



VirCru

**Victron (VE.Direct) Interface**

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## 1. VIRCRU VICTRON SENSOR SUMMARY

Many vessels make use of Victron hardware from battery monitoring to solar charging and inverters. Much of the Victron product lineup can now be seamlessly connected to your VirCru system so you can now monitor it remotely. When present, the local Bluetooth connection on your Victron Device will still be available for configuration purposes.

The VirCru Victron Sensor connects to your compatible Victron product using the VE.Direct interface and will display readings in the VirCru App. Please be aware that for the VirCru Victron sensor to work, you must already have a compatible Victron device. For a device to be compatible it must have a VE.Direct port present to connect the VirCru sensor to. Compatibility can be checked on the Victron website here: <https://www.victronenergy.com/upload/documents/VE.Direct-Protocol-3.33.pdf>

Included in your VirCru Victron Sensor Pack:

- VirCru Victron Sensor Tag and Cable
- Dual-Lock Adhesive Pads (one locked in place on the Bilge Pump Sensor, the other supplied adhered to the back of the Sensor)
- Alcohol Wipes
- This guide.

Before installing, we recommend registering the Sensor on the VirCru App by scanning the QR code. This functionality can be found in the “Settings” tab.

*If any of these items are missing from your box, please contact VirCru customer service at:*

( +44 (0)1386 800360 ) or

[customer.services@vircru.com](mailto:customer.services@vircru.com)

## 2. INSTALLATION GUIDE

### **Safety Precautions**

Please ensure to:

- Follow all installation instructions
- Only carry out tasks in which you are competent
- Make full consideration of the environmental conditions and hazards during installation
- Avoid drilling into any Hub or Tag enclosures, due to the risk of piercing/exploding batteries
- Take care to ensure correct polarity on all wired connections.

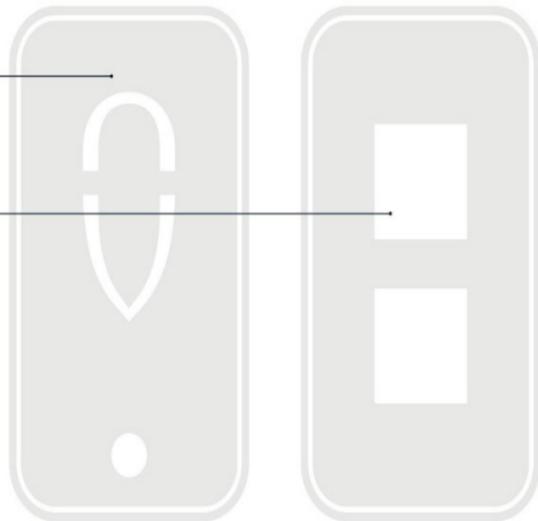
## Installing

VirCru Tags are mounted using Dual-Lock self-adhesive pads. One half is supplied adhered to the Tag back with the other half 'locked' in place. To mount the Tag:

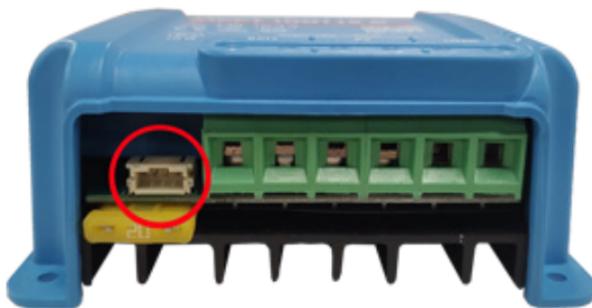
- Using one of the alcohol wipes, clean the position the Tag is going to be mounted in (select a suitable area with a firm substrate)
- Ensure that the two halves of the Dual Lock are aligned, remove the adhesive protective cover, and press the Tag into position
- The Tag can be removed by gently pulling the Dual Lock pads apart (one half remains on the Tag, the other on the mounting surface).

VirCru Tag

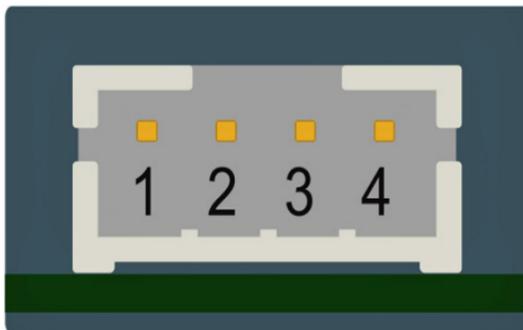
Adhesive  
pads



The VirCru Victron Sensor has a 4-pin connector for the VE.Direct interface. The Sensor gets both power and data from this connector. Find the corresponding socket on your compatible Victron device and connect the two. Once fitted, the VirCru Victron Sensor can be connected wirelessly to the VirCru Hub. The port on the Victron Device will be similar to that shown on the page opposite.



