

pg. 1

IMPORTANT: When handling the board hold it using the ESC's to reduce the possibilities of electro static discharge.

Select the correct mode of operation to suit your bait boat before installation of the board, the following instructions are for quick start for advanced information, connecting to SP Tackle Autopilot and Flysky handset settings download the Full Specification Manual from the SP Tackle website.

Mode Select

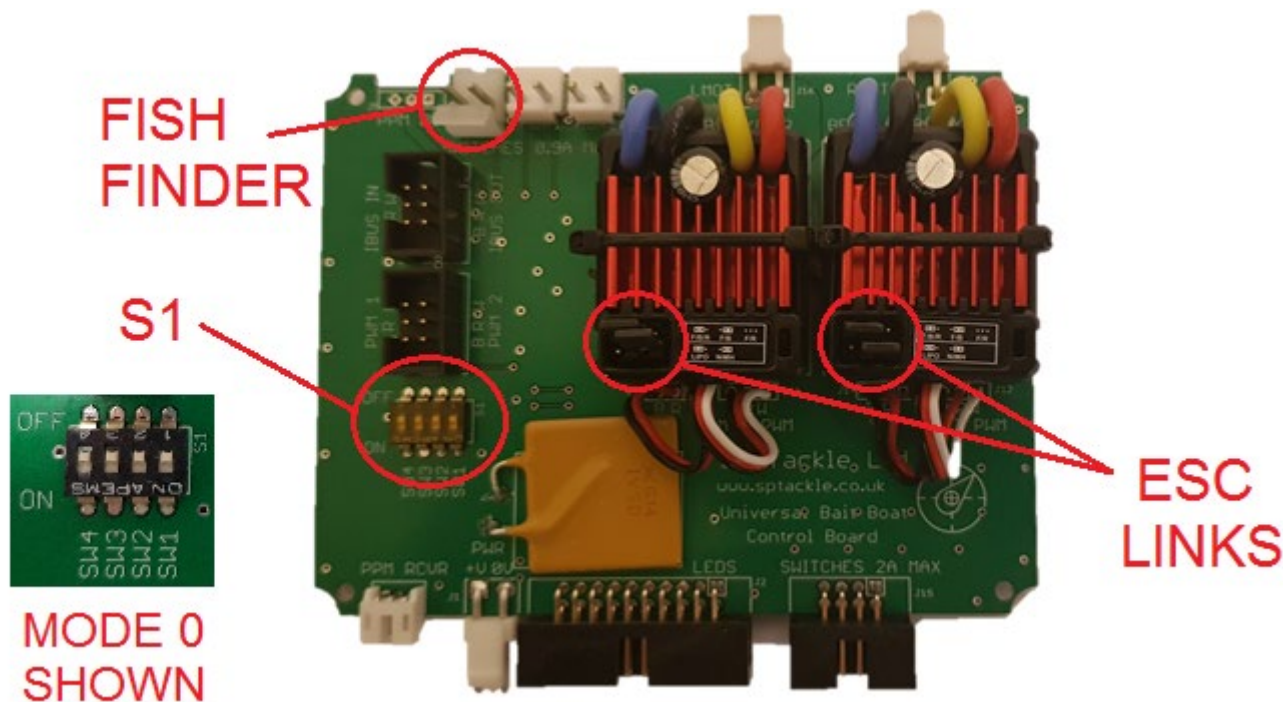


Figure 1 – UCB (Universal Control Board)

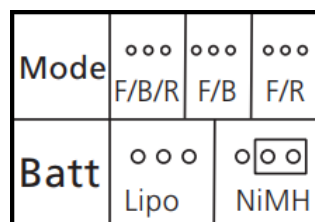
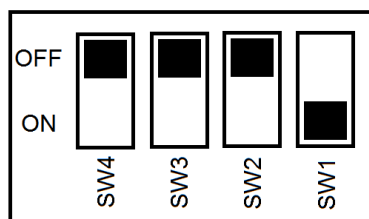
Set the DIP switch S1 and ESC's as follows for your boat model:

Mode 0 – **Waverunner Mk1 onwards** standard Rx

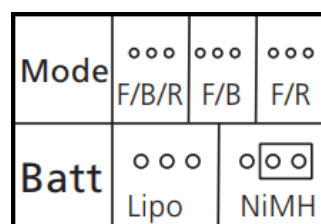
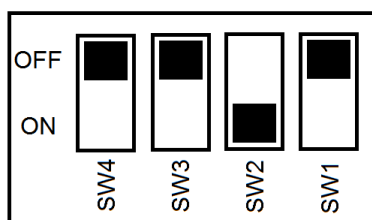
OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ON	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	SW4	SW3	SW2	SW1

