



stereo powerglide

two-speed, stereo in/out analog tremolo

features & specs

- The stereo powerglide is a two-channel, true stereo, two-speed design featuring smooth switching and adjustable ramping between Speed 1 and Speed 2.
- The stereo powerglide may be operated three ways:
 - 1) Mono-In / Mono-Out
 - 2) Mono-In / Stereo-Out
 - 3) Stereo-In / Stereo-Out
- The stereo powerglide features two independent foot switchable channels (A and B). Both channels may be foot switched On or bypassed at the same time (the foot switches are positioned to accommodate this). Or, foot switched independently.
- Hardwired, True-Bypass switching is featured for both channel A and channel B. Each channel features a separate ON indicator (Red LED).
- 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 settings.
- The primary Input is channel A, which features individual Depth knobs for each Speed. Depth knob 1A is for Speed 1. Depth knob 2A 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 1A 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 2A 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.
- The second Input is channel B, which features a single Depth knob B for both Speed 1 and Speed 2. This simplifies stereo operation and set-up, while still offering great contrast to channel A's dual Depth knobs. Note: for stereo-panning between two amps, initially set all three Depth knobs at 5:00 (max), then adjust to taste as necessary.
- Depth knobs (1A, 2A and B) 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).
- Individual channel Volume knobs (Vol A and Vol B) allow matching the bypassed volume at any tremolo Depth setting, or can provide significant volume swell over unity gain. The stereo powerglide's baseline Volume knob(s) setting for unity gain will be approximately 11:00. Note: the stereo powerglide cannot be used as a simple volume boost with the Depth knobs 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.



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- The Pan or Sync mode toggle switch is used Only for stereo operation with two amps. In the Sync mode, both amp 1 and amp 2 will have their volume(s) rise and fall together. In the Pan mode, amp 1 volume will be going up, and amp 2 volume will be going down. As amp 2 volume begins to go back up, amp 1 volume will begin to go back down, cross-fading back and forth between amp 1 and amp 2.
- The Phase toggle switch allows the output of channel B to be inverted. This makes no audible difference when using the stereo powerglide with just one amp. Even with two amps in stereo there is not always a huge audible difference. However, the Phase toggle switch can come in handy for correcting phase issues with two dissimilar amps for recording or mixing board applications.
- The Mute / Normal toggle switch allows the choice of muting the channel B output when foot switching channel B to the bypass mode. This can be useful in creating extra musical drama with the stereo powerglide.
- 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 1/4" 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.
- For Mono-In / Mono-Out operation, use only Input jack A (on the far right) and Output jack A (on the far left). The following are Not used for Mono-In / Mono-Out operation:
 - 1) Input jack B
 - 2) Output jack B
 - 3) Depth knob B
 - 4) Volume knob B
 - 5) Pan / Sync switch
 - 6) Phase-Select switch
 - 7) Mute / Normal switch
 - 8) Channel B foot switch
- For Mono-In / Stereo-Out operation, use Input jack A and both Output jack A and Output jack B. Both channel A and channel B foot switches are used, along with all toggle switches and knobs. The following are Not used for Mono-In / Stereo-Out operation:
 - 1) Input jack B



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- For Stereo In / Stereo Out operation, All jacks, knobs, toggle switches and foot switches are used.
- In stereo setups using two amps, it is very important to observe proper grounding of the entire rig to prevent ground loop hum or buzz. Since most amps will have a grounded power plug (3 prongs), using two amps with grounded power plugs can create a ground loop. The simplest solution is to place a 3-prong to 2-prong plug adapter on one of the amp's power cord plugs, (but not both). A completely isolated pedal-board power supply (like the Cioks DC-7) will assure that a ground loop is not created from your pedal board.
- In stereo setups using two dissimilar amps (brand, type or vintage) it is possible to have noise even with proper grounding. In this circumstance, just one amp will have hum or buzz. The amp with hum or buzz will likely have a power polarity miss-match. If the amp has a polarity switch on the back, try flipping the switch. Or, if the amp has a vintage two prong power plug, just unplug the power plug, flip the plug over, and plug it back in. If the amp has a grounded power plug, use a 3-prong to 2-prong adapter, flip it over, and plug it in. Note: some adapters have one prong taller than the other; this type won't work without grinding or filing the taller prong to the same size as the other one.
- Like all toneczar products, the stereo powerglide operates on 18v 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 stereo powerglide.
- Please allow a couple of minutes for your stereo powerglide to warm up and stabilize each time you power up before playing. Like all toneczar products the stereo 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 stereo 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.



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- SPECIFICATIONS

Channel A Input Impedance: > 500K ohms

Channel B Input Impedance: > 500K ohms

Channel A Output Impedance: < 50K ohms

Channel B Output Impedance: < 50K ohms

LFO speed: 0.30 hz - 15 hz

Current Consumption: 80ma. @ 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