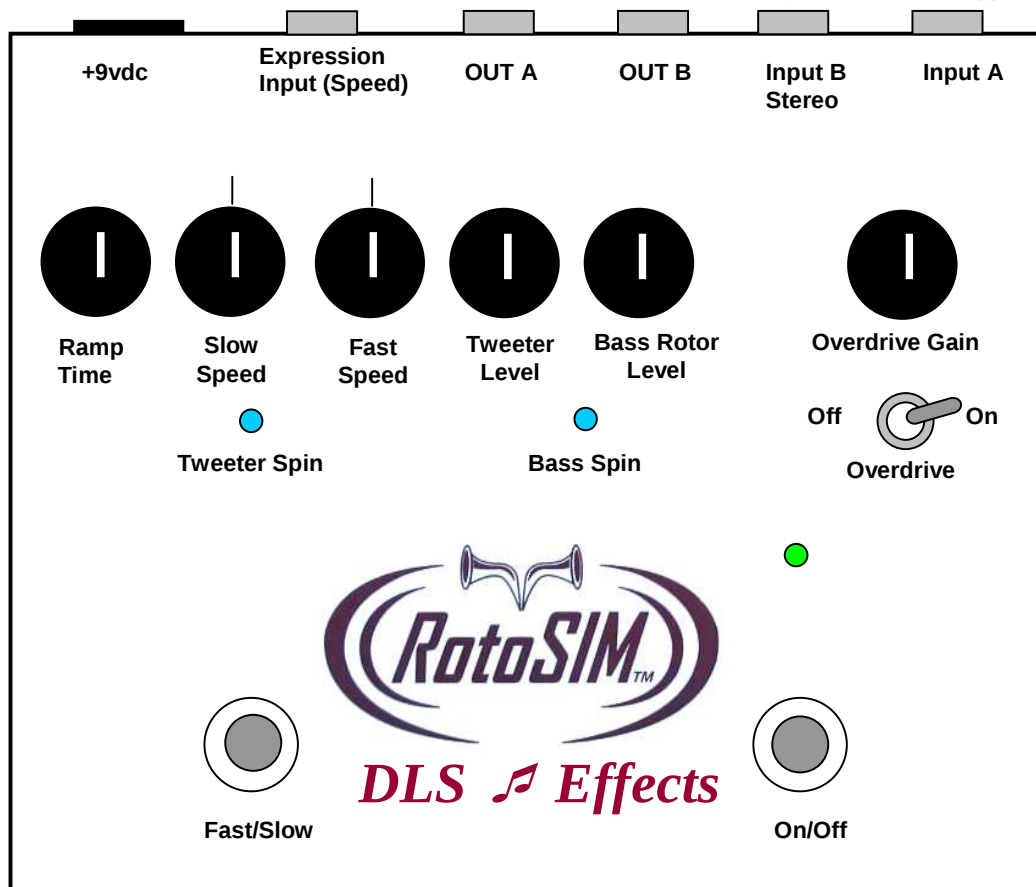


RotoSIMTM User Manual

By **DLS** *Effects*



Note1: Output A is designed to sound slightly different than Output B. OUTA is a little more transparent and truer sounding. Output B is deeper and thicker sounding. The musician can experiment with both outputs while the instrument is plugged into INA. (This also gives a nicer stereo sound spread when used in stereo).

Note2: Fast Speed and Slow Speed knobs are set at factory so 12 o'clock is the actual speed of a Leslie (knobs are offset)

Features:

Fast/Slow Switch: Select Fast or Slow speed by pushing and releasing this momentary switch

On/Off Switch: Engages the effect when On (green LED will light), True bypass when Off.

Ramp Time: Controls how long it takes to ramp up or down to the set speed (when switching from Fast to Slow, or Slow to Fast speeds)

Slow Speed: Controls Slow speed (knob factory set so 12:00 O'clock is actual Rotating speaker slow speed)

Fast Speed: Controls the Fast speed (knob factory set so 12:00 O'clock is actual Rotating speaker fast speed)

Tweeter Level: Adjusts how much and how intense the Tweeter horn is.

