

Radio Plate Installation

With RMG self tensioning drum

The radio pot and winch mounting system installed in all out yachts can be purchased separately along with a recess that can be mounted on the underside of a flat deck.

Our IOM, M and 10r yachts all use a **32mm left hand self tensioning drum**. The sheeting lines are all on the left of the drum when looking from the stern to the bow.

Our 6m and RA yachts all use a **32mm right hand self tensioning drum**. The sheeting lines are all on the right of the drum when looking from the stern to the bow.

The following installation is of a plate in a 6m SeaBird, hence the lines are to the right.

Plates can be pre-printed for the following winches:

- RMG
- Robbie
- Kingsmax
- PJ Sails
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Additionally we can adapt any winch to take the RMG self tensioning drum.

Radio Plate

The plate locks into the internal ring so that the plate does not move around or up and down when the winch is under load.

Removing a self tensioning drum

When removing an RMG self tensioning drum, the drum is made up of two parts with a spring between the two. If you only pull the top part you will likely split the drum and they are a pain to get back together - **always pull the lower part**.

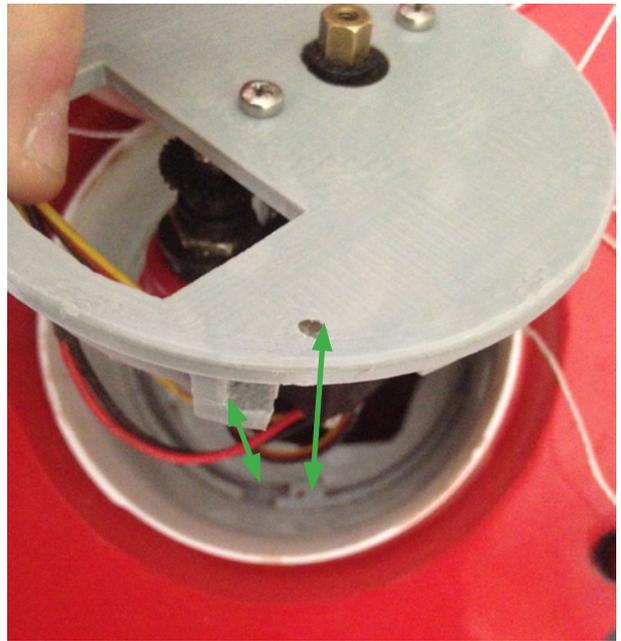


Plate

Attach the winch to the plate through the mounting holes.

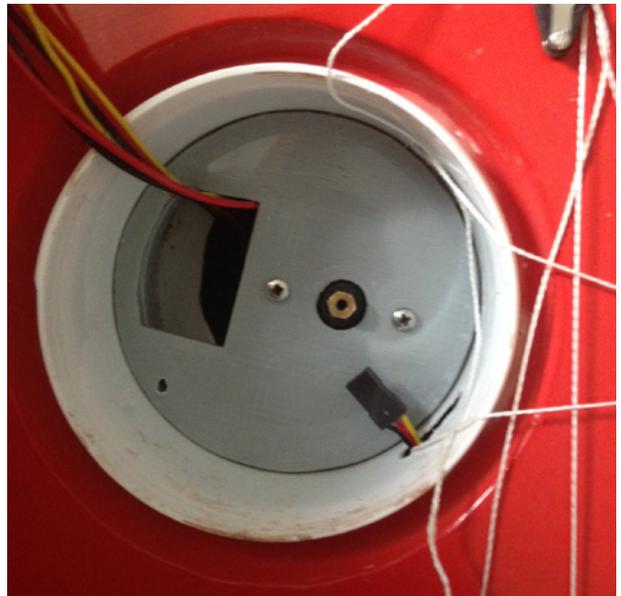
Important

The plate will only fit the internal mounting ring one way. The hole for the small screw must align with the hole in the internal mounting ring.



Lower the plate into the pot, keeping the sheeting lines and rudder servo lead clear, might help to lower the plate at a slight angle to give more space at the sides of the pot for the servo lead.

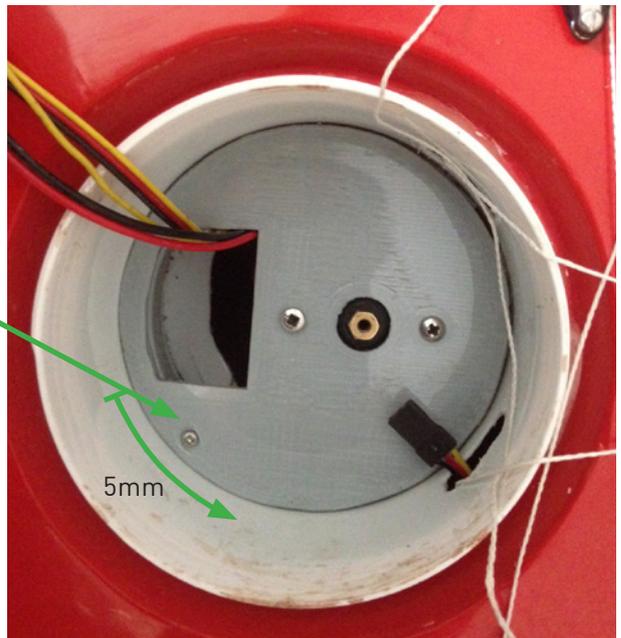
Ensure the plate is firmly located in the inner ring.



