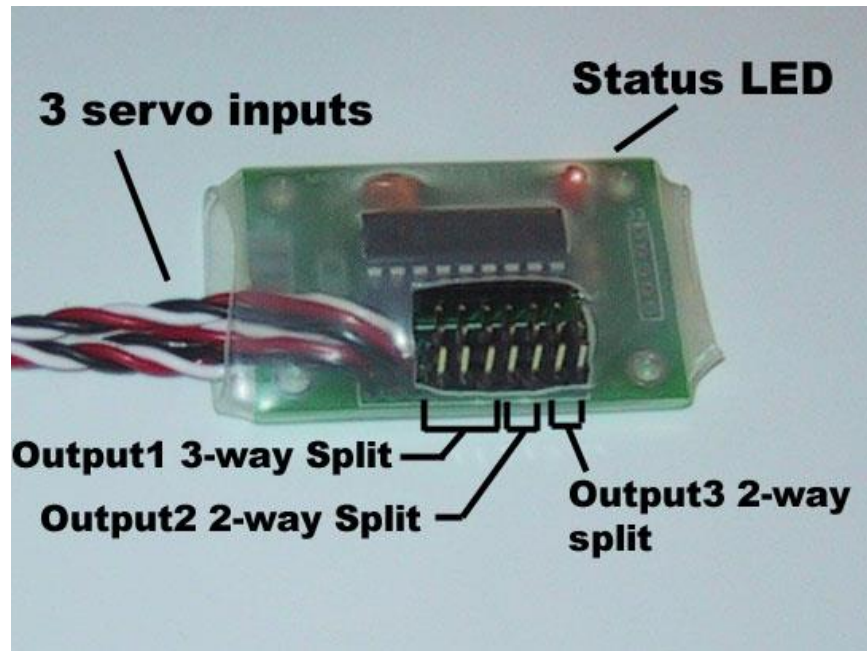


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**SB-3
Signal Booster
Users Guide**



Installation

The SB-3 can boost up to 3 RC signals. The three servo cables attached to the board are numbered 1,2 and 3 from left to right on the board. The signal from cable #1 is output on the first three output headers as shown in the photo above. The signal from cable #2 is output on the fourth and fifth output headers and the signal from cable #3 is output on the sixth and seventh output header.

Simply plug the SB-3 servo cables into your RC-receiver and plug the devices you want to control (e.g. speed controllers) into the output headers on the SB-3. All connectors should be oriented so that the ground wire (black) is near the bottom edge of the board.

If you have purchased a remote LED for your SB-3, it plugs into the two-pin connector on the top-right corner of the board. Use the included mounting grommet to mount the LED in a 1/4" mounting hole in your robot.

LED Status Indicator

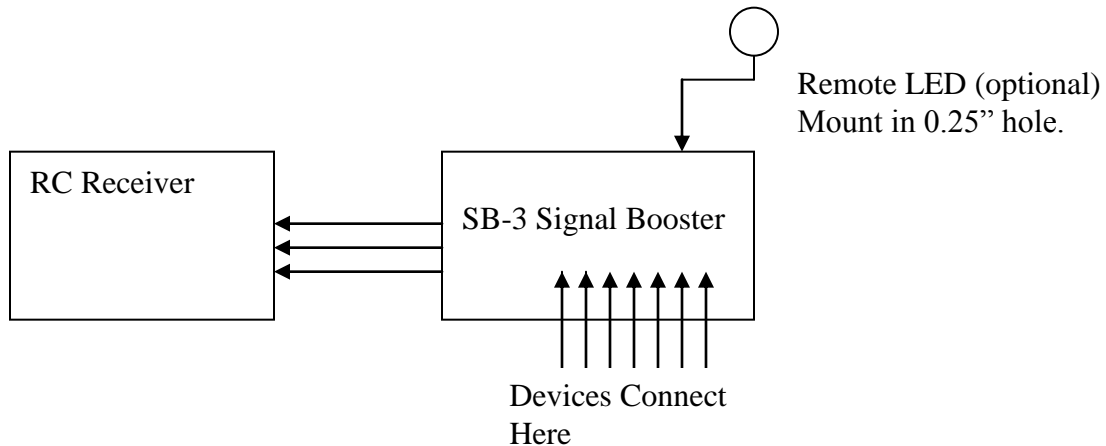
The LED on your SB-3 signal booster can be used to verify proper operation. Its behavior indicates one of the following 3 states:

LED Behavior	Signal Status
Off	No power
On – Solid	Valid signal detected
On – Slow Blinking	Invalid signal or no signal detected

The SB-3 monitors the RC signal status on its first input channel so if you are not using all three inputs, make sure you do connect input #1 to your receiver.

Also, note that if you have a PCM receiver with a programmable failsafe, once your transmitter is powered up, the receiver will continue to output a clean signal to the booster board even after you power down your transmitter thus causing the SB-3 light to stay on solid.

Wiring Diagram



Acknowledgements

Special thanks to our beta testers: Ed McKnight, and Terry Wynn! Ed, congratulations on your win in the 30lb class at LVSF5!

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