Bass Level: Adjusts how much and how intense the Bass horn (rotor) is.

Overdrive On – Off switch: Selects between no overdrive (clean), and internal overdrive effect

Overdrive Gain: Controls how much overdrive is added (when Overdrive is On)

Tweeter Spin LED: Blinks at the tweeter horn spin rate

Bass Spin LED: Blinks at the bass horn (rotor) spin rate

Hookup Configurations: (Mono In: Mono Out), (Mono In: Stereo Out), (Stereo In: Stereo Out)
(See hookup diagram pdf at www.dlseffects.com)

Input A: Instrument input.

Input B (Stereo): 2nd input for Stereo (When Input B is used, it is routed to OUT B. In this case the input B channel is separate from the Input A channel. The stereo image is generated from Input A and mixed with the isolated Input B.)

Output A: Output (see hookup options below)

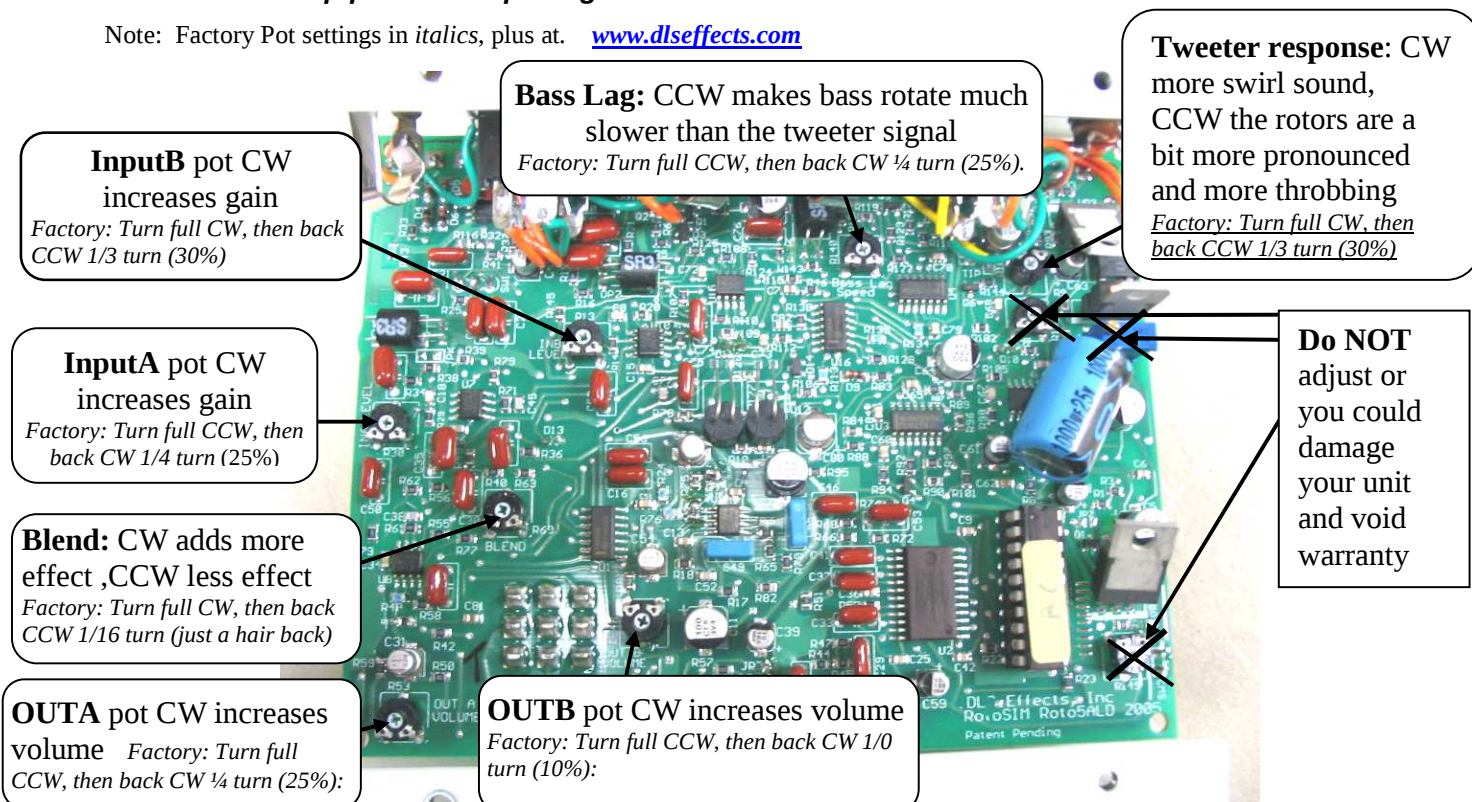
Output B: Output (see hookup options below)

