

Throttle Range Calibration for Hobbywing Quattro 20A*4 ESC

1. Calibrate the No. 3 ESC in the Quattro.
 - a) Plug **S3** lead into the throttle channel of the receiver;
 - b) Calibrate the throttle range of No. 3 ESC in the Quattro;

Switch on the transmitter, move throttle stick to the top position

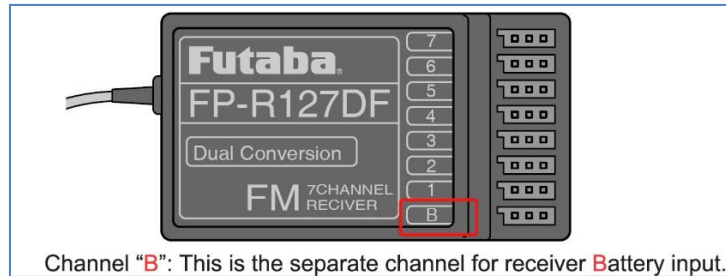
Connect battery pack to the ESC, and wait for about 2 seconds

The "Beep-Beep-" tone should be emitted, means the top point of throttle range has been confirmed

Move throttle stick to the bottom position, several "beep-" tones should be emitted to present the amount of battery cells

A long "Beep-" tone should be emitted, means the lowest point of throttle range has been correctly confirmed

2. Calibrate other 3 ESCs (No.1, No.2 and No. 4) in the Quattro.
 - a) If the receiver has a separate channel for "Battery" (Please check the following picture as reference)



- i. Plug **S3** lead into the "Battery" channel in the receiver (to provide working voltage to receiver);
 - ii. Plug **S1** lead (that is: the control wire for No. 1 ESC) into the throttle channel of the receiver, and then calibrate No. 1 ESC as usual;
 - iii. Unplug the S1 lead from the receiver, plug **S2** lead (that is: the control wire for No. 2 ESC) into the throttle channel of the receiver, and then calibrate No. 2 ESC as usual;
 - iv. Unplug the S2 lead from the receiver, plug **S4** lead (that is: the control wire for No. 4 ESC) into the throttle channel of the receiver, and then calibrate No. 4 ESC as usual;
- b) If the receiver hasn't a separate channel for "Battery"
 - i. Plug the lead of receiver battery pack (4.8 to 6V) into any channel except the throttle channel;
 - ii. Plug **S1** lead (that is: the control wire for No. 1 ESC) into the throttle channel of the receiver, and then calibrate No. 1 ESC as usual;
 - iii. Unplug the S1 lead from the receiver, plug **S2** lead (that is: the control wire for No. 2 ESC) into the throttle channel of the receiver, and then calibrate No. 2 ESC as usual;
 - iv. Unplug the S2 lead from the receiver, plug **S4** lead (that is: the control wire for No. 4 ESC) into the throttle channel of the receiver, and then calibrate No. 4 ESC as usual;

Hobbywing will release a **Throttle Signal Hub** soon to simplify the above operations. With the Throttle Signal Hub, user can calibrate 4 ESCs at the same time.

