



VirCru Hub

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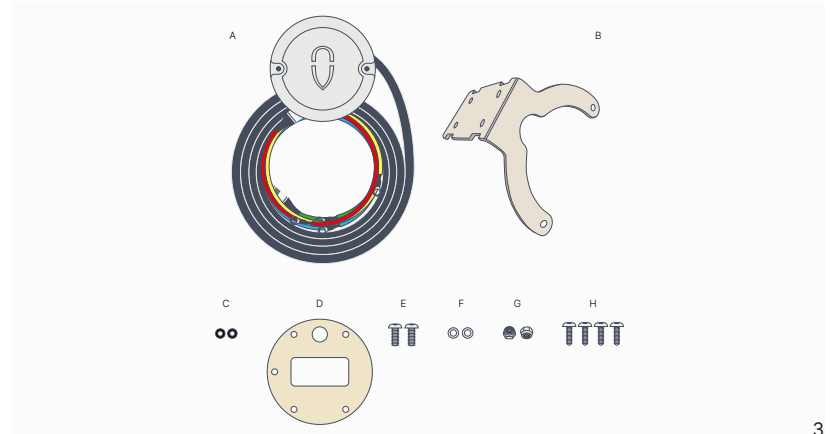
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1. Inside the Box

Thank you for purchasing your VirCru Hub – the best way to monitor your boat remotely!

We hope you enjoy using your new monitoring and control system. As tech experts and passionate boaters, we have designed VirCru to help keep your boat safe and secure at all times. It's like having your own virtual crew, always onboard and always connected.

Inside the box



Inside the box you will find all you need to get your VirCru system up and running:

- VirCru Hub x 1 (A)
- VirCru Hub Fixing Kit comprising:
- Mounting Bracket for VirCru Hub x 1 (B)
- Hub Mounting Screw Sealing x 2 (M4 × 9 × 1.5mm Neoprene Rubber Washers) (C)
- Roof Gasket for VirCru Hub x 1 (D)
- Hub to Bracket Mounting Screw x 2 (Screw, Machine, Socket Head, Button, M4 × 16mm) (E)

- Hub to Bracket Mounting Washer x 2 (Washer, M4, Form A) (F)
- Hub to Bracket Mounting x 2 (Nut, M4, Nylock, Thin) (G)
- Hub/Hub Bracket Mounting x 4 (Screw, Self Tapping, Pozi Drive, Pan Head, No. 8 by 3/4)* (H)
- Alcohol wipes
- This guide.

*If the Hub is surface mounted, only two are required. If the Mounting Bracket is used, four are required.

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

01386 800 360 or

customer.services@vircru.com

2. Key Features and Benefits

VirCru Hub Summary

The VirCru Hub is at the heart of the VirCru Smart Boat system, taking information from VirCru Sensors wirelessly and sending it back to the VirCru servers. It contains a built-in GPS receiver to track your boat's location.

The VirCru Hub uses the Global System for Mobile Communications (GSM) standard and connects to the VirCru App through either 2G or 4G network coverage for optimal connectivity. It is fitted with a roaming SIM so it can use networks in the UK and Europe, automatically selecting the best network depending on your boat's location.

The VirCru Hub wirelessly connects to the other VirCru and partner products on your boat using the VirCru Wireless Link and is a simple 'plug and play' system. The Hub is fitted with a high sensitivity GPS receiver to provide the best tracking performance possible.

Up to 100 devices can be wirelessly connected, and a back-up battery continues to power the VirCru Hub if your onboard battery power fails. Wireless interfaces to NMEA2000, Victron and other boat systems will also be available soon.

The VirCru Hub features the following functionality:

- GPS positioning
- GPS GeoFencing
- Battery voltage monitoring (Main)
- Battery voltage monitoring (Secondary)
- Bilge pump monitoring
- Boat angle monitoring and more!

GPS System and GeoFence

Through the GPS System, the VirCru Hub gives you the reassurance of knowing exactly where your boat is. As well as knowing where your boat is at all times, many owners also want to know if their boat moves. VirCru allows you to define an allowable area of movement so if your boat moves outside of this area (termed a 'GeoFence'), you receive an alert.

VirCru is not a 'one-size fits all' system and has you covered no matter your situation. We know your boat may sometimes be at the marina, other times at anchor, or it may be moored off a buoy, so VirCru allows you to set a different GeoFence or virtual perimeter on your VirCru Smart Boat App depending on where you're moored and alert you if your boat moves.

