HV 100A PRO-D
NAVY Brushless Speed Controller

Type	Voltage	Amp (A)	IR (Ω)	LiPo Cells	BEC	Weight (with wires)	Dimension (mm)
HV 100A PRO-D	6-26V	100	0.00076 Ω	2-6	NO	120 grams	100 x 65 x 13

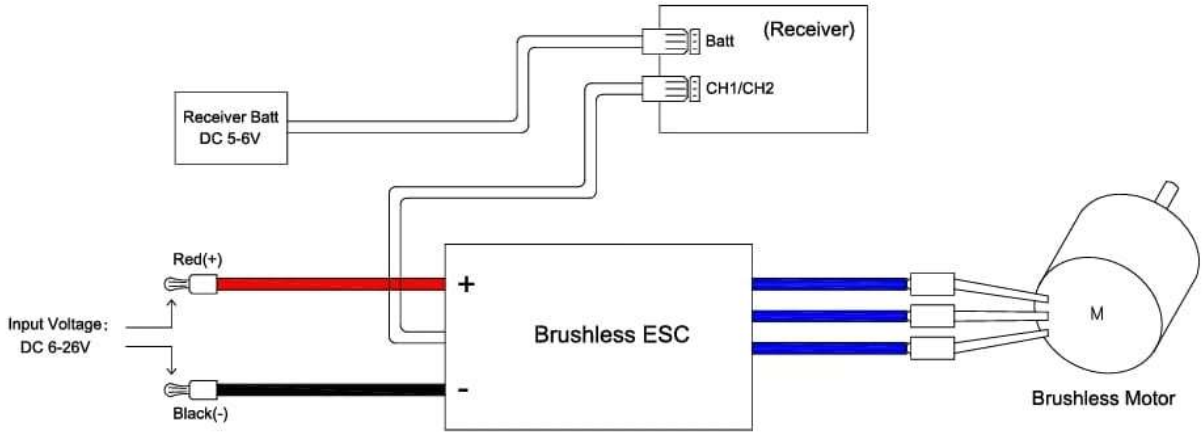
Precautions:

1. This device is a remote-control model product, and it is prohibited to use it on a manned system.
2. This equipment is a high-power electronic product, which will generate a high level of heat during operation. Please be cautious and provide sufficient water-cooling condition or forced air cooling condition.
3. This device is equipped with a power supply voltage detection system. When connecting the device with the battery, please shorten the length of the connection wiring and ensure that there is a battery with sufficient discharging current to prevent the voltage detection system malfunction.
4. It is strictly prohibited to operate the throttle quickly and frequently without motor load on this equipment.
5. It is required to calibrate the throttle range manually for the first time. Same practice is also required for the replacement of transmitter.

Features:	Specifications:
1. Manually calibrate the throttle range	1. Input voltage range: 2V-26V
2. Power off when error signal occurs.	2. Number of working batteries: 2-6 LIPO (lithium ion)
3. Support brushless motors of most models 4.	3. Maximum working current: 100A (sufficient water-cooling condition is required)
5. Compatible with Pistol-grip transmitter	4. BEC output: NO
6. BEC output	5. Internal resistance: 0.00076 ohm
7. Support the change of parameter via computer or program box (sold separately)	6. Size: 100mm(L)×65mm(W)×13mm(H)
8. Auto PWM	7. Weight ≈ 120g

Instructions:

- Calibration of the throttle range manually is required for the first time.
- Steps to calibrate the throttle:
  1. Make sure that the wiring is correctly connected, and the throttle is set at its maximum level (100%) before connecting with power.
  2. A ♫~ sound beeps once connected with power, indicating that the power supply/ESC/motor is successfully connected.
  3. After the first ♫~ sound ends, set the throttle to its zero level (0%). Another ♫~ sound will beep, indicating that the setting is completed.



For the ESC advanced setting, please refer to the relevant computer/program box description:

- If the capacitor is getting hot during use, please add an extra capacitor bank to the power input of the ESC to improve the performance
- Attention: This ESC will automatically turn off the output when the receiver signal is missing, and at the same time it will emit a ♫~ beep. You may be able to locate your model by the beep sound.
- When the receiver signal is missing, set the throttle to the lowest (0%) immediately to avoid accidents in case the ESC restarts suddenly.