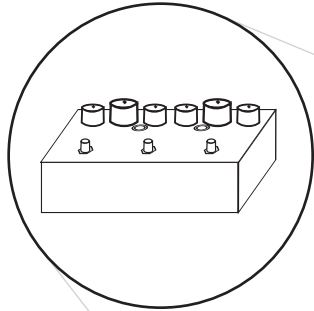




# echoczar

## analog stereo delay



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 any time with the "Feedback" footswitch. If feedback runs away from you, hit the "Feedback" footswitch (not the bypass) and dial in a little more "Safety" knob. The same safety setting will provide reasonably predictable feedback response for both a "Short" and "Long" delay setting

May be used either before or after distortion. Use Vintage Mode in front of a high gain amp. For beautiful distorted echoes, place your distortion pedal after your Echoczar

May be used in an amp's effects loop  
Parallel Loop - set mix at 100% wet  
Series Loop - set mix at 50-50

### MULTI-HEAD MODE (SWITCH)

add to either the vintage or modern mode  
Global - effects both Delay 1 and Delay 2  
M-Sb: adds slapback prior to main repeat  
M-Rv: sustains the repeat and adds reverb

Effect will vary with delay time settings

WARNING: will feedback with repeat knob on "max" in either multi-head mode

### REPEATS

1 repeat "min"  
8 to 10 repeats "max"

### EXPRESSION PEDAL INPUT

controls number of repeats for both Delay 1 and Delay 2

### EFFECT OUT PHASE-SELECT (SWITCH)

useful in correcting or creating a focused or wide stereo image when using 2 amps or when using both channels of a single amp like a Fender Twin Reverb

### MIX

individual mix knobs allow each channel (Delay 1 and Delay 2) to have a separate mix. Very useful when using Delay 1 for slapback and Delay 2 for long delay.

when using two amps (stereo), the mix control allows any amount of delayed signal to be sent to Amp 2 - from delay only (100% wet) to any mixture of delay and dry.

Amp 1 will receive dry only from the direct out jack

### EFFECT OUT MUTE/NORMAL (SWITCH)

useful when using two amps in stereo switched to "normal" in the bypass mode - direct out and effect out are true bypass, hardwired to the input jack

switched to "mute" in the bypass mode - direct out is true bypass, but the effect out is muted

Leave switch in "normal" position when using 1 amp mono

### ECHO/DELAY MODE (SWITCH)

Echo Mode has repeats which decay in a natural manner.  
Delay Mode has repeats which can go on and on.

EXPRESSION PEDAL INPUT controls Delay 2 (yellow) delay time

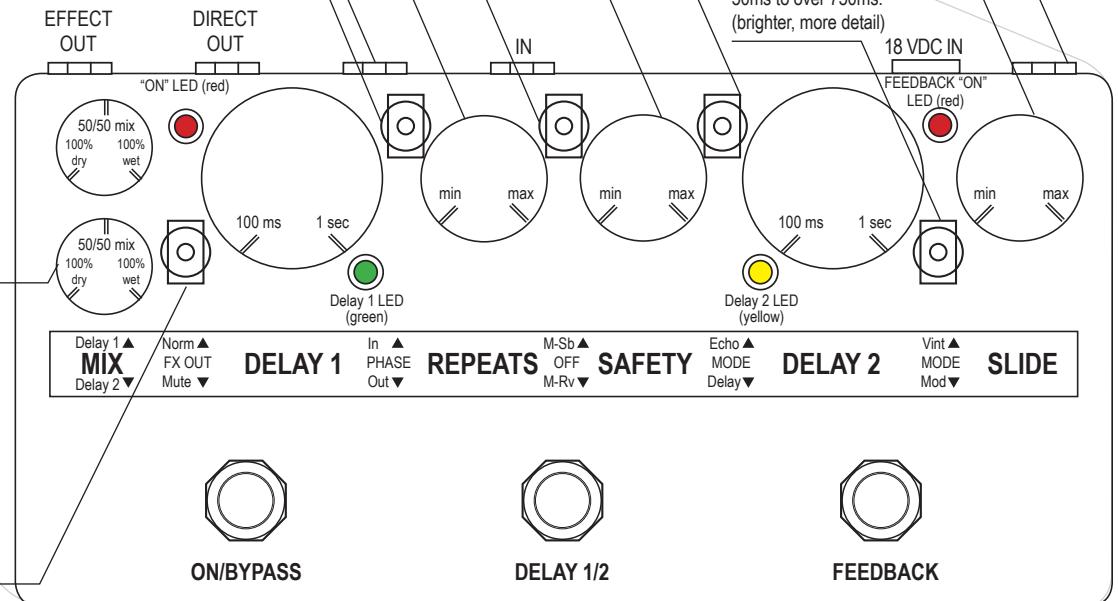
SLIDE near instant "switch" between delay times on "min" Slide approximately 5 seconds of pitch-shift madness on "max" setting

### SAFETY

Active only in feedback mode  
Wild "UFO" feedback on "min"  
Feedback suppressed on "max"

### VINTAGE/MODERN MODE (SWITCH)

UP FOR VINTAGE - 100ms to over 1 sec. (warm and thick)  
DOWN FOR MODERN - 50ms to over 750ms. (brighter, more detail)

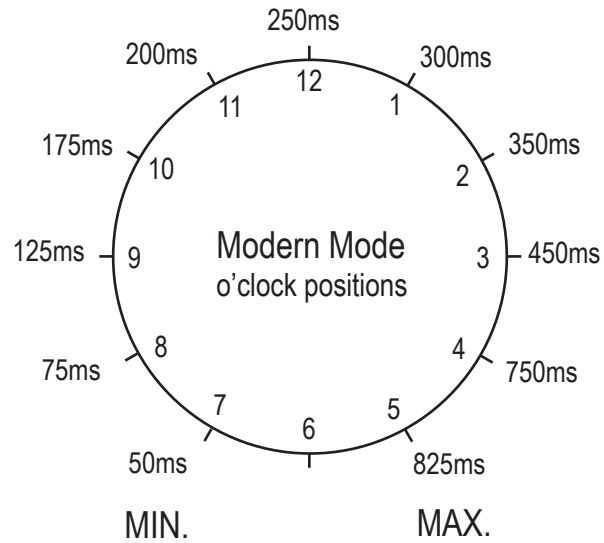




# echoczar

clock position to millisecond conversion chart

## Modern Mode



## Vintage Mode