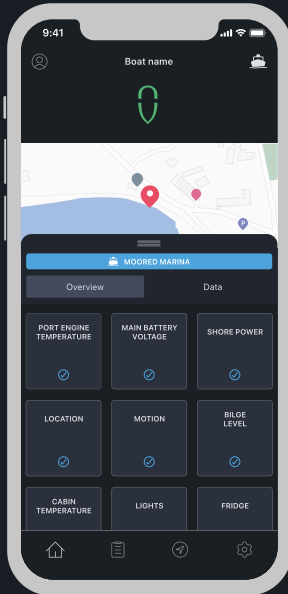
Battery and Bilge Pump monitoring

The VirCru Hub can be configured to monitor your main battery, secondary battery and bilge pump simultaneously. If voltages or bilge activation fall above or below a level of your choosing, the Hub will notify you via the VirCru App.

Trip Monitoring

You can also record exactly where you've been on your boat using the VirCru Smart Boat App. To create a Trip Log, navigate to the Location tab of the VirCru App and select 'Start Log'. There is also the option to view your Log History in this tab.

3. The VirCru App



3. 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. 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. Installation Guide

Getting started

Before you begin, read through this guide and make sure you understand the installation instructions. Our guide is designed to give you a basic understanding of the electrical engineering components. However, if you are not technical, please bring in a professional marine electrician to help you with the installation process.

After reading the installation guide, decide where best to site your VirCru Hub and ensure you have the correct tools for the job.

You will need:

- A #2 Pozzi-drive Screwdriver
- A 3mm Drill Bit
- A Drill
- A 7mm AF spanner
- A 2.5mm Hex Key (Allen Key)
- Spanners/Screw Drivers to match your boat terminals (e.g. Battery, Bilge)

Please keep this guide safe, as it contains our contact information and advice on best practice for installation. It is a good idea to install the VirCru App before installation, as this allows you to scan the QR codes and register/name your Hub before you begin.

How to Install your VirCru Hub - Process Overview

1. Unbox your VirCru Hub
2. Download the VirCru Smart Boat App on your mobile device
3. Open the App and scan the QR code on your Hub or packaging to activate your VirCru Hub
4. Attach the VirCru Hub to your boat
5. Connect the VirCru Hub to your boat's main battery
6. Install the VirCru Sensors onto your boat (we recommend naming each one in the App as you go).

Detailed instructions on this process are available in this guide.

Safety Precautions

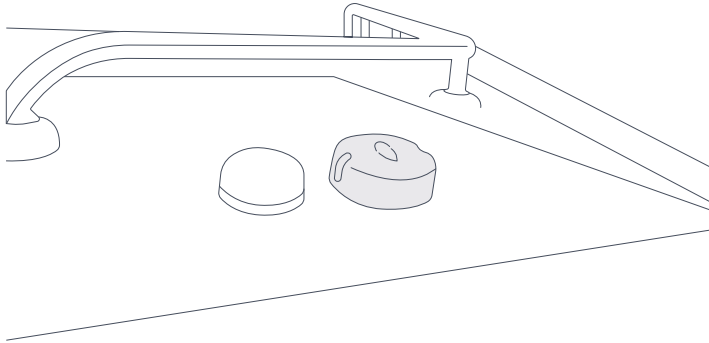
Please ensure to:

- 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.

Once unboxed, register your VirCru Hub by scanning the QR code on the VirCru Smart Boat App.

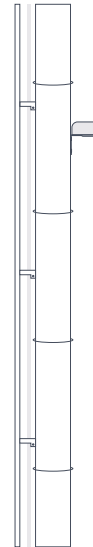
The Hub can be mounted in a few ways:

- Through a hole on the roof or console of your boat, using the supplied sealing gasket and screws.



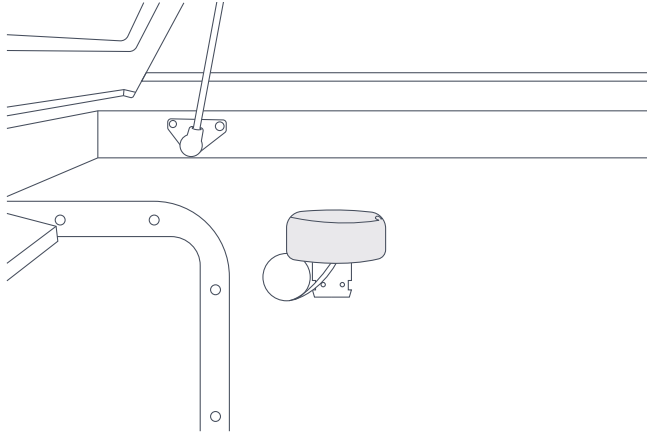
The Hub can be mounted in a few ways:

- On the mast of your boat, using the supplied bracket and screws or user-supplied stainless steel bands.



