

TruSpeed SSD4 Instructions

Slot Car Solutions SSD receiver

The SCS receiver is factory set and needs no adjustment.

Instructions for use

1. Plug the channel cables of your SCS receiver into the corresponding channels on your SSD control.
2. Plug the USB cable into the USB socket on a PC, Laptop or USB supply adaptor.
(you will see all the blue LED's illuminate while it settles and then they will extinguish)
3. Once you have fitted batteries into your SSD4 controllers, turn them on and you will see the blue LED's on the SCS receiver unit light and remain illuminated. It is now ready for use.

SSD 4 Controller Instructions

There are a set of DIP switches on the back of the TruSpeed SSD4 controllers that need to be set to match the channels on the receiver. These will have been set sequentially for the number of controllers you have ordered, ready for you to simply plug in and use, but changes might be required by the customers and, depending on the model of the SSD control box, you may need to match the working voltage to 3.3V or 5V.

The settings of these switches is listed below.

The numbers referred to can be found printed on the DIP switches.

Controller ID	Switch Positions.
ID 1	SW1 off, SW2 on, SW3 on
ID 2	SW1 on, SW2 off, SW3 on
ID 3	SW1 off, SW2 off, SW3 on
ID 4	SW1 on, SW2 on, SW3 off
ID 5	SW1 off, SW2 on, SW3 off
ID 6	SW1 on, SW2 off, SW3 off
Base system voltage	
3,3V (APB)	SW4 on
5V (PB6, PB4)	SW4 off

Batteries and Charger

Due to postal regulations the controllers are not shipped with batteries.

They are AAA size and standard 1.5V.

Rechargeable AAA batteries can also be used.

There is a 2.1mm power inlet socket at the end of the handle for the optional SSD4 Charger/PSU to be plugged into. (The LED on the charger will illuminate only if the batteries need charging and will extinguish once they are charged)

This is matched for batteries of 200mA charge rate, which is a common general charge rate for Ni-Cad batteries.

To replace or fit the batteries please read the instructions below as they apply.

General Servicing Instructions

Casing halve split

1. Remove the upper handle casings by removing the 6 M2x20mm screws and nuts that hold the two halves together.

Battery fitting or replacement

1. Split the casings halves as above.
2. AAA size standard or rechargeable batteries should be clipped in to the holders noting the polarity as shown on the board.
(A picture and the notation + and - are silk-screened onto the PCB to avoid errors.)

Element removal

1. Split the casings halves as above.
2. Remove the two M2 Nuts and washers holding the element board in place.
3. Gently unplug the Element board taking care with the 3-way connector at the top right.
4. The wiper fingers and the under side of the element contacts will now be exposed for inspection and cleaning. (The element is Nickel/Gold plated, so use a gentle non-abrasive action to clean.)

Trigger removal

1. Split the casings halves as above.
2. Removed the M2x6mm countersink screw and washer from the pivot centre on the trigger. It will now be free to slide off
3. Pop the end of the return spring out of the tensioner cam arm to allow free movement of the trigger when removed.
4. Slip the trigger off the pivot and remove the other M2x8mm countersink screw and nut holding the wiper fingers to the trigger and slide the wiper fingers off the trigger. (Sometimes they are quite a tight fit over the round locating pin)
5. Fit the new wiper fingers and re-assemble in the reverse order.

Re-assembly

1. Fit the trigger back in place but not the return spring yet.
 2. plug the element board back in but don't fit the nuts and washers yet.
 3. Check that there is a spring feel trying to push the element up when you press gently down with your fingers.
 4. Holding down the element with your fingers check that the wiper fingers move freely with just the tip touching the element.
 5. Now you can fit the washers and M2 nuts to secure the element.
 6. Re fit the trigger mounting screw and washer.
 7. Re-connect the return spring
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