



**-VAPOR TRAIL-
ANALOG DELAY
USER'S GUIDE**

**S Seymour
Duncan®**

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VAPOR TRAIL

ANALOG DELAY

We'd like to thank you for making the Seymour Duncan Vapor Trail Analog Delay a part of your tone quest.

The Vapor Trail is a true analog delay pedal using Bucket Brigade chips, which gives it an authentic, vintage sound with extra warmth. We designed the circuit so repeats are clear and full of presence.

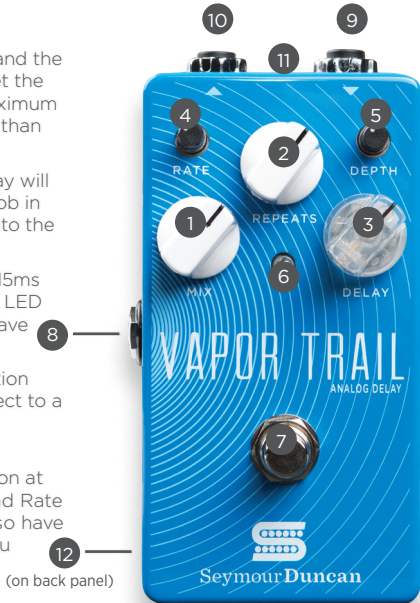
In addition to great tone, The Seymour Duncan Vapor Trail has Rate and Depth modulation controls right on the top panel for easy adjustments. You can quickly dial in sounds ranging from subtle chorus to sea sick warble.

The Wet Insert Jack on the side allows several useful tonal tools. You can send the Wet (repeat) signal out to a flanger, chorus or other modulation effects for totally new tonal textures. You can plug in a standard volume/expression foot pedal to activate the Wet (repeat) level from none, to your standard setting, to full runaway repeat madness. Lastly, you can use it to send both wet and dry signals to your amplifiers or multi-channel studio setup. The wet signal will come from this side jack, while the dry signal will come from the regular output jack. Imagine the possibilities.

To round out the special features on this unit, we've made the Delay knob translucent with a cool blue LED that flashes to indicate the delay time you have selected - especially handy when playing live!

HOW IT WORKS

- 1 Mix** - Sets the blend between your dry signal and the wet, delayed signal. This control allows you to set the mix from fully dry to more than 50% wet. At maximum wet setting, the first echo is actually 3dB louder than the dry signal.
- 2 Repeats** - Varies the number of times the delay will repeat, from once to runaway train. With this knob in the full clockwise setting the repeats will swell into the sound of a flying saucer!
- 3 Delay** - This knob sets the delay time, from a 15ms slap all the way to a 600ms long delay. The blue LED will flash in time with whatever delay time you have set. You'll always know where you are.
- 4 Rate** - Controls the rate at which the modulation oscillates, from a slow, sweeping, chorus-like effect to a high-speed rotary type spin.
- 5 Depth** - This control dials in how much the modulation affects the sound, from no modulation at all to mind-bending dive bombs. The Depth and Rate controls are very dependent upon each other, so have fun experimenting with the variety of sounds you can get from all the combinations of settings available at your fingertips.



HOW IT WORKS (cont.)

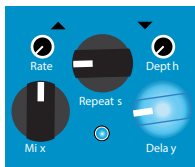
- 6 Status LED** - Indicates when the Vapor Trail is active. LED is on when the unit is engaged, off when in true bypass mode.
- 7 True Bypass footswitch** - Activates the pedal. Note when the pedal is off, the circuit from your guitar's signal runs via a hardwired connection from the input jack to the output jack for True Bypass operation.
- 8 Side Wet insert Jack** - This can be used 3 ways.
 - Send your wet signal to any other pedal or chain of pedals for additional modulation of the repeats. Use a stereo Y adaptor with a "tip-send/ring-return (TRS) connector on one end. Plug the TRS male plug into the Wet Insert Jack on the Vapor Trail. Plug the other ends into your In and Out jacks on you other pedal. Having fun devising unique tones!
 - Activate the wet signal from a volume type foot pedal, or even an expression pedal. Again, use a patch cable with a "tip-send/ring-return' connector.
 - Separate wet and dry outputs for stereo, or special recordings. Your wet signal will come from the side Wet Insert Jack, again with a TRS connector. The standard Output Jack on the end of the Vapor Trail will be the Dry send. Note in this setup, the Mix knob has no effect on the signal going to the Output Jack. Blending will be controlled by the level of your stereo amps or channel faders.
- 9 Input Jack** - Plug in your guitar or other pedal cable here.
- 10 Output Jack** - Run a cable to the input of your amp or to the next effect.
- 11 Power Jack** - You can use any 9V-18V regulated DC adapter (negative polarity center terminal)
- 12 Easy Access Battery door (located on back panel)** - When not in use, save your battery life by removing your guitar cable from the Input jack.

GETTING STARTED!

