

ELECTRIC VIBE



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User Manual

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KNOB CONTROLS

LEVEL: sets the output level of the effect. The LEVEL knob can also boost or attenuate the effect signal quite significantly.




SPEED: sets the rate of the LFO

DEPTH: sets the intensity of the LFO

SWITCH CONTROLS

DRY ON/OFF: this turns on or off the DRY signal. DRY ON setting puts the pedal in PHASER mode while DRY OFF setting puts the pedal in VIBRATO mode

WAVE: 3 types of waveforms are available

- SINE 
- TRIANGLE 
- PULSED 

When sine wave is selected the LFO is triggered only when you start picking. This allows in-time sync of the modulation and is most effective with low SPEED settings.

ENVELOPE LEVEL also affects the triggering of the SINE wave.

ENVELOPE SPEED: move the toggle UP to turn on ENVELOPE SPEED. When ON the SPEED of LFO reacts dynamically to the intensity of your picking.

ENVELOPE DEPTH: move the toggle UP to turn on ENVELOPE DEPTH. When ON the DEPTH of LFO reacts dynamically to the intensity of your picking.

When ENVELOPE SPEED or ENVELOPE DEPTH are ON you can use the SPEED and DEPTH knobs for setting the basic LFO parameters.

FNCT: is a multi-function micro switch used to

- Invert the ENVELOPE
- Access the knobs secondary functions
- Toggle GATE ON/OFF when SINE wave is selected
- Reset knobs secondary functions parameters
- Set BIAS of the internal LED

INVERT the ENVELOPE

With the effect ON (blued LED ON) short press FNCT switch to invert the envelope. The status LED will blink to indicate the ENVELOPE is inverted. The ENVELOPE INVERT functions is only active with ENVELOPE SPEED or DEPTH turned ON.

KNOBS SECONDARY FUNCTIONS

[DECAY]: sets the decay time of the envelope. Turn CW for fast decaying time, turn CCW for slow decaying time. Default setting is in the middle position.

[ENVELOPE LEVEL]: sets the envelope level. Default setting is in the middle position.

To access secondary knob functions:

- Turn the effect ON by pushing the BYPASS footswitch, status LED will turn blue
- Long press **FNCT** micro-switch until the status LED turns RED
- Move DECAY or ENV. LEVEL to the desired positions
- Long press **FNCT** to store settings, status LED will turn blue again

DECAY and ENV. LEVEL settings are only updated and stored if each corresponding knob is turned. While in “secondary function mode” you can play to check how they affect sound.

Settings are stored in the internal memory.

IMPORTANT: when you enter the SECONDARY FUNCTIONS mode make sure that both DEPTH and SPEED knob are not set at zero (full CCW) or you may enter the BIAS setting mode. See section below for BIAS setting.

RESET SECONDARY FUNCTIONS

You can reset DECAY and ENVELOPE settings by:

- Turning effect OFF (status LED OFF)
- Long press FNCT, status LED will blink




CTRL IN jack input

The CTRL IN is a multipurpose input to allow connection of:

- EXPRESSION pedal
- switch for TAP tempo
- switch (or relay control) for remote BYPASS

Only one of them can be used at a time and selection is made internally by a dip-switch. The default setting is for EXPRESSION. To change the settings remove power cable from the Electric Vibe (to avoid accidentally damage it by shorting some parts of the circuit), remove the bottom panel, locate the DIP SWITCH (it's found in the lower left area) and change the switch settings as follows:

It's always best to connect the EXPRESSION pedal with power cable disconnected!

EXPRESSION		Default setting
TAP TEMPO		Requires a momentary normally open footswitch
BYPASS		You can use either a momentary or latching footswitch or control from a relay

The tap tempo only needs 2 pushes to set it.

The remote bypass allows to have the internal preamp always ON

SINE wave triggered by input signal (GATE)

By default when sine wave (🌀) is selected (wave toggle switch UP) the LFO modulation starts when input signal is detected. You can turn off or on the gate trigger by:

- Set pedal in bypass mode by engaging the bypass footswitch, main LED will turn OFF
- Short press FNCT button and red LED will blink a few times

Setting is saved and loaded at next power on.

BIAS setting

BIAS of the internal LED which drives the internal photoresistors is pre-set at manufacturing time for best performance and don't need to be set again. However you can modify it with the following procedure:

- Turn the effect on (blue LED ON)
- Turn both SPEED and DEPTH knobs to zero (fully anti clockwise)
- Long press FNCT button and main LED will turn purple
- Move SPEED around mid position
- Turn DEPTH knob UP until you can hear the modulation and adjust while playing
- The best setting can vary from unit, just listen where the modulation gets more intense and keep adjusting with DEPTH knob
- Once satisfied long press FNCT again to save current BIAS setting

While setting the BIAS it's best to set DRY to ON (cause modulation is more noticeable), wave to TRIANGLE (center position of the toggle switch) and turn OFF the envelope switch.

If by accident you enter the BIAS mode setting: remove power cable and power pedal again.

If by accident you erased the default BIAS setting (it's pretty noticeable cause the modulation doesn't work anymore...) don't panic! Follow the above steps to set bias again.

POWER SUPPLY:

Powering: 9V DC with center pin negative DC Jack 2.1mm (BOSS™ standard)

Current absorption: 115mA

The pedal doesn't tolerate voltages higher of 9V although it's internally protected to withstand them.