Victron VE.Direct connector



Victron Sensor 4-pin Connector

## Set-Up

If not completed prior to installation, register the Sensor on the VirCru App by scanning the QR code in the “Settings” Tab under “Hub and device settings”.

The Sensor has nine available inputs and you will need to enable/disable the relevant inputs for your Victron device. (A Victron current shunt cannot meaningfully monitor solar panel power for example).

To enable or disable an input, navigate to the input under the “Hub and device settings” tab and toggle the switch “Use this sensor”. Disabling unused inputs will prevent them from appearing on the App Home Screen.

The Victron Sensor can measure the following input channels from the VE.Direct interface:

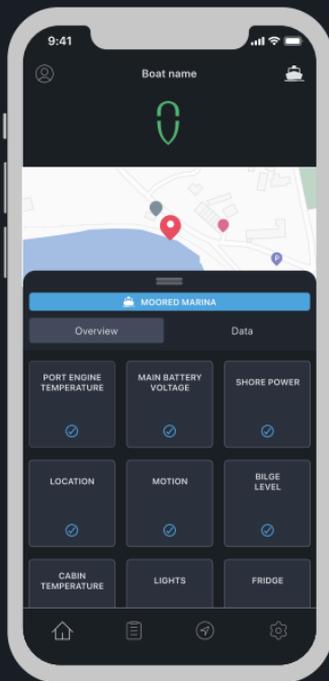
- Main or Channel 1 Battery Voltage
- Auxiliary (Starter) Voltage
- Panel Power
- Main or Channel 1 Battery Current
- Load Current
- Battery Temperature
- State-of-Charge
- AC Current
- AC Power

Of these channels, the following inputs have configurable alerts in the VirCru app:

- Main or Channel 1 Battery Voltage
- Main or Channel 1 Battery Current
- Battery Temperature
- State-of-Charge

For a full list of protocols please consult: <https://www.victronenergy.com/upload/documents/VE.Direct-Protocol-3.33.pdf>

### 3. The VirCru App



## How to Install your VirCru App

The VirCru App is supported by software versions iOS 13 and above on iPhone, and versions 5.0 (Lollipop) and above on Android. Ensure your mobile has these software versions installed before downloading the VirCru App.

### To download the VirCru App (iPhone):

- Unlock your phone and navigate to the 'App Store'
- Type "VirCru" in the search bar
- Click "Get" by the VirCru logo icon
- Once authorised, the VirCru App will Appear on your iPhone's home page.

### To download the VirCru App (Android):

- Unlock your phone and navigate to the 'Google Play Store'
- Type "VirCru" in the search bar
- Click "Install" by the VirCru logo icon
- Once authorised, the VirCru App will Appear on your Android device's home page.

The VirCru App features a simple and intuitive interface to display and personally configure the data provided by the VirCru Hub, Sensors and Products installed on your boat.

The VirCru App main dashboard gives you an overview of all data, which can be explored in more detail if required. It also includes an inventory system for all the other products and services related to your boat, from insurance details, documents and renewal dates through to life jacket servicing.

For more information on configuring and using the VirCru App, please refer to our comprehensive App User Guide available at [www.vircru.com](http://www.vircru.com). This document provides detailed analysis of the setup, features and functionality of our App in one place, and is constantly evolving as we add new features and technology to our interface.

## 4. DON'T FORGET

- Check your Hub and Sensors every few months to ensure they are working properly
- It is always best to mount your equipment on flat and smooth surfaces. Before fixing adhesive pads, ensure you clean your surfaces using the alcohol wipes provided
- If you require any assistance with installation, contact a professional marine electrician or a member of the VirCru team.



VirCru is your virtual crew – always onboard and always connected to you.

## 5. We're Here to Help

Phone or email our UK-based team for any technical support, product information or sales advice you need using the contact details below:

[customer.services@vircru.com](mailto:customer.services@vircru.com)

We aim to respond to all email enquiries within 24 hours (Mon-Fri)

*+44 (0)1386 800360*

Our phone lines are open during working hours for enquiries, and we will aim to respond to your call within 24 hours (Monday-Friday).

### Other VirCru Products

VirCru offers a comprehensive range of products to ensure you can be in touch with your boat from wherever you are. To view our full range of Hubs, Tags, Sensors, Alarms and more, visit <https://www.vircru.com/>.



If you need any help with your VirCru installation or  
App set-up please email: [customer.services@vircru.com](mailto:customer.services@vircru.com)