

## SPLITTER BLEND V0.1

This guide includes build notes, bill of materials, schematic, and PCB render for reference.

This is a small easy build. Connect the send and return to the FX box of your choice. Run your entire pedal board parallel to the clean sound at the beginning. Alternatively, you could add a clean blend knob to any guitar project inside the same box. Use the clean blend knob to blend the dry and wet sounds either in phase or out of phase. There is some off board wiring of the phase switch. The center lug of the SPDT switch must be wired to the tip of the SEND jack. The outer lugs of the switch go to S-0 and S-180 on the PCB. The value of the LED resistor is your choice, anything between 2k and 6k to get the desired brightness. 1N4001 is there to protect from damage when the power supply is wired backwards. You don't need the diode if you trust your wiring skills and your power supply.

## SPLITTER BLEND V0.1 BILL OF MATERIALS

3	100nF	polyester film box
4	10uf	Panasonic electrolytic 5mm
2	47uf	Panasonic electrolytic 6mm
1	100R	resistor 1/4 watt
2	22K	resistor 1/4 watt
2	470K	resistor 1/4 watt
3	1M	resistor 1/4 watt
1	RLED	resistor 4.7K?
2	TL072P	dual op-amp
1	SPDT	ON-ON switch
1	1N4001	rectifier diode DO-41 (optional)



