

## USER MANUAL – BOATCONTROL

### Technical Specifications

- L x W x H: 253 x 158 x 61 mm
- Power supply: 9 to 30 VDC
- Normal power consumption: 3 W, max 6.5 W
- Peripherals:
  - Channels: 14 contacts 10 A, max load 100A
  - Ports: 5-pin for NMEA2000
- Connectivity: Bluetooth, Wi-Fi and Cloud
- Status Indicators: Blue for power, yellow for NMEA2000
- Orientation: Vertical / Horizontal
- Mounting: 225 x 100 mm with  $\varnothing$ 5 mm mounting hole.

### Set Up

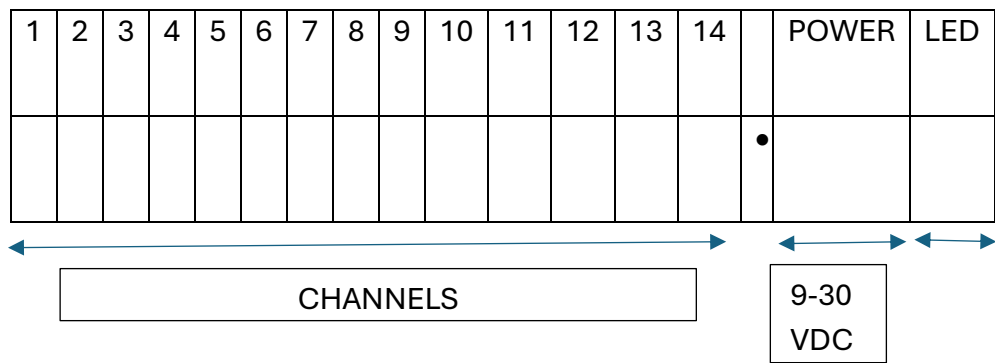
1. In the package: You will have a BoatControl box and 2 options of glands that you can use.



2. Electrical Set Up of the Box

- Open the box.
  - Note: Be careful while separating the lid and base as the 5 pin is having connection to the lid, so make sure you do not pull it apart with much force.

- Make connections



Connect each channel to your desired output device to control.

For example, to connect a Cabin light, take the positive from power supply and connect to left pin of relay/channel 1 and take the positive from cabin light and connect to right pin in relay 1; make sure to make it common ground for output devices and power supply.

Provide the supply in between 9-30 VDC preferably 12 or 24 VDC. If you switch on power, you will see blue light of the lid indicating supply is on.

Each channel / switch can control 12V to 24V up to 10A. The simultaneous load of all channels must not exceed 100A. The channels are all independent and isolated, so that no short circuits form between the channels. Each channel should be seen as a switch and there is no connection between the switch and the supply to BoatControl. It does not matter which of the pins for the individual channel gets plus, and it is possible to run 24V on one channel and 12V on another. The channels can be connected both parallel and serial.

- Make a note of the serial number written inside the plate.
- Mount it on the boat. You have 4 mounting holes on the base plate.
- After all connections and mounting is done, close the lid
- Also, please connect the NMEA2000/EPT LV battery devices to the 5-pin if needed. Connect to a T connector if you have multiple devices.

### 3. App Set Up

- After electrical installation, download the app from app store or play store or scan the QR Code below.



- Signup with email id and password or login if already a user
- After the power is on in the BoatControl box, you should see a label (eg: D-1100) for adding a new device to pair. The device ID will be the same as the serial number seen inside the box.

Note: If you have already paired once, this will not appear again and you will be automatically redirected to the your device.

- Click the pair option by using bluetooth enabling.
- Now you are connected.
- Now, click on the device for eg: D-1100 and you can see 3 pages, channels, NMEA and battery.
- Before proceeding, you could also connect to wifi by going to the right top most corner in the app and click settings. Click Wifi Setup and enter the credentials for selected network.
- You are now connected with bluetooth, wifi and cloud
- You can control your devices connected in the channels page. Just tap the respective channels for on and off. Also, you could customize the channel names and icons using the edit button in the top.

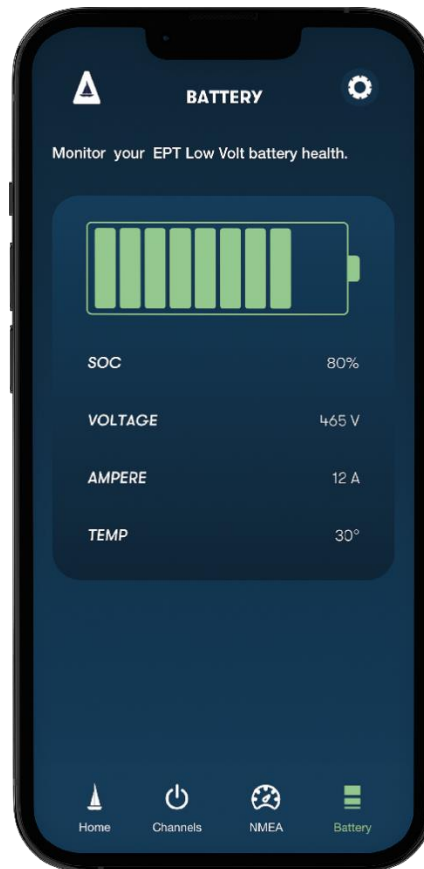


- If there are any NMEA devices added to the 5 pin you can view them in the NMEA page by adding them so that you only see what you wish to see.



