

# Your c.technology system: Installation Manual

## A GUIDE TO SMART VEHICLES

For the installation you need the following components:

1. Your seaborne computer
2. Case
3. connection cable
4. Instruction and personal access ID



In the first step, the c.technology-computer should be placed in the housing, if desired, and the signal cables should be plugged in. In the second step, the cables are connected to the individual components of the boat.

**Step 1:** First, plug the 12-pin connector into the seaborne computer. Fix the seaborne computer to the magnetic strip prepared in the case.

The color-coded cables and pin number of the connector at a glance:



Pin 1 - Red: Battery +V



Pin 7 - Black: Battery GND



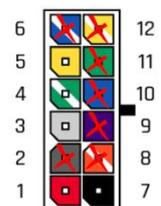
Pin 4 – Green-White: Fuel Sensor



Pin 3 - Grey<sup>1</sup>: 2te Battery +V - *if available* -



Pin 5 - Yellow: Shore connection detector - *if available* -



<sup>1</sup> With some cables the grey appears almost white. Pay attention to pin number 3!

**Step 2:** Connect the cables to the components of the boat. We look at each component in detail.



**Caution.** Watch out for possible electric shocks when wiring. Never touch both poles of the battery at the same time!

## 2.1 Main Battery

The main battery serves as the power supply for the seaborne computer. Connect the red cable of the c.technology-computer with the (+) pole of the main battery. For safety, a 1-A fuse can be connected in between. Connect the black cable to the (-) terminal of your main battery.

The c.technology-computer must be powered even if the main switch is turned off. If the voltage is connected correctly, a LED of the seaborne-computer flashes.<sup>2</sup>

## 2.2 Fuel Sensor

Connect the green-white cable to the tank sensor. The tank sensor is located directly at the tank of your boat, whereby the connections differ from model to model. The green-white cable of the seaborne computer must be connected to the signal cable of the tank sensor. By default, the color of the tank signal cable is purple.

If no clear signal cable can be identified, look for markings or diagrams on the tank sensor that may help. Additionally the following information can assist:

- The fuel sensor has 2 connection cables: signal and (-). Connect the green-white cable from the seaborne computer to the signal of the sensor. The signal cable is then usually either purple, brown or red.
- The fuel sensor has 3 connection cables: (+), (-) and signal. The sensor cable in this case is usually White, Yellow or Purple. Red and black are usually reserved for (+) and (-).

In addition, the voltage of the signal can be measured to be sure. To do this, the tank sensor must be connected, and the ignition switched on. The voltage of the tank signal is in the range ~1V..~8V.

<sup>2</sup> The supply voltage must be in the range of 10V..30V.

## 2.3 Second Battery

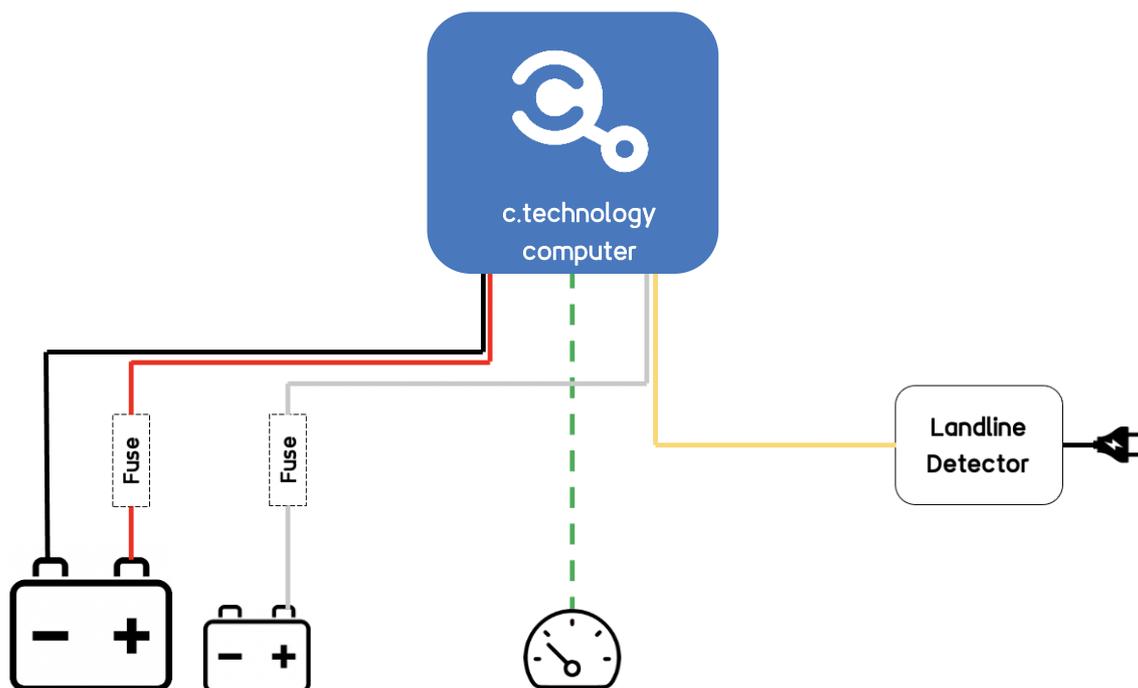
Connect the gray cable from the seaborne computer to the (+) terminal of the second battery. The voltage is only measured here and not used as power supply. The (-) pole does not have to be connected! Also, a 1-A fuse can be connected in between.

## 2.4 Shore Connection Dedector

If a shore connection detector is present, connect the yellow cable to the OUT pole of the detector module. Ask us for the 'AC Voltage Detector - Installation Manual' for more information.

## 3. Scheme Wiring

An overview of the wiring:



Congratulations, your c.technology-computer is installed! It may take up to 30 minutes before the data is updated and displayed in the app/dashboard. The tank sensors are calibrated automatically. Calibration will improve with frequent driving. The best calibration is achieved when the boat is driven to 20% fill level and then filled up.

Now you have a fully digitized boat and benefit from more safety, control and comfort. Made and developed with cutting-edge technology from Switzerland!