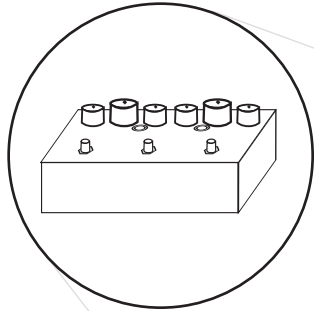




# echoczar

## analog stereo delay

### instruction diagram



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 footswitch

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

may be used in an amp's effects loop  
 Parallel loop - set Mix at 100% wet  
 Series loop - set Mix at 50/50

may be used either before or after distortion but delay after distortion is usually preferred

**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 footswitched to bypass

**REPEATS**  
 1 repeat at MIN  
 feedback/self-oscillation at MAX

**MULTI-HEAD MODE (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

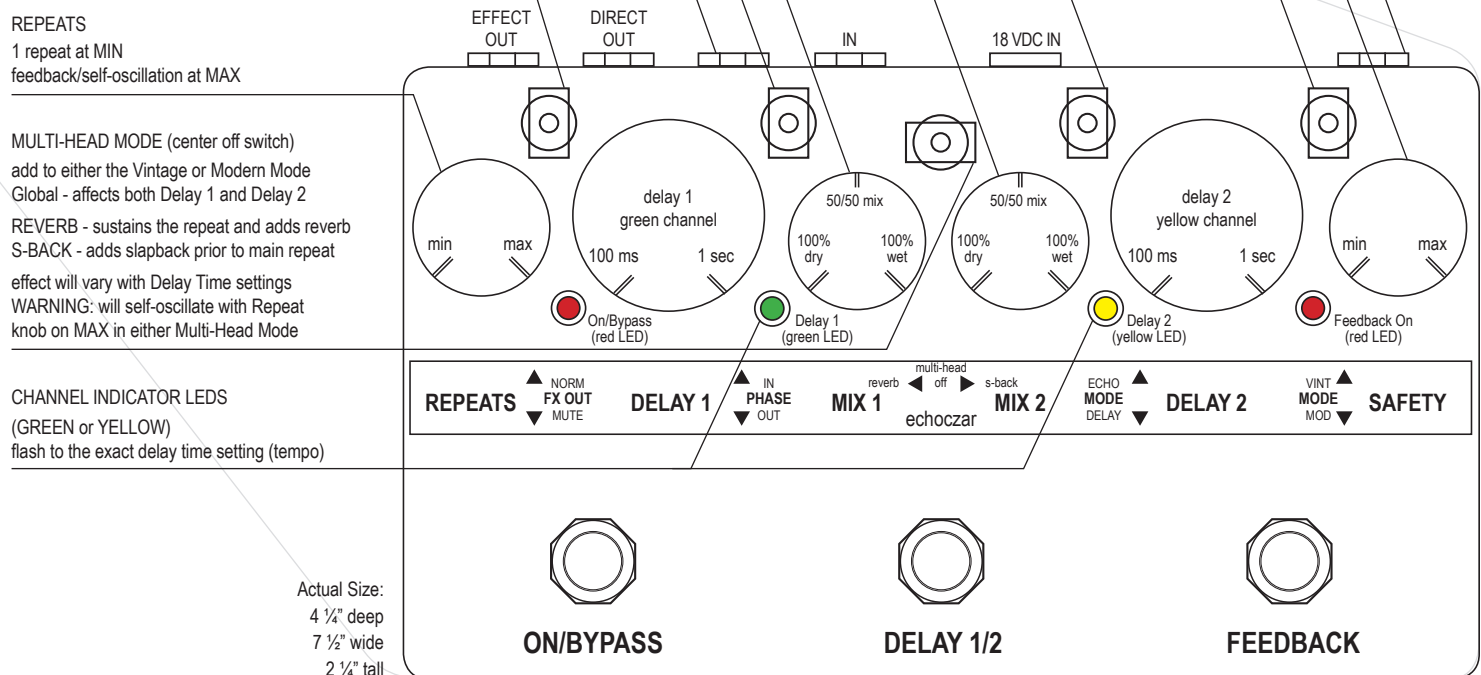
**EXPRESSION PEDAL INPUT**  
 controls number of repeats for both Delay 1 and Delay 2 or use a channel insert cable to access the delay path effects loop

**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



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

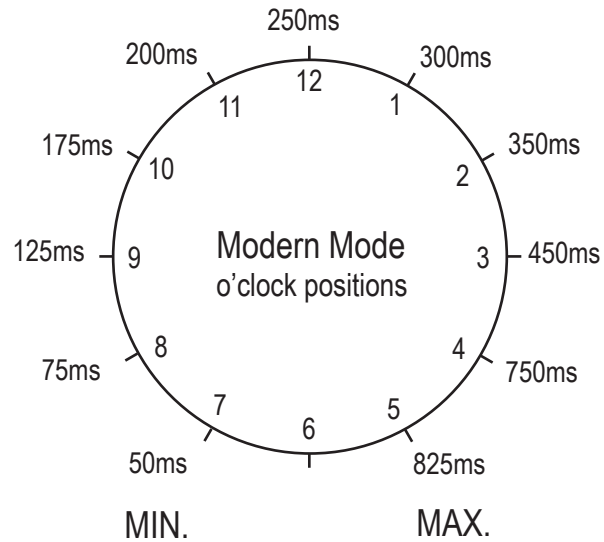


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analog stereo delay

clock position to millisecond conversion chart

## Modern Mode



## Vintage Mode

