Installation of the Signalist SBR adapter

1. File a notch in to the front bottom of the tube of your ratio signal to match the pip in the bottom of the SBR signal base. This will aid alignment when the signal is removed and refitted.
2. Cut down the two spacing pillars with a sharp craft knife by the thickness of the baseboard.
3. Connect the servo(s) to your servo controller and set them to the 'Off' position (Clear). Note that when using two servos one will have to operate in the opposite direction.
4. Temporarily insert the signal into the base and fit the horn(s) to the servo(s) one at a time so that the signal(s) are off at the correct angle. The servo horns should bear directly on the signal activation levers, but if alignment is not perfect you can fit the shoes on to the horns to help make more reliable contact. Just clipping the servos in to the SBR should be reliable enough while setting up.
5. Once set up fit the screws to permanently secure the servos to the SBR.
6. Drill a 15mm diameter mounting hole through the baseboard where you want the signal being very careful to ensure adequate clearance. If your baseboard is more than 17mm thick (approximately ¾") to the finished surface you may have to recess the SBR in to the underside of the baseboard.
7. Fix the SBR in place with two suitable length screws (not supplied) or glue the SBR into the 15mm hole being sure that the axis of the servos is perpendicular to the track.
8. Set the servos to the 'On' position (Danger).
9. Insert the signal into the SBR.

As long as the signal is set 'On' it can just be lifted out for transport or storage. Don't try and insert the signal while either of the servos is set 'Off'.

Operation with the Signalist SC2 or SC2A controller.

Refer to the SC2 manual for full details of the capability of the SC2. Specific instructions only relating to using the SC2 with the SBR are here.

You might like to reset the servo position CVs to provide more movement than is available by default and reverse the direction of the second servo. Use the following CV values as a start when using the Signalist SC2 with the SBR base. You are unlikely to need to make further adjustments:-

CV	Recommended initial value	Function
64	50	Servo 1 On position
65	128	Servo 1 On fine adjustment
66	200	Servo 1 Off position
67	128	Servo 1 Off fine adjustment
72	200	Servo 2 On position
73	128	Servo 2 On fine adjustment
74	50	Servo 2 Off position
75	128	Servo 2 Off fine adjustment
80	50	Servo 3 On position
81	128	Servo 3 On fine adjustment
82	200	Servo 3 Off position
83	128	Servo 3 Off fine adjustment
88	200	Servo 4 On position
89	128	Servo 4 On fine adjustment
90	50	Servo 4 Off position
91	128	Servo 4 Off fine adjustment

Some command stations reverse the ‘On’ and ‘Off’ commands so you will have to adjust the values accordingly.

See the Signalist SC2 manual for additional connection options and for configuring the SC2 for more servo positions if required.