



powerglide

two-speed analog tremolo

features & specs

- The powerglide is a two speed design, featuring smooth switching and adjustable ramping 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. The 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 (Red LED).
- 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 contrast in depth between the two speed settings, or both Depth knobs may be set the same, which results in two foot switchable speeds with the same depth. Another option is to set both Speed knobs to the same speed but both Depth knobs to different settings, this results in one pre-set speed with foot switchable tremolo depth.
- Depth knobs (1 and 2) offer the complete range from dry-only (full counter-clockwise) to volume swell followed by complete silence (in the Square wave mode) at max depth (full clockwise).
- The Volume knob allows matching the bypassed volume at any tremolo Depth setting, or can provide significant volume swell over unity gain. The powerglide's baseline Volume knob setting for unity gain will be approximately 11:00. Note: the powerglide cannot be used as a simple volume-boost pedal with the Depth knob(s) at minimum (full counter-clockwise).
- Three position Waveform (Brown / Black / Square) Mode toggle switch (global) applies to both Speed 1 (Yellow LED) and Speed 2 (Green LED). The Brown mode is deep and swaying. The Black mode is silky smooth and even. The Square-wave mode is full on/off/on/off chop at max 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. Max Ramp (full clockwise) provides 3-5 seconds to ramp up to the fast Speed setting and 10 seconds to ramp back down to the slow Speed setting.
- The Expression pedal jack (when in use) bypasses the Speed 1 knob (Yellow LED), allowing full Expression pedal control of the 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 foot switch 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 powerglide is voltage controlled. Do not use any other brand of expression pedal as they will not work.



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- Like all toneczar products, the powerglide operates on 18 volt DC. (no batteries). The recommended power supply for the US and World market is the Cioks DC-7. Do not attempt to use a 9v power supply. Power jack is the standard 5.5 x 2.1mm. center tip - negative.
- Extremely quiet operation, with your amp volume up high and your guitar volume on zero - there will be no ticking or thumping coming from the powerglide.
- Please allow a couple of minutes for your powerglide to warm up and stabilize each time you power-up before playing. Like all toneczar products the powerglide is non-linear, and a little warm-up is required.
- 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 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 15 cycles in one second.
- Built for life construction featuring full-size thru-hole components and a thru-plated FR4 epoxy glass printed circuit board that is hand soldered, hand wired, scope-tested and tuned. There are no miniature surface-mount components. No pcb mounted pots, jacks or switches. No aluminum electrolytic caps in the signal path. No internal trim pots, DIP switches, socketed parts, ribbon wire or push-on connectors. (nothing to work loose and fall apart)
- 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 - 15 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.