

Set up hints and tips for the Viper range of speed controllers, FAQ

Q, When I switch on I get a solid red light?

A, Check that the speed controls receiver lead is plugged into channel 2, not the battery slot.

Q, Motor runs at full speed reverse when pairing 2.4G transmitter and receiver?

A, On most 2.4G systems there is a built in failsafe that sets a position for the throttle during failsafe, with flight type transmitters this is generally full back stick. In a forwards and reverse application (model boat) this needs to be reset to mid stick point (Refer to transmitter manual). The speed controller will only do what it is told by the transmitter, ie, the speed controller does not know the receiver is in failsafe mode. It will recognise this signal as a valid signal and respond accordingly. The speed controllers internal failsafe operates if there is excessive noise or an invalid signal only.

Q, Throttle goes dead at the end of the stick travel after I set the controller to my transmitter?

A, This is due to the output range of the transmitter going beyond the range that the Viper will recognise. The solution is to set the E.P.A. (end point adjustment) to 70% on the throttle channel and then reset the speed controller. This situation is similar to a rudder which travels too far, you reduce the E.P.A. to 'tune' things to work over a suitable range. If your transmitter does not have adjustable E.P.A. please contact Mtroniks.

What are we doing about this? (Honest answer!) - The new 'tio' range of marine controllers adjusts this range automatically, we can't do this with the Viper controllers due to limitations in the processor memory.