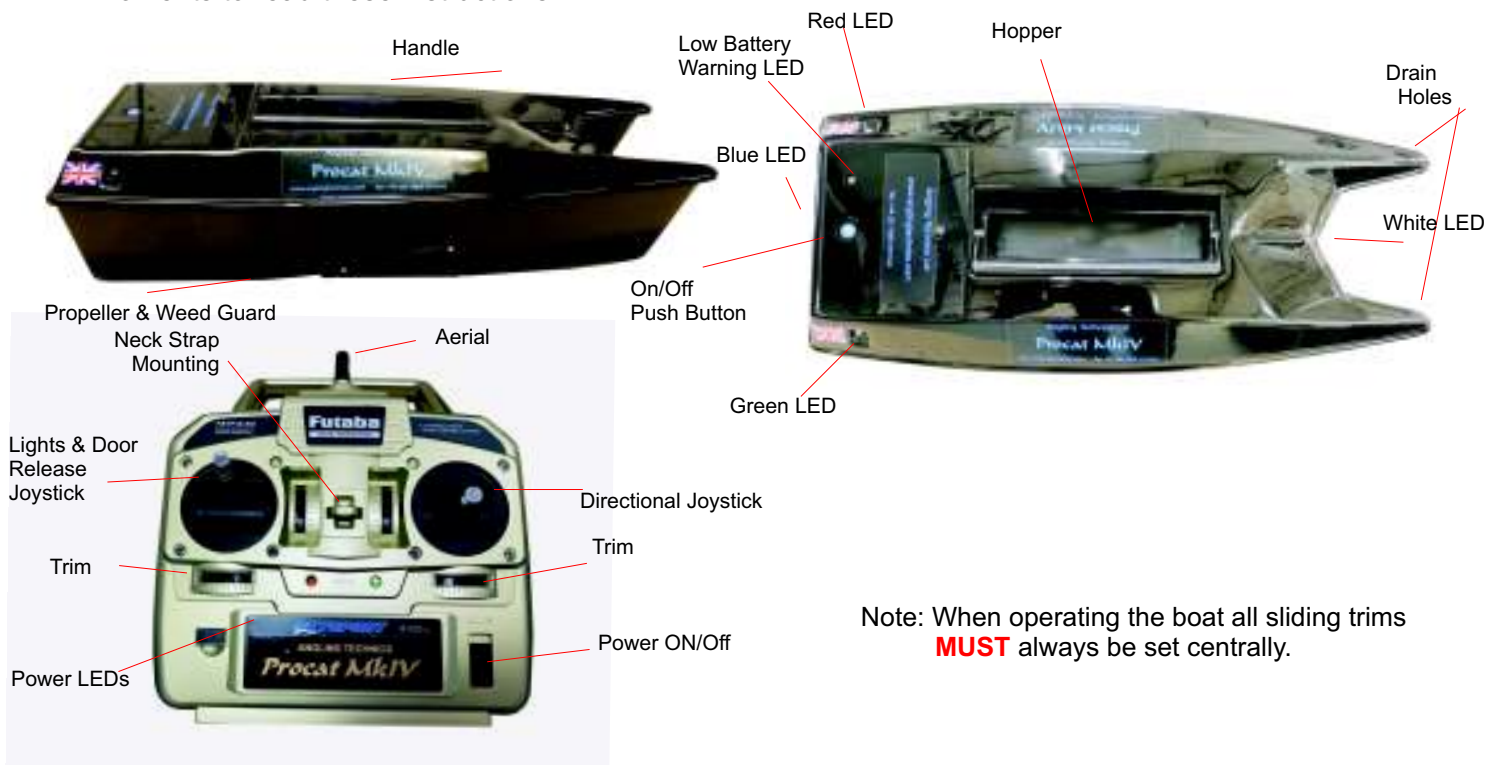


# Angling Technics Limited

## Procat MkIV

Thank you for purchasing this highly advanced fishing aid. Before you use it, please take a few moments to read these instructions.



Note: When operating the boat all sliding trims **MUST** always be set centrally.

### Operation Instructions:

1. There is no external boat aerial as it is fitted internally.
2. The aerial on the transmitter has its optimum operating position when the aerial tip is vertical. When the battery level falls to an unacceptable level an alarm will sound and the LED's will flash.
3. The transmitter features analogue trims. All trims should be in the middle of their movement.
4. Turn the Transmitter "ON".
5. Connect the boat battery. Turn "ON" the boat using the "ON/OFF" button. Provided the LED joystick is in the "up" position then all the navigational LEDs will be "on".
6. Open the hopper door by moving the door catch forwards manually, or by moving the left-hand transmitter joystick to the left or right. When opening the doors using the transmitter (not manually) then you **MUST** wait approximately 15-20 seconds for the door catch to return to its natural position. Place your line and hooked bait up through the open door and guide the line so that it trails from the "Line Guide" at the stern of the boat, in the centre. Close the door, which will lock in place, load your bait into the hopper.
7. Place the boat into the water and using the right-hand joystick steer the boat to its destination. At the desired position release the bait and your rig by moving the left-hand joystick left or right and this will release the hopper door.
8. When the hopper is released the boat LED's will go "off" until the joystick is back in the central position and the hopper has opened. The hopper can operate independently of the other controls so you can have the option to release the bait while the boat is moving. When the bait and/or line has been released guide the boat back to you.
9. To get a minimum turning circle simply ensure that the boat is not moving and move the right-hand joystick to the left or right (3 o'clock or 9 o'clock) leaving the joystick in the neutral position as far as forward and reverse is concerned.
10. Moving the left-hand joystick (light control) fully backwards towards yourself will turn the navigational lights (LED's) to the "off" position. As you move the same joystick slowly forwards the navigational lights will come "on" and gradually increase in brightness until they are fully "on", when the joystick is fully forwards. When the LED's are "off" they will only come back "on" if the boat loses radio signal, and they will flash continually until the radio signal is restored.
11. Remove the Procat from the water and gently close the hopper door. Switch "off" the boat by pressing the button again.
12. Switch "off" the transmitter.