Mode	ooo	ooo	ooo
	F/B/R	F/B	F/R
Batt	ooo	ooo	ooo
	Lipo	NiMH	NiMH

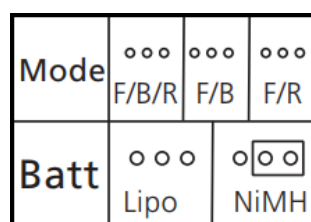
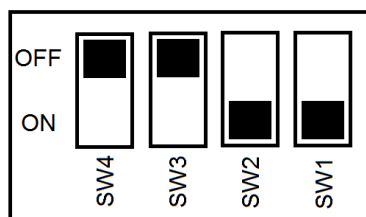
Mode 1 – Waverunner Mk1 onwards Flysky FS-iA6B Rx



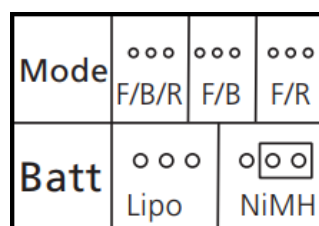
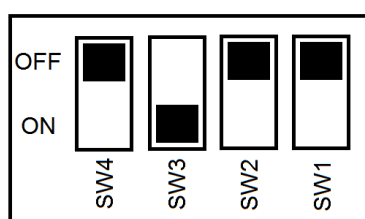
Mode 2 – Waverunner Atom/Shuttle standard Rx



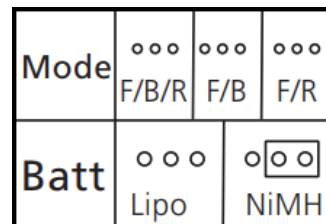
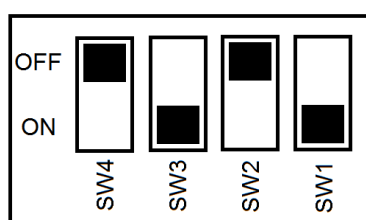
Mode 3 – Waverunner Atom/Shuttle Flysky FS-iA6B Rx



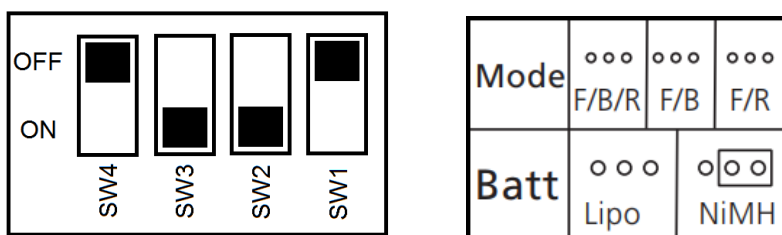
Mode 4 – Reserved



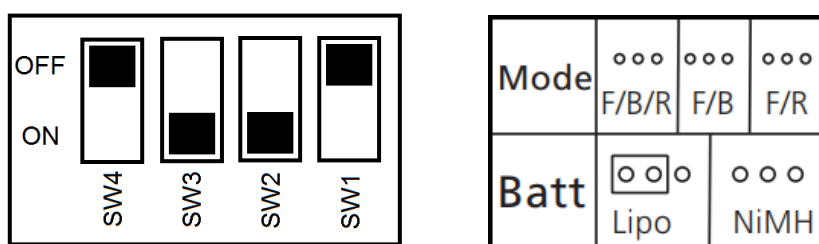
Mode 5 – Reserved



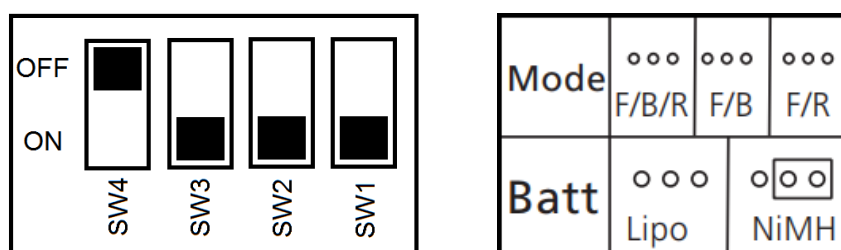
Mode 6 – UNIVERSAL Twin Motor, Single Stick Steering, (Mode 1 Handset), (12V Lead Acid/Nimh/Lithium Power) Flysky FS-iA6B Rx



Mode 6 – UNIVERSAL Twin Motor, Single Stick Steering, (Mode 1 Handset), (3S Lipo Power) Flysky FS-iA6B Rx