1. Put a fresh 9v battery in, or plug in any 9v regulated DC power supply with a negative polarity center terminal.
2. Run good quality, unbalanced, shielded guitar cables from your guitar to the input jack, and from the output jack to your amp's input or to the next pedal on your pedal board.
3. Start with the Mix, Repeats and Delay knobs at 12 o'clock and the Rate and Depth knobs fully counter-clockwise (no modulation). Set your amp level appropriately.
4. Engage the Vapor Trail Analog Delay by pressing the footswitch - the LED will come on when it's active.
5. Set the Mix knob to a setting that gives you the balance you want between original dry signal and delay effect, then start experimenting with the controls. If you want to control the Wet/Dry mix with an expression pedal, plug the pedal into the Insert jack, crank the Mix up to full, and vary the mix with the pedal. Try different combinations of Delay time and Repeats settings, then start dialing in some modulation using the Rate and Depth controls. You won't hear any modulation effect until the Depth control is brought up. Different Rate settings will also affect how much or how little of the modulation effect you can hear, so have fun experimenting!

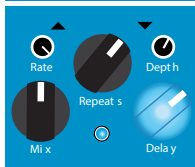
SAMPLE SETTINGS

The Vapor Trail Analog Delay can produce a dizzying array of effects from subtle shimmer to alien invasion. These settings are just a few examples of what this unit can do.



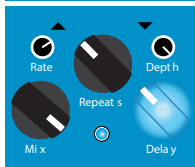
Slap Happy

The slap-back delay is one of the most commonly used delay effects, giving a subtle thickening to the overall sound. It adds solid punch to power chords and depth to articulate solos.



Run to the Edge

Need we say more. Start picking some eighth notes and hear the magic!



Vibro-Delay

Classic long delay with light modulation gives an atmospheric vibrato effect.



Sparkle & Shine

Light, airy delay with a lush and ambient trail off.



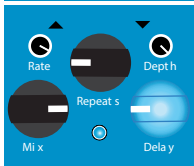
Long and Liquid

Heavier amount of classic delay that hangs in the air long enough to play off of.



Dark Side

Classic delay and modulation warmth, reminiscent of classic tape delay sounds.



Rotating Speaker

Rich, modulation delay that delivers the classic rotating speaker vibe.

VAPOR TRAIL

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SPECIFICATIONS

Type of Circuitry: Analog Bucket Brigade Devices (BBDs) supported by modern low-noise analog electronics. No microprocessors or digital signal processors.

Bypass: True bypass

Delay Range: 15ms to 600ms. Actual delay time indicated by flash rate of illuminated delay time knob.

Dry Gain: 1dB fixed

Wet Gain: Adjustable from muted to +3dB. At the highest blend settings, the first echo is actually louder than the dry signal.

Repeat Control Range: One repeat to runaway repeats

Modulation Rate Range: 0.2Hz to 4 Hz

Modulation Depth Range: Zero to "over the top"

Auxiliary Functions: Wet channel insert loop, allows external effects to be applied to only the wet signal. Also serves as a wet-only output for wet/dry stereo or studio use.

Dry Frequency Response: <-1dB @ 10 Hz and 100 kHz

Dry Distortion: 0.002% at 250 Hz, 1V RMS output

Dry Noise Floor: -100dBV at output, 400Hz to 20kHz with input unplugged

Wet Noise Floor: -90dBV at output, 400Hz to 20kHz

Input Impedance: 1 Meg (active); open (bypassed)

Output Impedance: 1K ohm

Power: Internal 9V battery or external 9V-18V regulated power supply.

Current Consumption: 11mA typical

Dimensions: Chassis size 2.61" x 4.90" x 1.45" (W x L x H)

Weight: 0.8lb. without battery

COMMITMENT TO QUALITY AND COMMUNITY

Seymour Duncan takes pride in designing and crafting our products to create the most amazing sound possible. Our Made in the USA label designates that the products are designed in Santa Barbara, California and manufactured in the USA with quality parts sourced in the United States and around the world.

With everything we create, our passion and obsession for amazing sound is reflected in its quality and reliability.



LIMITED WARRANTY

Seymour Duncan offers the original purchaser a one-year limited warranty on both labor and materials, from the day this product is purchased. We will repair or replace this product, at our option, if it fails due to faulty workmanship or materials during this period. Defective products can be returned to your USA dealer, international distributor, or sent direct to our factory postage prepaid along with dated proof of purchase (e.g., original store receipt) and RMA number. Call or email our factory for an RMA number, which **must be written on the outside of the box**. We reserve the right to refuse boxes without an RMA written on the outside.

As you might expect, this warranty does not apply if you've modified the unit or treated it unkindly, and we can assume no liability for any incidental or consequential damages which may result from the use of this product. Any warranties implied in fact or by law are limited to the duration of this express limited warranty.

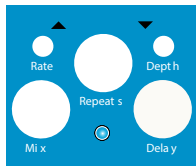
DISPOSAL GUIDELINES

In the unlikely event that you ever need to dispose of this product, it must be disposed of properly by handing it over to a designated collection point for the recycling of waste electronic equipment. Please contact your local household waste disposal service or the shop where you purchased this product for those locations. Thanks for helping us conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

FCC COMPLIANCE

This Device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference including interference that may cause undesired operation.

PERSONAL SETTINGS



USER NOTES

WHAT WE STAND FOR

We stand for great tone:
It's the heart. The soul. The essence. The
core of the sound.

We stand for musicians. Because soul
matters. Spirit matters. Music matters.

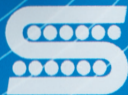
We stand for quality. We're an American
original. An industry leader. And we're
always innovating.

We stand by our work. Our passion. Our
history. It's in everything we build. In
everything we touch.

We stand for great tone. Music. Power.
Heart. Soul. Tone. It's who we are. It's
what we do.

We are Seymour Duncan.





Seymour Duncan

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