

User Manual

Install Battery

Please open the case (black cover, two M2 screws) and install one 18650 1-cell Li-ion battery. Alternatively, power the device via USB-C port. Li-ion battery can be charged via USB-C port too.

Main Buttons

- **Left button** is currently unassigned (it shall switch the current preset in some future version);
- **Middle button** rotates the screen 90deg;
- **Right button** switches pages: Channels, Raw device views, Settings

5-way Joystick

This little joystick is used for page navigation and for changing and confirming values.

Channels page

List of RC channels and their current values.
Active channels are on light gray background.
Inactive channels have dark gray background.

Note: A channel can be inactive due to following:

- *Currently connected source (USB joystick or Bluetooth trainer) has explicitly disabled the channel;*
- **RCHub is not activated**, so only 4 first channels are active.

Use this page to cross-check values generated by RCHub with the values received in your radio.
Here, you can also access a channel edit page:

- Select a channel with 5-way joystick by pressing up or down;
- Enter channel edit page by pressing the joystick.

Channel edit page

Note: To edit a channel you have to have exactly one input device connected to RCHub (USB or Bluetooth).

- Navigate channel options by using 5-way joystick.
- Activate an option by pressing on the joystick.
- Edit option value by pressing up or down.
- Finish editing an option by pressing 5-way joystick.
- Return to the main page by selecting "Save & Back..." line and pressing 5-way joystick.

Raw device view page

This page shows raw data received from a connected device: for USB joysticks these are axes and buttons, for Bluetooth trainer these are channels.

Use this page to check your hardware and discover axis and button numbers.

Settings page

Here you can select number of channels sent to your RC transmitter (radio) over PPM, up to 16.
Be mindful, by increasing number of channels you make PPM frame larger and that adds to the delay.
Bluetooth discovery can also be enabled or disabled here. Bluetooth is disabled by default.

Update Firmware

Download latest release (<https://github.com/skygadgetsab/rchub/releases>) and place the **.bin** file into "app" folder on Micro SD card.