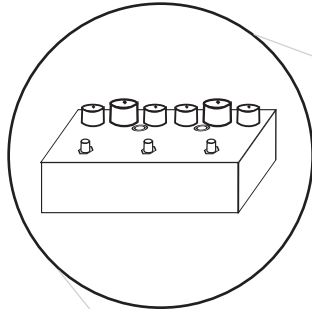




# echoczar

## analog stereo delay

## instruction diagram



### TIPS :

Delay 1 (Green) - use this channel for your short delay setting  
Delay 2 (Yellow) - use this channel for your long delay setting  
switch between the two settings at any time with the Delay 1/2 foot switch

add feedback/self-oscillation at any time with the Feedback foot switch if feedback runs away from you turn the Safety knob clockwise in small increments until the feedback is controlled and becomes a pad (or drone) the same Safety setting will provide a reasonably predictable feedback response for both Delay 1 and Delay 2

the echoczar may be used in a well-designed effects loop, but front-of-amp applications are preferred, and far easier to get the desired sonic results

Actual Size:  
4 1/4" deep  
7 1/2" wide  
2 1/4" tall

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**EFFECT OUT PHASE-SELECT (switch)**  
useful in correcting or creating a focused or wide stereo image when using two amps or when using both channels of a single amp like a Fender Twin Reverb

**EFFECT OUT MUTE / NORMAL (switch)**  
one amp: leave switch in the Normal position  
two amps: when switched to Normal the Direct Out and Effect Out jacks feature hardwired, true-bypass switching when switched to Mute, the Direct Out jack features hardwired, true-bypass switching but the Effect Out jack will be muted when foot switched to bypass

**REPEATS**  
1 repeat at Min  
feedback/self-oscillation at Max

**MULTI-HEAD MODES (center off switch)**  
add to either the Vintage or Modern Mode  
Global - affects both Delay 1 and Delay 2  
**REVERB** - sustains the repeat and adds reverb  
**S-BACK** - adds slapback prior to main repeat  
effect will vary with Delay Time settings  
Warning: will self-oscillate with Repeat knob on Max in either Multi-Head Mode

**CHANNEL INDICATOR LEDS**  
(Green or Yellow)  
flash to the exact delay time setting (tempo)

**MIX 1 & MIX 2**  
individual Mix knobs allow each channel (Delay 1 and Delay 2) to have a separate mix for two amp (stereo) applications, the Mix knobs allow any amount of delayed signal to be sent to the Effect amp from 100% wet (delay only) to any mixture of delay and dry  
Dry amp receives 100% dry signal from the Direct Out jack

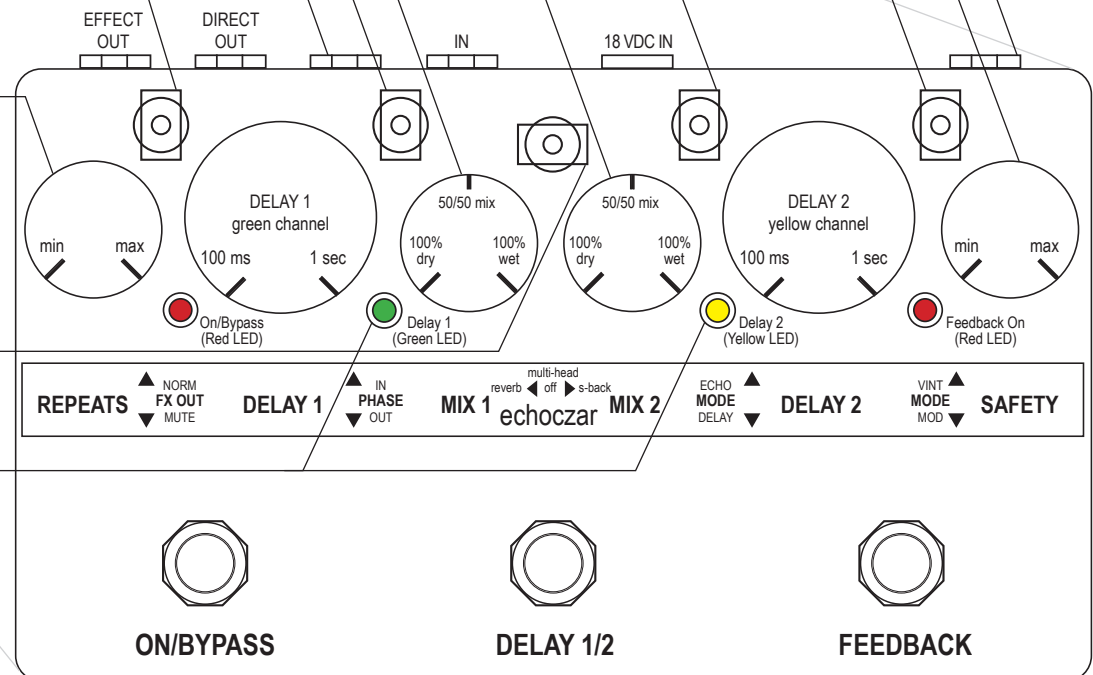
**EXPRESSION PEDAL INPUT**  
controls number of repeats for both Delay 1 and Delay 2 or use a channel insert cable to access the delay path effects loop

**EXPRESSION PEDAL INPUT**  
controls Delay 2 (Yellow) delay time

**SAFETY**  
active only in the Feedback Mode  
wild feedback/self-oscillation at Min  
dampened feedback/self-oscillation at Max

**VINTAGE / MODERN MODE (switch)**  
Vintage Mode - 100ms to over 1 second, warm and thick  
Modern Mode - 50ms to over 750ms, brighter with more detail

**ECHO / DELAY MODE (switch)**  
Echo Mode features repeats which decay in a natural manner, with soft feedback  
Delay Mode features repeats which can go on and on with choppy feedback



ON/BYPASS

DELAY 1/2

FEEDBACK

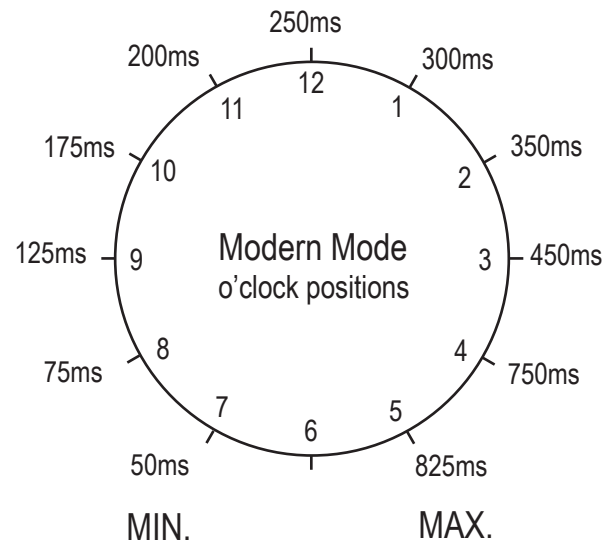


# echoczar

analog stereo delay

clock position to millisecond conversion chart

## Modern Mode



## Vintage Mode