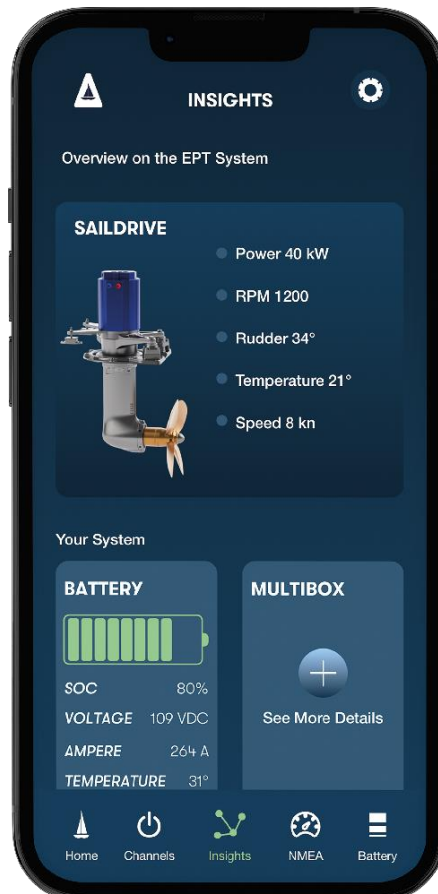
- Please Note: we have increased our NMEA devices to 13 so these are the options that you could connect to.
  - Temperature Gauge
  - Water Tank Gauge
  - Atmospheric Pressure Gauge
  - Septic Tank Gauge
  - Fuel Level Gauge
  - Course
  - Grey Water Tank Gauge
  - GPS
  - Oil Level Gauge
  - Rudderviser
  - Wind Gauge
  - Fish Tank Gauge
  - Black Water Tank Gauge

- Connect to EPT LV battery to see the real time health status as a whole. As of this version you can only connect one battery at a time.



- Note: For initial configuration , make sure no devices are connected to 5 pin. Also, switch off and on the BoatControl after connecting the battery. After connecting battery , you can view the readings the app. Once you see the readings in app you can reconnect all the NMEA device you have previously connected (if any). Also, for current version if your battery is in deep sleep mode, you might not see any readings. Connect to a load and then see if you are able to view the value.

- If you have an EPT system, you can also connect to see your system data such as motor speed, temperature, battery readings for high volt, propeller data and so on. Connect the 5 pin wire to the 5 pin in the box. You can also use a T connector and connect multiple devices at once to the 5 pin on the box.



## Warranty

- The warranty covers 1 year from the date of purchase. If your device was purchased from a store or directly from us, then you must send a copy of the receipt.
- The warranty is void if you do not comply with this instruction manual or if you attempt to repair or modify the product without written permission from BoatControl.
- In the event of a complaint, the unit must be sent to EPTechnologies Aps, Denmark.
- The warranty covers repair / replacement of your device, but does not cover eventual installation, configuration, and shipping costs.
- The responsibility of the manufacturer, in case of damage during use or installation, is limited to the value of the unit.

- The manufacturer is not responsible for errors or inaccuracies in manuals and instruction manuals from other companies.
- The manufacturer accepts contact regarding warranty and provides technical support via e mail or via authorized dealers.
- Contact details and a list of authorized dealers can be found at the end of this document or in our website.
- Make sure the seal is not broken before purchase; the manufacturer will not accept returns if it is broken.

## Settings

- Instructions

Find detailed setup and instructions for the startup

- Software update of BoatControl – Firmware

If an update is available, the icon will appear at the top of the app. You can update by tapping the icon and pressing the Download & Install button.

- Wi-Fi Set Up

Connect to Wi-Fi or disconnect using this option

- Cloud Set Up

Cloud is available to all up until December of 2025 and if you wish to use cloud again, you need to purchase it through here.

- Restart BoatControl box.

Press Restart and the box will now restart and be unavailable for the next 10-20 seconds. The contacts are not changed.

- Reset BoatControl box

You can reset your box here.

**WARNING:** Using this feature resets your box and all settings will be deleted, and the box will no longer be paired with your account.

- Change Password

You can change your current password to a new password.

## Additional connections

- Connection where the fuse is next to the electrical panel's switch (Parallel connection)

Here the appliance (light, refrigerator, heating, etc.) can be switched on with BoatControl or the switch on the electrical panel. The appliance is only disconnected when both the channel / switch on the BoatControl and the switch on the electrical panel are switched off. With this connection, the switch on the electrical panel is always off, and can be used if you want to override your BoatControl. The wires for the BoatControl channel are connected on either side of the switch on the electrical panel.

- Connection where the fuse is built into the electrical panel's circuit breaker (Serial connection)

Used where the circuit breaker on the electrical panel has a built-in automatic fuse. Here, the appliance (lights, refrigerator, heating, etc.) can be switched on with BoatControl when the switch on the electrical panel is switched on. With this connection, the switch on the electrical panel is always on, and only off if BoatControl is to be overridden (see the section on overriding). The BoatControl channel is installed between the switch and the appliance (light, refrigerator, heating, etc.).

- Security

When connecting, where the fuse is next to the electrical panel switch (Parallel connection), do the following:

- 1) Switch off the power to BoatControl
- 2) Switch on the necessary equipment via the boat's electrical panel

When connecting where the fuse is built into the electrical panel's switch (Serial connection), do the following:

- 1) Turn off all switches on the boat's electrical panel
- 2) Hold down the manual switch on the BoatControl for 5 seconds to turn on all channels
- 3) Switch on the necessary equipment via the boat's electrical panel.

If you face any issues contact us at [support@epttechnologies.de](mailto:support@epttechnologies.de) /Phone: +45 30 20 96 94; we will get back soon. Thankyou!