Expression Input: An external expression pedal may be used to control the speed. Set the RotoSIM to Fast speed, then plug in the expression pedal. For dryer sound, set the RotoSIM to Slow speed, then plug the expression pedal in. Use a Roland EV-5 Expression, Yamaha FC7, pedal or equivalent.

Internal Adjustments: Blend, InputA, InputB, OUTA, OUTB, Bass Lag (see below)

*****Warning***** Static can destroy electronic parts. **Discharge yourself by touching a metal surface such as a water pipe before opening the RotoSIM.**

Note: Factory Pot settings in *italics*, plus at. www.dlseffects.com



Power "+9vdc": Input for 9 to 13.8vdc, 90ma minimum, 2.1mm jack, polarity does not matter. (DC adapter included)

Note: The RotoSIM requires a minimum of 9vdc to keep the effect depth at maximum. If in question, use the supplied transformer or higher voltage input within the range of 9vdc to 13.8vdc.

Technology: Hybrid of analog and digital circuitry: Hi Quality Analog (HQA) electronics, plus 16bit digital electronics

Sample rate: 44.1KHZ, 256x over sample. (analog instrument always stays analog and mixed with signal processing)

Enclosure: Solid heavy gauge steel, 5"W x 4.9"D x 2.4"H, Powder coat painted for durability!

Controls: Steel switches, pots, and 1/4" jacks

Weight: 2 1/2 lbs.

Specifications subject to change without notice. All rights reserved, DLS Effects, Inc **DLS** *Effects* www.dlseffects.com © 1/05 8-12

Warning (Please read for your protection).

Moisture & Water concerns: This product should NOT be used near water or moisture. Care should be taken so that this product does not fall into liquids and liquids are not spilled onto the enclosure. Do not use this product on a wet lawn, by a bathtub or sink, near a laundry basin, in a wet or damp basement, on wet cement, near a swimming pool, etc).

Power: If using a transformer, only use the transformer that is accompanied with the unit. If excessive heat or burning smell is discovered coming from this product or the transformer, immediately unplug the transformer and the product and contact your dealer. Rout power supply cords so they are not likely to be walked on, pinched, or damaged.

Hookup & Grounding: **Precautions should be taken so that the grounding and power of this or any product are not bypassed or altered.

Improper hookup or grounding of this product can cause injury or even death. If there is any question to proper installation and grounding, please contact a qualified electrician. For hookup information, please consult with a qualified dealer or electrician.

Service: To reduce the risk of fire or electric shock, the user should not attempt to service this product, open the enclosure, or alter the product or power transformer. For any servicing requirements, please send this product and power supply to a qualified dealer or to the manufacturer.

General: This product is heavy and should be handled with care to prevent injury. If there is any question or concern about this product or the hookup of this product, contact a qualified electrician, a qualified dealer, or the manufacturer.