity	up to 3 years



# SDI01 INCLINOMETER

SDI01 is a high-resolution digital inclinometer for pitch and roll with manual calibration. It is fully compatible with existing SIMARINE monitoring systems. The module was designed so that configuration and calibration of the inclinometer is quick and user friendly.



The SDI01 digital inclinometer has the following connections:

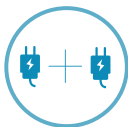
- 1 CURRENT INPUT UP TO 300A
- 2 VOLTAGE INPUTS
- 1 TEMPERATURE INPUT

Operating voltage	6 - 35 V
Resolution	0,1°
Output format	SiCOM
Range (pitch&roll)	+/-89°
Power consumption at 12 V	1mA



# QUADRO SHUNT SCQ25 & SCQ50

SIMARINE's SCQ25 and SCQ50 digital shunts are unique modules on the market, designed to monitor individual currents of consumer and generator devices. Suitable for wiring both in low (-) or high (+) side, making it easy to install.



The channels can be combined to reach higher amperage if necessary.



Up to four SCQ25/SCQ25T modules can be connected to a PICO system.

Operating	SCQ25	SCQ50
Power source voltage range	6 - 35 V	6 - 35 V
Temperature range	-20 - +70 °C	-20 - +70 °C
Power consumption at 12 V		
Operating	3,5 mA	3,5 mA
Current measuring channels	4	4
Relay (monostable)		
Maximum Operating Current	1 A	1 A
Maximum Common Input Voltage	6 - 30V	6 - 30V
Voltage inputs		
Per channel	0,01 - 25 A	0,01 - 50 A
Resolution	0,01 A	0,01 A
Accuracy	± 0,6 %	± 0,6 %
Sampling rate	100 ms	100 ms

Maximal current	SCQ25	SCQ50
Continuous	25 A	50 A
Peak current (<1 min)	35 A	60 A
Peak current (<5 sec)	50 A	60 A
Voltage drop at 25 A	35 mV	35 mV
Maximum voltage on connections	35 V	35 V
Connectivity		
Up to	Up to	Up to
Current sensors	4	4
Relay Common Input (COM)	1	1
Relay Output Normally Open (NO)	1	1
Relay Output Normally Closed (NC)	1	1
SiCOM RJ9 Sockets	2	2
Installation and Dimension		
Dimensions (length x width x depth)	182 x 80 x 32 mm	182 x 80 x 37 mm
Weight	230 g	230 g





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