



angelbaby

echoczar modulation device

- The angelbaby is an echoczar accessory, which provides a foot-switchable third Delay Time setting with adjustable wow and flutter (modulation), complete with three unique chorus voices.
- The angelbaby does not use batteries or even have a power jack, as it is powered by the echoczar through a connecting ¼" TRS (stereo) cable. For tightest pedalboard clearance use a TRS cable with right-angle plugs. The Modulation Output jack is located on the angelbaby's left side. For pedal board placement purposes, a TRS cable 6" to 8" long will place the angelbaby on the echoczar's right side. A TRS cable 14" to 16" long will place the angelbaby on the echoczar's left side. However, TRS cable length is not critical, as no audio signals are present (only voltage). Note: The angelbaby cannot be used with any other product, only the echoczar, and must be connected to the echoczar's Expression jack for Delay 2 (yellow) Delay Time.
- The angelbaby's Delay time knobs are larger and taller, so they can be adjusted with your foot without disturbing your other knob settings.
- The angelbaby's Delay 3 (modulation mode) features the same vast range of delay time as the echoczar with only the Repeats chorused. The dry signal is not mixed with the chorused signal making the angelbaby effect very different from a standard chorus.
- When the angelbaby is connected, the echoczar's Delay 2 (yellow) Delay Time knob is completely bypassed, transferring control of the echoczar's Delay 2 (yellow) delay time to the angelbaby. The angelbaby's foot-switch selects between Delay 2 (yellow) and Delay 3 (modulation mode with red LED indicator).
- The red LED indicator will come on and flash in time to the angelbaby's Rate setting when Delay 3 (modulation on) is selected by the angelbaby's foot-switch. The echoczar's Delay 2 indicator LED (yellow) will begin flashing to the exact tempo of the Delay 3 (modulation on) Delay Time setting. When the angelbaby is foot-switched back to Delay 2 (angelbaby's red LED off), the echoczar's Delay 2 indicator LED (yellow) will return flashing to the exact tempo of the Delay 2 (modulation off) Delay Time setting. In summary, the echoczar's yellow LED will flash to the exact tempo of either Delay 2 or Delay 3, whichever is selected by angelbaby foot-switch.
- The angelbaby offers Expression pedal control of the echoczar's Delay 2 (yellow) delay time, and is operational when the angelbaby is foot-switched to the Delay 2 mode (angelbaby's red LED off). The Expression jack is located on the angelbaby's right side. Note: Use only the toneczar EB Expression pedal with a ¼" TRS (stereo) cable. Please do not plug anything else into the angelbaby's Expression jack, as the angelbaby is voltage controlled.
- The Depth knob offers the wide range of depth necessary to accommodate the echoczar's available delay time. For example, long delay time settings (500+ ms.) require minimal Depth settings (to avoid extreme pitch shifting), while short delay time settings can utilize near maximum Depth settings.
- The Rate knob adjusts the speed of the sweep from slow (one complete sweep every three seconds) to fast (15 sweeps in each second). Note: Slow Rate settings require less Depth to avoid excessive pitch shifting. Fast Rate settings require increased Depth settings. The Rate, Depth, and Delay Time controls are all interactive with each other. Wild pitch shifting can be obtained with a combination of long Delay time, max Depth and slow Rate.



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- The Voice Mode toggle switch makes the angelbaby especially unique. Each setting gives the angelbaby a different sound. Solo (single voice) provides the most traditional chorus sound when combined with short Delay Time settings. Using the echoczar's Vintage/Modern, Echo/Delay or Multi-head Modes just adds to the variety. Duet (two voice) provides more pitch variation and sounds very good at fast Rate settings (approx 7 hz). Trio (three voice) provides a string ensemble sound, very complex. Use with fast Rate and long Delay Time settings.
- The soft start, silent run, low frequency oscillator (LFO) provides silent operation for the echoczar/angelbaby combination. There is no ticking, thumping or sweep noise, even when not playing.
- No aluminum electrolytic or ceramic caps in the signal path. In addition, there are no trim pots, socketed components, internal DIP switches, ribbon wire, push-on connectors, pcb mounted pots, or jacks. The angelbaby features a thru-plated, FR-4 epoxy glass pcb with Mil-spec components that are hand soldered, handwired, scope-tested and tuned.
- The angelbaby is offered in two finishes, powder-coat matte black or the optional polished aluminum. Note: This finish is designed for durability. It 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

LFO speed: 0.30 hz -15 hz

Current Consumption: 22ma. @ 18v dc.

Signal to noise: 90 db

Dimensions: 3 ¼" W x 4 ¼" D x 2" H

(knobs add 1" to height)

Weight: approximately 1lb.

features