



Diamond TREMOLLO

OPERATING INSTRUCTIONS



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The Diamond Tremolo employs an opto-isolator at the heart of its circuit to provide the familiar amp style tremolo of the 1960's. But this is the 21st century so we've expanded this classic sound in new and exciting ways by integrating digital controls! The Diamond Tremolo also features a secondary tremolo circuit based around a FET that provides a sharp edge, completely killed, tremolo effect. With the way this circuit chops your signal, we've coined it the CHOPPER.

ADVANCED FEATURES

LEDs will flash twice after the LED power-up sequence to indicate a mode change.

MOMENTARY | LATCHING MODE

The INSTA-CHOP and DOUBLER can operate either in:

Momentary | Only on while its footswitch is held down

Latching | Toggled on and off when its footswitch is held down

Hold down the ON|CHOP or TAP|DBL footswitch during the LED power-up sequence to change its respective operation.

INSTA-CHOP - MODE LED - **Momentary** || **Latch**

DOUBLER - TAP Div. LED - **Momentary** || **Latch**

GEEZER MODE

Geezer mode disables the secondary footswitch functions for those seeking maximum simplicity. In order to engage Geezer mode, hold the TAP|MODE toggle switch down during the LED power-up sequence.

TAP Div. and MODE LED - **Geezer** || **Normal**

DEPTH AND DUTY

This pedal stores 3 DEPTH knob settings: normal depth|duty, INSTA-OPTO depth, and INSTA-CHOP duty. To change one of these values, the pedal must be in that state and the depth knob must be adjusted - in momentary mode, hold down the CHOP footswitch while adjusting the depth knob.

DICER MODE - 11th Pos. on RHYTHM Knob

Turn the TAP|DBL footswitch into a killswitch by engaging the CHOPPER only while it's pressed or held down. As such, there is no tap tempo or DOUBLER in this setting; set the speed and duty cycle using their respective knobs. Rhythmic patterns also can be selected by simultaneously holding down the TAP|DBL footswitch and turning the Rhythm control to the desired pattern.

TREMOLO CONTROLS

OUTPUT JACK

Send audio to your amplifier or next pedal from here.

POWER INPUT

Connect your 2.1mm, negative tip, 9V, DC, power source here.
Current Draw: 21mA

INPUT JACK

Send audio from your instrument to here.

VOL KNOB

Sets the output level when the pedal is engaged.
Note: increased depths will generally require more volume.

SPEED KNOB

Sets the rate of volume modulation.
Note: the rate can also be set using the TAP|DBL footswitch.

RHYTHM 11-Pos KNOB

Selects between Depth, Mode, and Tempo accents or engage DICER Mode.

DEPTH KNOB

Sets the amount of volume attenuation in the OPTICAL modes.
Sets the duty-cycle, ratio of ON | OFF, in CHOPPER mode.

TAP|MODE TOGGLE SWITCH

Click ^ to cycle through tap subdivision.
Click v to intensify the tremolo effect.

TAP
MODE

Center is 50 | 50.
CCW less CHOP | CW more CHOP

MODE LED

OPTO Sine|Smooth & Even
OPTO Shark Fin|Asymmetric
OPTO Square|Hard & Even
FET CHOPPER || Kill Switch

TAP DIV. LED

Quarter Note | 1:1 | ♩
Eighth Note | 1:2 | ♪
Dotted Eighth Triplet | 1:3 | ♪
DOUBLER || Cycle Colours

ON | CHOP FOOTSWITCH

Turns the pedal on and off by tapping.
Engages the INSTA-CHOP when held down, swapping from OPTO > CHOPPER and CHOPPER > OPTO Sine

ON
CHOP

TAP | DBL FOOTSWITCH

Sets the speed of the effect by averaging consecutive taps.
Engages DOUBLER when held down to Double current tempo.

RHYTHM KNOB's 11 POSITIONS

Mode Accent – Swap the current mode from OPTO to CHOPPER or vice versa

Depth Accent – Half the current depth

Tempo Accent – Double the current tempo

DICER – Manually trigger the CHOPPER only when the TAP is held

