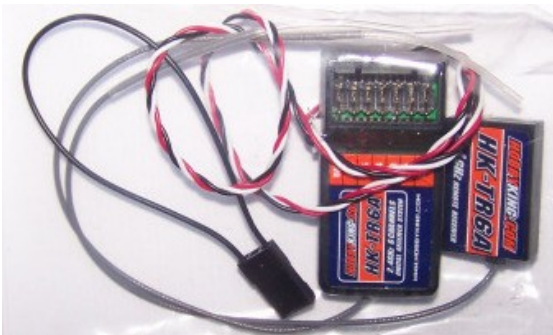# HobbyKing 2.4GHz RC System



The HobbyKing system includes the HK-T4A Mode2 4 channel transmitter and a matching HK-TR6A 6 channel receiver. These use the 2.4GHz spectrum and will seek out an unused frequency allowing many devices to be used without worrying about crystals or clashing with others.

The transmitter can be ordered as Mode 1 with the throttle on the right or, more useful for yachts, as Mode 2 with the throttle on the left. The thottle, which is channel 3 on the receiver, has no spring return and is used for the sail control. The right hand aileron stick on channel 1 is used for the boat's rudder. There are reversing switches for all four channels the setting of which depends on the servos used.
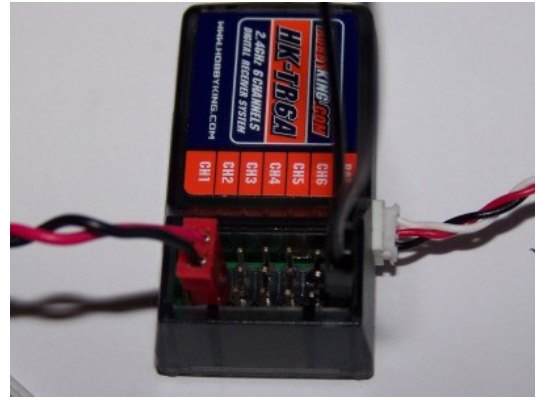


The receiver unit includes a second, remote, receiver connected by a 300mm cable. This is to avoid losing connection should the main one become blinded by some object.
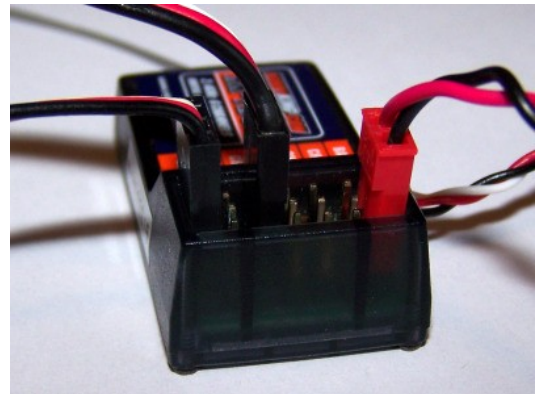
Note: version 2 has a single receiver.

## Binding the Receivers

The first task is to bind the receivers to the transmitter.



A binding plug is provided which is placed on the receiver's battery connector, the battery can be connected to any other socket. The 'Bind' button is held down while the transmitter is switched on and held for a few seconds. The receivers will flash and should show a steady light. It is important that both receivers be bound otherwise the servos may become confused by two different signal so check that both receiver's LEDs go steady.



Once bound, the bind plug is removed and the receiver connected up normally.

## Range Test

The Bind button can also be used as a Range Test as this will reduce the transmitter strength. If there is correct operation at, say, 30 paces, with the button held down (after switching on) then there should be no problem with using this for any line-of-sight distance.

## Training Mode

The set includes a socket for a trainer controller which would allow an instructor to take control of a pupil's unit should this be necessary to avoid a crash. However, I have no details on which models can act as a trainer or how the cable is configured.