



powerglide

two-speed tremolo

- The powerglide is a two speed design, featuring smooth, glitchless switching between Speed 1 and Speed 2.
- Individual Speed 1 and Speed 2 indicator LEDs (Yellow and Green) flash in time to the speed selected, even when the pedal is in the bypass mode. LEDs flash “on” in time with the volume swell to allow easy *playing in time* to slow-speed tremolo settings.
- Hardwired, True-Bypass switching with “on” indicator LED (Red).
- The powerglide features individual Depth knobs for each Speed. Depth knob 1 is for Speed 1. Depth knob 2 is for Speed 2. For example, you may desire a slow, but very **deep** Speed 1 setting. To achieve this, set Speed 1 (yellow LED) to taste, and set Depth knob 1 to 5:00 (max depth). You may also desire a fast, but **soft** warble for Speed 2, To achieve this, set Speed 2 (green LED) to taste, and set Depth knob 2 to 12:00. The individual Depth knobs provide the ability to have great contrast in depth between the two speed settings, or both Depth knobs may be set the same, for two different speeds with the same depth.
- Depth knobs (1 and 2) offer the complete range from dry-only (full counter-clockwise 7:00) to volume swell followed by complete silence, at max depth (full clockwise 5:00).
- The Volume knob allows matching the bypassed volume at any tremolo depth setting, or can provide significant volume swell over unity gain. Note: The powerglide cannot be used as a simple volume boost *with the Depth knob(s) at minimum (7:00)*.
- Three position Waveform (Brown/Black/Square) Mode toggle switch (global) affects both Speed 1 (yellow LED) and Speed 2 (green LED) at the same time. Brownface mode is deep and swaying. Blackface mode is silky smooth and even. Square-wave mode is full off/on chop at maximum depth.
- The Ramp knob allows you to adjust how quickly Speed 1 and Speed 2 *ramp* up or down from one speed setting to the other. (Similar to a Leslie, except you get to set the ramp time.)
- The Expression pedal jack (when in use) bypasses the Speed 1 knob (yellow LED), allowing full Expression pedal control of slowest to fastest speed. Use the Ramp knob as a *damping control* for smooth speed changes even with jerky Expression pedal movements. You may still footswitch to your *pre-set* Speed 2 (green LED) at any time.
- For expression control, please use only the toneczar EB Expression pedal with a ¼” TRS (stereo) cable. Do not plug anything else into the EXP jack as the stereo powerglide is voltage controlled. Do not use any other brand of expression pedal as they will not work.
- Like all toneczar products, the powerglide operates on 18 volt DC. (no batteries) This gives great headroom, with no clipping. A Dunlop 18v regulated wallwart is supplied for the USA, UK, or Europe (choose when ordering). Power jack is the standard 5.5 x 2.1 mm. center tip - negative.



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- The powerglide can be powered by any version of the Voodoo Lab Pedal Power by using a “Y” power cable and two Pedal Power outlets. Note: Set the Pedal Power DIP switch to *NORMAL*. A custom “Y” power cable can be exchanged for the supplied wallwart. Please specify this (and “Y” cable length) when ordering.
- Extremely quiet operation, even with your amp volume on “10” and your guitar volume on “0” - there will be no ticking or thumping coming from the stereo powerglide.
- Soft start, silent run, *stealth LFO* is the heart of the pedal. This low frequency oscillator (LFO) is capable of very slow to very fast speeds without becoming “glitchy” or mechanical sounding while going slow, or losing depth and “blurring” when going fast. At full slow it takes three seconds to make one cycle and full fast is 20 cycles in one second.
- No aluminum electrolytic or ceramic caps in the signal path. No internal trim pots, DIP switches, socketed parts, ribbon wire or push-on connectors. Instead, thru-plated, FR-4 epoxy glass pcb, Mil-spec components, hand soldered, hand wired, Scope Tested and Tuned.
- The powerglide is offered in two finishes, powder-coat matte black or the optional polished aluminum. (Note: This is not a “show” finish. It will be full of character, matching the rest of the toneczar product line.) These products are designed to be installed on a pedal board and stepped on, not polished with a soft cloth and admired.

SPECIFICATIONS

Input Impedance: > 500K ohms

Output Impedance: < 50K ohms

LFO speed: 0.30 hz- 20 hz

Current Consumption: 50ma. @ 18v dc

Signal to noise: 90 db

Dimensions: 5 3/4” W x 4” D x 2” H (knobs add 1” to height)

Weight: approximately 2 lbs.

features