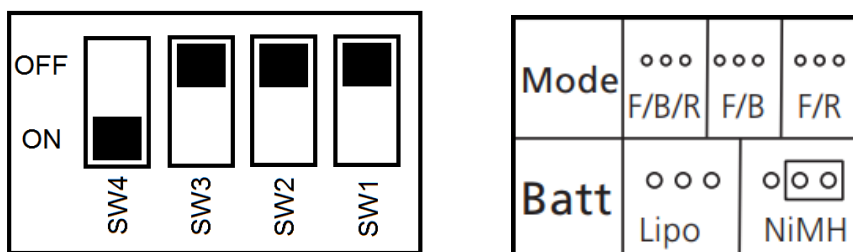
Mode 7 – UNIVERSAL - Twin Motor, Single Stick Steering, (Mode 1 Handset), (6V Lead Acid/Nimh/Lithium Power) Flysky FS-iA6B Rx



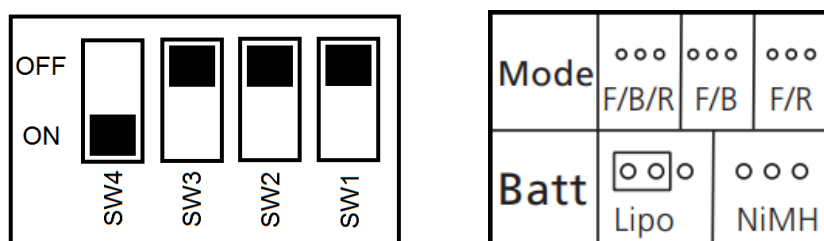
Mode 7 – UNIVERSAL - Twin Motor, Single Stick Steering, (Mode 1 Handset), (2S Lipo Power) Flysky FS-iA6B Rx



Mode 8 – UNIVERSAL - Twin Motor, Twin Stick, Tank Steering, (Mode 1 Handset), (12V Lead Acid/Nimh/Lithium Power) Flysky FS-iA6B Rx



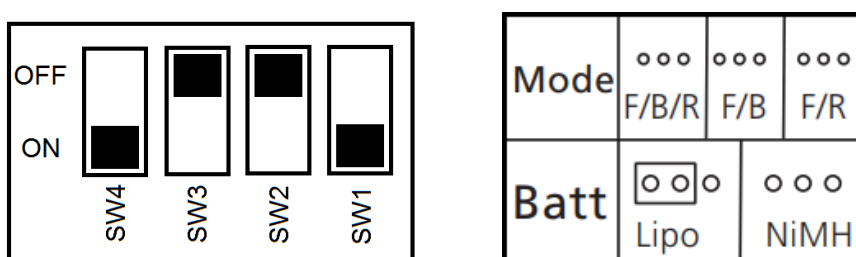
Mode 8 – UNIVERSAL - Twin Motor, Twin Stick, Tank Steering, (Mode 1 Handset), (3S Lipo Power) Flysky FS-iA6B Rx



Mode 9 – UNIVERSAL - Twin Motor, Twin Stick, Tank Steering, (Mode 1 Handset), (6V Lead Acid/Nimh/Lithium Power) Flysky FS-iA6B Rx



Mode 9 – UNIVERSAL - Twin Motor, Twin Stick, Tank Steering, (Mode 1 Handset), (2S Lipo Power) Flysky FS-iA6B Rx



Waverunner Fitting

To replace the existing control board:

Mk1 onwards

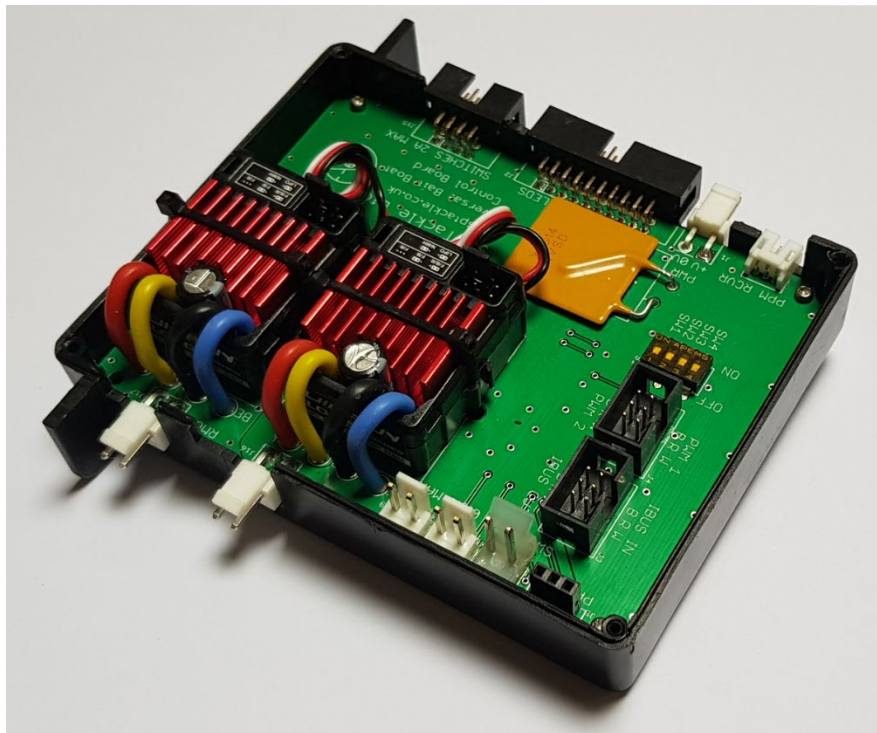
1. First remove the rubber grommet covering the fixing screw behind the boats power switch on the top cover.
2. Remove the screw then carefully from within the battery compartment slide the control board module towards the front of the boat and it will release from its fixings.
3. Carefully remove all the connections to the module, they may be held in with hot glue which can be peeled away.
4. Unfix the RC receiver if attached to the control board module.
5. Once the module is clear of the boat remove the four screws holding the top in place using a small cross head screwdriver.
6. With the top removed unscrew the four screws holding the PCB in place in each corner.
7. Holding the relays carefully pull the board away from the housing.
8. Fit the new board in place in the housing, without the top as no longer required.
9. If the boat is a Mk4 or later fitted with a Fish finder output, the cable is to be plugged into the connector shown in figure 1.
10. Refit all the connectors, fit the module back in the boat and refit the holding screw on the top cover.
11. The RC receiver will need repositioning using Velcro or similar.
12. The board is now ready for use.