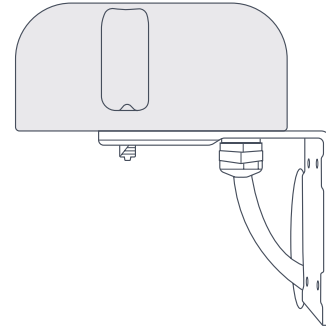
The Hub can be mounted in a few ways:

- Inside your boat, using the supplied bracket and screws. [Example 1](#)



The Hub can be mounted in a few ways:

- Inside your boat, using the supplied bracket and screws. [Example 2](#)



The Hub should be mounted with the logo facing towards the sky. The best GPS and GSM signal will be received by mounting the unit as high as possible, for example on the roof of the cabin or on the mast, and securing using the screws and foam gaskets provided.

The Hub can be mounted below deck on fibreglass boats, using the supplied bracket or adhesive pads, but this may result in reduced GSM signal strength and GPS performance. Wherever you choose to mount your VirCru Hub, it must be a safe distance (at least 600mm) from your magnetic compass.

In addition to the above, consideration should be given to the position of items that the Hub will be connected to when choosing the mounting position. We recommend testing the operation (signal strengths) of the Hub in its chosen position before fixing.

Connecting the VirCru Hub to your boat's battery

The VirCru Hub is supplied with a cable featuring four different-coloured leads.

Each is labelled, according to use:

- Battery 1 Positive (Red Wire)
- Battery 1 Negative (Blue Wire)
- Battery 2 Positive (Green Wire)
- Bilge Pump (Yellow Wire).

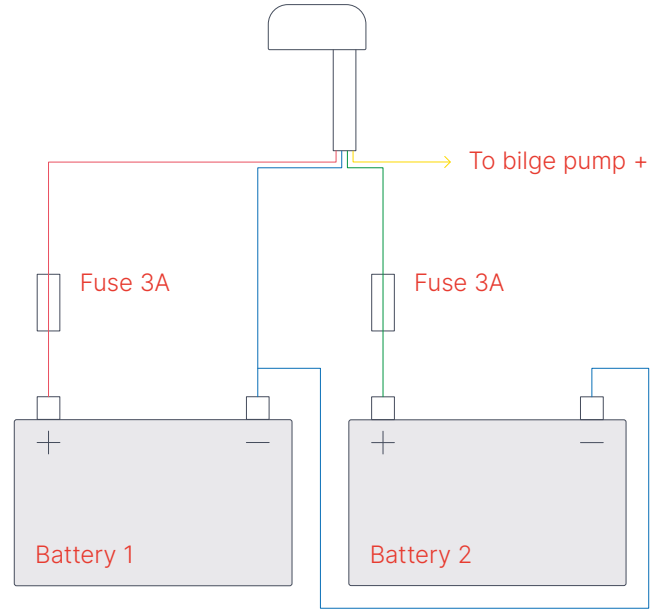
To power the VirCru Hub, the Battery 1 Positive and Battery 1 Negative wires should be connected to the positive and negative terminals of your boat's battery respectively.

The Battery Positive needs to be connected to the battery prior to the battery isolator, such that the power to the Hub is maintained even when the isolator is turned to the off position.

The Battery 2 Positive can be connected to the positive terminal of a secondary battery. The Bilge Pump wires can be connected to the bilge pump operation you wish to monitor. Depending on where the second battery and Bilge Pump are positioned, you may need additional wiring. The wiring instructions assume all batteries onboard have a common ground, this should be rectified if not the case (seek a professional marine electrician's advice).

The Bilge Pump wire should be connected to a point that has power only when the bilge pump is running, for example, the bilge pump warning lamp.

If a second battery/Bilge Pump is not going to be monitored, the Battery 2 Positive/Bilge Pump termination(s) should be safely insulated and stowed.



5. Don't Forget

- Check your Hub every few months to ensure it is working properly.
- It is always best to mount your Hub on flat and smooth surfaces.
- If you require any assistance with installation, contact a professional marine electrician or a member of the VirCru team.

6. We're Here to Help



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

We aim to respond to all email enquiries within 1-2 working days.

01386 800 360

Our phone lines are open 24/7 for enquiries, and we will aim to respond to your query (via your preferred choice of phone or email) within 1-2 working days.

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