

RCHub: USB-to-PPM Converter

RCHub lets you control

- a plane with a stick or H.O.T.A.S.;
- a car with a USB steering wheel and pedals;
- a mini-quad with a game console controller;
- and any combination of above, plus connect a wireless bluetooth head tracker!

Features

- **Auto-discovery joystick devices**
 - Recognizes and pre-configures any new USB controller;
 - **Up to 8 joysticks** simultaneously.
you'll need a separate USB hub for that, as RCHub has only one physical USB port.
- **Built-in display** with 5-way joystick and 3 buttons for easy configuration
 - **Up to 16 output channels** configurable directly on screen, no config file editing needed
 - **Color-coded** channel visualisations, by source
 - red - axis,
 - green - button,
 - blue - bluetooth.
 - **Raw data view** page
see the raw data your joystick sends, access state of it, deadzones, axis and button numbers
- **Bluetooth wireless PARA trainer support**
Automatically connects to devices that support Bluetooth PARA trainer protocol and allows you to mix in these channels to PPM output. As such, RCHub can be used as Bluetooth-to-PPM bridge for radios w/o bluetooth support. Especially convenient when used with wireless head trackers, with or without USB joystick.
- **Processing adds minimal delay**
Just half of the PPM frame, or approximately 10ms.
- **Simple firmware upgrades**
Download latest release (<https://github.com/skygadgetsab/rchub/releases>) and place the **.bin** file into "app" folder on Micro SD card.
- **Fully autonomous** and provides power to connected joysticks.
Accepts well known and widely used **18650 Li-ion battery** (not included due to shipping restrictions).
Battery is optional as RCHub can be powered via USB-C from a power bank or a phone charger.

Contacts

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