



Installing the Receiver

If the smaller battery modification has been made on the DF65, there is now space for the receiver at the front of the servo tray. This will also help to get weight concentrated in the centre of the boat. Secure the receiver in place with a cable tie or velcro.

The DF95 has a built in receiver mount at the rear of the tray (starboard side) with provision to secure the receiver with a rubber O-ring. The O-ring can be awkward to connect and disconnect and you might find velcro a more convenient option.

Aerial installation

An important aspect of receiver installation is the placement of aerials. The active part of the aerial is the 30mm (approx) of bare wire at the free end. It is the location of this section of the aerial that needs to be considered.

Ideally a receiver aerial should be as high as possible to ensure good reception, but class rules require aerials to be installed fully inside the hull. The 2.4GHz systems supplied with the boats seems to work well and give good range in close proximity to water. However, to give the radio system the best possible chance of receiving signals in the crowded spectrum of a regatta, it is recommended they sit up against the underside of the deck.

One way to hold the aerial in place is to secure a length of drinking straw to the underside of the deck with BluTack (aka smurf poo) and slide the aerial into the straw. In the event the receiver has to be removed, the aerial will just slide out. If you can't be bothered with the straw, just BluTack the aerial directly. There are a number of options for placement:

1. Fixed to the underside of the foredeck just forward and parallel to the front of the servo tray. This is easiest to do with the servo tray removed.
2. Fixed to the underside of the starboard side deck (the receiver is likely to be on that side).
3. On DF65s with receiver positioned at the forward end of the servo tray, run the straw along the top of the keel box. Access through the small hatch to secure it in place.

Dual aerial receivers

Some receivers have dual aerials and use a process called diversity reception. The theory is that as signal fades at one aerial, it will still be strong at the other. When placing aerials for diversity receivers, you should mount aerials at right angles to each other to optimise performance.

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