## Lights.

- Lights continuously "ON" - normal operation.
- Dim lights flashing - radio signal failure to the boat.
- Two /three second blink - hopper door operated.
- No lights - transmitter set to "NO LIGHTS" mode.

## Additional Operating Notes.

- a. There is no mechanical rudder used in the boat. Its steering is achieved by altering the power of the motors.
- b. The positions of the transmitter control joysticks are directly proportional to the motor power.
- c. The boat possesses a very high degree of manoeuvrability, the maximum turning force being when the throttle joystick is in the central position and the rudder joystick is at extreme right or left.
- d. With the lights (LED's) set to the "OFF" position there is no visual indication that the hopper doors have opened.
- e. If it appears that the boat is becoming exhausted and may not make it back to you, then let the boat drift for a while and the batteries will recover enough energy to make the return. You may need to do this a couple of times. It is recommended that a bankside or solar charger be used to top up the batteries after every trip, while at the bankside.
- f. If the weed guards become blocked the steering of the boat may become impossible. Putting the boat into reverse will not clear the weed guards. If the boat appears to have a blocked weed guard, let it drift for a while as the offending blockage may fall away from the weed guard.
- g. Should the boat take in water, holding the boat with its bows facing down, should drain the water from the forward drain holes. This practice is recommended at all times.
- h. The boat can be used in wind and rain. If the situation gets very difficult while the boat is still on the water, it should be driven into or away from the wind whichever is most convenient.
- i. Do **NOT** use the boat in high winds and choppy conditions.
- j. If the transmitter is turned "OFF" while the boat is still "ON" the boat lights and motors may operate erratically, this is not good practise.
- k. The motors may be operated out of water without fear of damage, unless fouled by a blockage, which interferes with the propellers. **Never** try and remove anything that is fouling the propellers with the batteries still connected.
- l. Always pick up the boat gently as a fully loaded boat snatched up may cause excessive strain on the handle and hull structure.
- m. Whilst reversing the boat it may not reverse in a straight line, this is due to the shape of the rear of the boat. To get the best results inch the boat backwards while moving the right hand joystick to the left or right. This will provide steering in reverse.

**Batteries & Charging:** There is one mains powered charger supplied with the boat. The Boat charger is capable of charging the boats battery from fully discharged to fully charged in 15 hours. Under **NO** circumstances should the battery for the boat be fully discharged before charging as this can severely damage them. Boat battery charging can take place at any time without any detrimental effect on their performance. If the batteries are not used for some time they will need to be regularly charged ( at least every 8 weeks) to keep them in peak condition. **Please always disconnect and remove the batteries when the boat is in storage or being transported.**

The Transmitter(handset) runs on 4 x AA normal alkaline batteries and will last for over 24 hours continuous use and will last longer if fitted with Duracell or similar.

If the boat is not going to be used for some months then every 6-8 weeks give the boat an overnight charge to ensure the batteries remain fully charged.

**All rechargeable batteries will remain highly efficient if stored and maintained in a fully charged state. If the batteries are stored for long periods with very little or no charge in them, then you will probably be in a situation where the batteries will not accept a charge at all.**

### CARE OF YOUR EQUIPMENT.

1. Do **NOT** drop / knock the Procat as this may damage internal parts.
2. It is recommended that the boat be wiped down with a damp cloth and allowed to dry out any condensation in a warm and dry environment for a day or two.
3. Although the electronics are sealed, it is important that the boat and transmitter be stored in a warm, dry place, in order to prevent condensation build up.
4. The transmitter should be protected from water / condensation at all times.

### Fault Diagnosis

Problem	Cause	Action
Slow running motors	Boat battery voltage low	Charge the boat battery
Low radio range	Boat battery needs recharging Transmitter batteries - low charge	Charge the boat battery Charge transmitter batteries
Motors run correctly but there is no movement	Weed guard blocked	Clean weed guard
Boat does not respond to transmitter control and appears "dead"	(a) Boat battery is flat (b) Transmitter batteries are flat	(a) Charge the boat battery (b) Charge transmitter batteries
Door open without command / boat is out of control	Radio interference from other sources	Check other boats users or interference could be the cause
Boat goes round in circles / difficult to steer	(a) Battery low on boat (b) Blocked weed guard	(a) Charge battery (b) Clean weed guard
Door will not open	Boat battery low	Charge boat battery
Door will not close	There is a delay of approx 15 secs between operating the door by radio and the catches returning to their natural position.	Wait for the door catches to return naturally