



halophaze

two-speed analog phaser

features & specs

- The halophaze is a two-speed design; it is Not a two-pedals-in-one design. Speed 1 cannot be set as a phaser and Speed 2 as a univibe.
- The halophaze features two independent foot switchable speeds, 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 halophaze is in the bypass mode.
- The halophaze features two independent Mix knobs, providing Speed 1 and Speed 2 with individual phase depth. Deep phase shifting requires an equal mix of dry and effected signals, this is achieved by setting the Mix knobs at 12:00. Mix settings clockwise of 12:00 will have more vibrato. Mix settings counter-clockwise of 12:00 tend to be more subtle.
- Dual Phase / Vibe Mode toggle switches apply to both Speed 1 and Speed 2 (global). The Phase / Vibe Mode switches may be placed up or down in any combination. Both switches up provide classic phase voicing. Both switches down provide univibe voicing. For unique voicing place one of the switches up and the other switch down.
- The Plus / Normal Mode toggle switch (global) provides more variety. The Plus Mode adds more phase-shift stages, resulting in a deeper, more vocal sound. The Normal Mode is the original halophaze sound, which in contrast is less vocal and more chewy.
- The Feedback knob (global) has a 12:00 center detent. In the center detent feedback is completely off. Turning the Feedback knob clockwise adds positive feedback, which enhances the phasing peaks and notches. Turning the Feedback knob counter-clockwise adds negative feedback, which results in a resonant filtered effect - very good with bass guitar.
- The Width knob (global) adjusts how wide the sweep range is from low to high, which affects the overall phase character. For classic phase shifting, set the Width between 9:00 and 11:00 o'clock. For more univibe throb, set the Width between 11:00 and 3:00. For wilder phase sounds, set the Width to Max.
- The Volume knob allows matching the bypassed volume regardless of the Mix, Feedback, and Width settings. Unity gain is approximately 11:00
- The Ramp knob allows you to adjust how quickly Speed 1 and Speed 2 ramp up and 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.
- Direct Out and Effect Out jacks - the halophaze is primarily a Mono-In / Mono-Out design. Stereo-Out operation is possible by using the Direct Out jack to one amp, and the Effect Out jack to a second amp. Turn the Mix knob full clockwise (100% effect). The result is the classic two-amp, wet / dry rig.



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- Hardwired, True-Bypass switching with ON indicator (Red LED).
- 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 halophaze is voltage controlled. Do not use any other brand of expression pedal as they will not work.
- Like all toneczar products, the halophaze 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 sweep noise coming from the halophaze.
- Please allow a couple minutes for your halophaze to warm up and stabilize each time you power-up before playing. Like all toneczar products the halophaze is non-linear, and a little warm-up is required.
- The soft-start, silent-run LFO (low frequency oscillator) is capable of very slow to bubbly fast speeds. This unique LFO creates a phase sweep which is not mechanical sounding and will not lose depth at slow speed settings. At full slow, it takes ten seconds to make one cycle. Full fast is ten 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.
- The halophaze 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: 0.1 hz - 10 hz
Current Consumption: 70ma. @ 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.