Atom

1. From within the battery compartment remove the two screws at the base either side of the control board module.
2. Carefully remove all the connections to the board, they may be held in with hot glue which can be peeled away.
3. Once the module is clear of the boat remove the four screws holding the top in place using a small cross head screwdriver.
4. With the top removed unscrew the four screws holding the PCB in place in each corner.
5. Holding the relays carefully pull the board away from the housing.
6. Fit the new board in place in the housing, without the top as no longer required.
7. Refit all the connectors, fit the module back in the boat and refit the holding screws on either side of the module.
8. The board is now ready for use.

Shuttle

1. To remove the top cover, place the boat upside down and remove the screws around the perimeter of the hull.
2. Hold the hopper doors in the open position using masking tape or similar.
3. From within the hopper compartment run a scalpel around the top edge to break the silicone seal.
4. Carefully prise the top cover away from the hull, when removing tilt the cover towards the front of the boat as it may require cable ties to be cut holding the loom in place on the existing control board module.
5. With the top cover clear unscrew the two screws holding the module in place either side of the hopper solenoid.
6. Carefully remove all the connections to the board, they may be held in with hot glue which can be peeled away.
7. Once the module is clear of the boat remove the four screws holding the top cover in place using a small cross head screwdriver.
8. With the cover removed unscrew the four screws holding the PCB in place in each corner.
9. Holding the relays carefully pull the board away from the housing.
10. Fit the new board in place in the housing, without the top cover as no longer required.
11. Refit all the connectors, fit the module back in the boat and refit the holding screws on either side of the hopper solenoid.
12. Refit the boats top cover and reseal the hopper area.
13. The board is now ready for use.



General Information

Guarantee

Your UCB is guaranteed for 12 months from the date of purchase. Subject to the terms listed below.

The guarantee will provide the repair of or at SP Tackle Ltd.'s discretion the option to replace the UCB which is identified as faulty. Products over 28 days old from date of purchase may be replaced with a refurbished or repaired product.

The conditions of the guarantee are:

- The guarantee shall only apply to defects that occur within the 12 month period from date of purchase.
- Proof of purchase is required.
- The UCB is returned to SP Tackle Ltd or distributor as instructed.

The guarantee does not cover any faults or defects caused by accidents, misuse, fair wear and tear, neglect, tampering with the equipment or any attempts at adjustment or repair other than through SP Tackle Ltd or an approved agent and defects resulting from water ingress.

This guarantee does not affect your statutory rights.

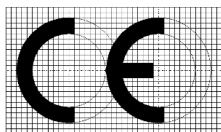
You will be responsible for returning the goods to SP Tackle Ltd at your own risk and cost, therefore, we strongly recommend you use an insured delivery method such as Royal Mail Special Delivery.

For repairs outside of the 12 month guarantee period contact SP Tackle Ltd.

Software and firmware updates may become available from time to time, notifications will be made available on the SP Tackle Ltd website <http://www.sptackle.co.uk/>

How to recycle your equipment

The symbol shown below right and on the product identifies that the product is classed as electronic equipment so **DO NOT** place in your normal rubbish bin. As part of the Waste Electrical and Electronic Equipment Directive (WEEE) you may return the product back to SP Tackle Ltd for disposal in a safe way.



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