Twist counter clockwise until the plate locks with the ring - only moves 5mm.

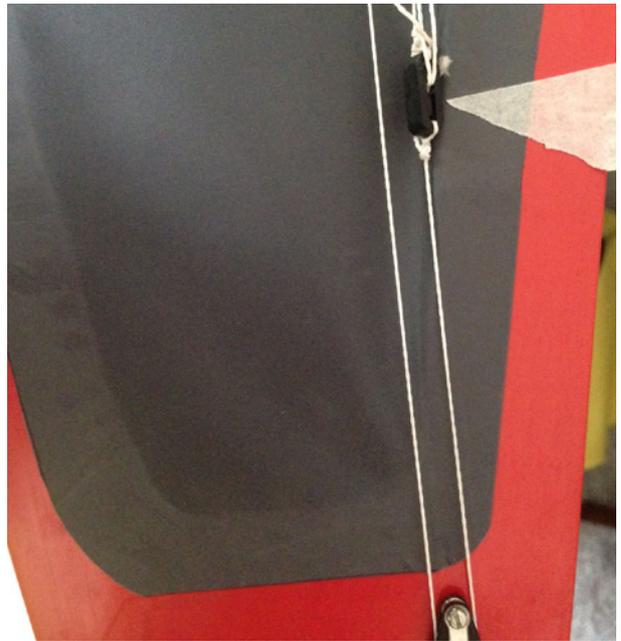
Insert the small screw.

The plate is now installed in the pot.
Firmly locked in position, with no upward or side to side movement.



Sheeting line

Mark the sheeting 'in' position of the black bowsie on the deck with a piece of tape.



Attach the sheets to the drum, the out line to the lower section. Ensure you have enough cord wrapped around the drum to allow the drum to rotate from full in to out position + 2 extra turns of cord.

Attach the return line to the top part of the drum. Allowing 2 extra turns of cord on the drum.

Allow the top part of the drum to rotate half a turn on the spring and mark the cord with a pen. Effectively putting tension into the sheeting line.

Remove the cord off the drum. Tie a series of knots in the top line where you marked the cord with the pen.

Wrap the cord back onto the drum, do the lower half first then the top half.



Place the drum on the spindle.

Insert the screw and washer, tighten until the screw just bites the washer. Ensure the drum easily springs back into position, if it is sluggish, slacken the screw slightly.



Fitting the Receiver

Ensure you know the correct channels for the rudder servo and winch on your transmitter.

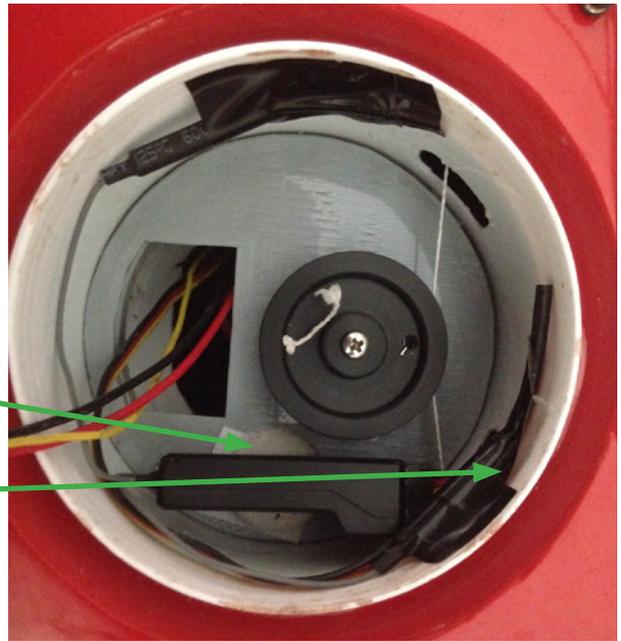
Plug the servo and winch into the appropriate channel on the Rx.

Self adhesive Velcro dots are ideal for holding Rx's in place.

Tape the aerials to the inside of the pot, as near the top as you can.

Most modern Rx's use two aerials, but not all.

Place the battery in the hole. Keeping the connectors near the top of the pot.



Set Up

Before you turn on the winch for the first time, ensure you remove the winch drum.

The winch initially will not be set for your sheeting in or out points. The winch will likely over tighten in one or both ways and would result in damage to the hull or to the winch.

RMG winches

Follow the set up manual for setting the end points and winch travel distances. ensure you use the white set up lead provided.

Other winches

Follow the manual that came with your winch to set the end points and travel distances. You may have to do these on the Tx.



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Sheeting layout on our IOM, M and 10r yachts

Through deck return

Sheets out position

Sheets in position

Through deck pulley

Deck mounted pulley

