

VOLANTE

— Magnetic Echo Machine —

KNOBS

TIME

Controls the delay time at head 4. Heads 1-3 subdivide proportionally according to the **SPACING** setting. Delay time ranges vary by selected **SPEED** setting.

half: 400ms - 4s

normal: 200ms - 2s

double: 100ms - 1s

MECHANICS

Controls the amount of mechanically related speed fluctuations and media irregularities including friction, creases, splices, and contaminants.

REC LEVEL

Controls the analog gain of the signal fed into the record head.

LOW CUT

Controls the low frequency shaping of the echo repeats.



WEAR

Controls the wear of the media which affects the fidelity of the high frequencies. Set to minimum for a fresh, full bandwidth sound.

SPACING

Adjusts the spacing between the heads. Turning the knob morphs the heads in between the marked settings.

REPEATS

Controls the feedback amount for the heads that have their feedback enabled.

ECHO LEVEL

Sets the overall delay signal level sent to the output.

SPRING

Controls the output mix of the integrated spring reverb tank. Reverb is applied after echo.

SPACING CONFIGURATIONS

Diagram illustrating the spacing configurations for the heads (1, 2, 3, 4) during playback:

- even:** Four individual notes, one for each head.
- triplet:** Three notes grouped together for each head, with a bracket above them.
- golden:** Golden Ratio spacing, resulting in dense, non-overlapping echoes.
- silver:** Silver Ratio spacing, resulting in non-overlapping repeats biased toward the quarter note.

Many Volante controls have secondary functions. See complete user manual for details.

BUTTONS AND SWITCHES

TYPE

Selects between three available magnetic media types.

drum: Steel wire spinning platter. Atmospheric echoes emphasize the low-mid frequencies and will saturate with hot signals or high feedback.

tape: Magnetic tape used in vintage echo machines. Warm tape response with moderately clean and airy signal path.

studio: Clean studio grade tape used in reel-to-reel units.

playback

Selects which of the individual playback heads are engaged.

Head Volume: Press and hold for one second to toggle between half and full volume.

GREEN LED ON = full volume.

AMBER LED ON = half volume.

SPEED

Affects the fidelity and mechanical response of the selected **TYPE**. Changing the **SPEED** switch will also result in a proportional change to the delay range of the **TIME** knob.

DELAY TIMES

The delay time is determined by a combination of two factors: the distance between the record and playback heads and the speed of the media. The distance is determined by the **TIME** knob. The **SPEED** switch selects the speed of the media.

feedback

Enables or disables feedback of the corresponding playback head signal to the record head.

Panning: Turn the **TIME** knob while pressing and holding the individual **feedback** buttons to adjust the panning for each playback head. Adjusting the knob to twelve o'clock returns the head to the center position (the **playback** button will light up **RED**.)



FOOTSWITCHES

ON

Engages and disengages effect. Press and hold for infinite repeats.



FAVORITE

Volante allows you to store and recall eight presets without connecting MIDI or external devices. The **FAVORITE** footswitch gives you access to three different functions.

RECALL ACTIVE FAVORITE: Press the **FAVORITE** footswitch once to engage the active onboard preset.

CHOOSE ACTIVE FAVORITE: While holding down the **FAVORITE** footswitch, the **playback/feedback** buttons represent preset locations. Press one of these buttons to select the active Favorite.

SAVE TO A PRESET LOCATION: Press and hold the **FAVORITE** footswitch until it flashes **BLUE**, then release the footswitch. Now you can select any of the eight **playback/feedback** buttons and the preset will be saved to that location. To exit without saving press the **TAP** footswitch.

TAP

Sets quarter note delay time for playback head 4. The **TAP** LED will flash to indicate the delay time in quarter notes.

SOUND ON SOUND LOOPER MODE

Press and hold **splice (TAP)** to enter SOS looper mode. The **ON** LED will turn **AMBER**.

Loops are created using the **splice** footswitch. Press **splice** once to start loop recording, again to close loop and start playback. Press once more to clear the recorded loop.

Press **pause (FAVORITE)** momentarily to stop the loop. Press and hold **pause** to stop and start the playback of the loop with added ramp up and ramp down effect.

Press **reverse (ON)** momentarily to reverse playback. Press and hold **reverse** to enter infinite mode which disables the record head and continuously plays the most recent loop-length audio without degrading.

CONNECTIONS

INPUTS

High impedance audio inputs. Use **LEFT IN** for mono input. Connecting a jack to the **RIGHT IN** will automatically set the pedal to output in **STEREO**.

INPUT MODE

Sets the **INPUT** level. Use **INST** with guitar level input. Set to **LINE** when using Volante in the effects loop of a guitar amp, or when driving Volante with a hot output from a synth or mixer insert.

WHAT'S IN THE BOX

- Volante Pedal
- One (1) 9v power supply
- One (1) USB Cable A-Male to Mini-B
- Four (4) rubber feet
- Quick Start Guide
- Strymon sticker

OUTPUTS

Audio signal outputs. Use **LEFT OUT** for mono output. See complete user manual for additional details.

USB

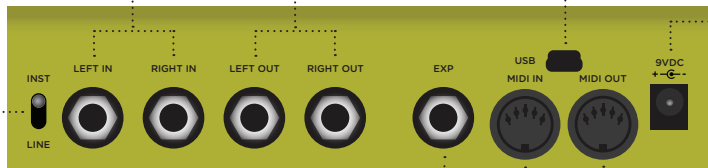
Used for connecting to a computer for controlling via MIDI.

POWER

Use included power supply or any adapter with the following rating: 9VDC center negative. 300mA minimum.

MIDI

Full featured MIDI input and output supporting MIDI CCs, program changes, etc. See complete user manual for additional details.



EXP

Can be set to work in one of the following modes. See complete user manual for additional details.

Expression Pedal mode: Allows continuous control over knobs with expression pedal.

External TAP mode: Allows use of an external MiniSwitch to control the TAP tempo.

Preset mode: Access to three presets using MultiSwitch Plus or MIDI controller.

Speed mode: Allows remote control of the **SPEED** switch using MultiSwitch Plus.

Transport mode: Access to transport controls using MultiSwitch Plus.

FACTORY RESET

Press and hold the **ON** footswitch while powering on the unit. Sweep the **TIME** knob from left to right twice. The **FAVORITE** LED will turn **AMBER** when full left and **RED** when full right. All three LEDs will flash **RED** when unit resets. **NOTE:** This will replace all presets with the factory defaults.

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