



With separate analog and digital paths to get best of both worlds, this retro inspired echo/delay effect will warm up your tone. An all analog signal path, featuring a high quality opamp which improves audio signal fidelity, is used for the best reproduction of your dry signal. Two digital recording devices, along with carefully tuned analog filtering, placed in parallel with the analog dry path give you the most ambient echo unit you have ever heard. From 130ms to 720ms of delay time via m/sec knob or up to 1 full second via tap tempo footswitch into three divisions (quarters, dotted eighths and triplets) plus the ability to max out the repeats (oscillate) by pressing the tap footswitch constantly. To mimic all the variations and imperfections of a motor or adding a smooth chorus/vibrato on the repeats we have also added a subtle modulation that you can switch on/off and control its rate/intensity easily via the mod knob. Choose between true bypass and a pristine buffered bypass with delay trails.

Controls:

m/sec: adjust the delay time from 130ms to 720ms. The delayed signal gets degraded at higher delay times.

mix: set the amount of the wet (delayed) signal.

feed: adjust the number of repeats. Maxed up the pedal will oscillate.

tone: brighten or darken the delay repeats.

mod: set the rate/intensity of delay trails modulation.

- fully counter-clockwise the effect is off. As you turn the knob clockwise the modulation simulates the warble of a motor in lower settings and becomes faster and more intense like a smooth vibrato on higher settings.
- mod rate and intensity depend on delay time (m/sec) settings, minimum delay time settings have less modulation

bypass footswitch: bypass or engage the effect.

- an internal switch lets you choose between true bypass (relay) or buffered bypass with delay trails. Unscrew bottom plate and locate the small slide switch near the output jack. Use a small screwdriver to set in T position for true bypass or B position for buffer bypass with delay trails.
- when in buffer bypass mode make sure not to max out feed knob as the oscillation will continue in bypass.

tap/hold footswitch: set the time between the repeats according to the tapped tempo. The last two taps will be stored to give the desired tempo. Tap tempo ranges from 130ms to 1 full second.

- use the divisions toggle switch to choose the function of the tapped tempo between quarter, dotted eighths and triplets. If the tap time is out of limits on each setting of the division toggle switch the previous tap will be stored.
- hold down the tap footswitch constantly to maximize feedback and cause delay oscillation. Release the footswitch for normal operation.

Power supply: external 9-12V DC power supply (- center, + ring). Max current consumption 84mA @ 9V DC. We suggest using a high quality, isolated and properly stabilised and filtered power supply for best results. Using a power supply of +15V DC or more may cause severe damage to your pedal and void warranty.

Warranty: Crazy Tube Circuits effects come with 5 years warranty. We will provide service/repair at no cost for all internal parts during this period. This warranty excludes damages done due to buyer's misuse or improper handling. Buyer will be responsible for all shipping costs and additional duties, customs taxes and fees that may apply.

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