

TECHNICAL SPECIFICATIONS

Dimensions	120x127x53 mm
Weight	450gr.
Enclosure material	Alluminio, die cast
Input Impedance	700 kOhm
Output Impedance	470 Ohm
Min-Max Time	60-850 ms in "Echo" mode
Exp. Pedal for "Motor Speed" control	50-100 kOhm voltage divider connected (es. Korg EXP-2)
Pedal for "Feedback" activation	Momentary or Bistable
Signal switching	True-bypass
Supply voltage/ Power consumption	9Vdc/ca.700mW (I-max= 80mA @9Vdc)
Power connection/ground type	Negative tip/negative ground



*Finest musical gear
handmade in Italy*



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Ms. DELAYETTE Operating Manual

Tefi Vintage Lab is pleased to welcome you to our family. We hope you enjoy using our new Ms. Delayette analog tape voiced echo/reverb. Feel free to get in touch for any suggestions or clarifications as to how you might best use the effect. Play music and enjoy using our products!

Mistress Delayette - Analog Tape Voiced Echo

The soul of a veteran magnetic echo today lives on enclosed in a modern boutique pedal. Mistress Delayette, queen of Germanic beauty in the 60s and today an elderly but still very attractive, symbolizes the still current charm of the echo and reverb sounds typical of vintage magnetic units such as the Binson Echorec, Echolette NG51S, and Maestro Echoplex EP-1. In the machines of that period, high fidelity repetitions was sought; because of their mechanical nature, without accurate and constant maintenance, these effects tend to have pro-

blems related to the tape dragging, that generate their unique and distinctive sounds. The TEFI Vintage Lab research team has created an echo/reverb pedal effect with a Hi-Fi response, but with the possibility of being altered by simulating the aging of the machine with the WOW and FLUTTER commands that are completely analog and specially calibrated to obtain maximum realism of reproduction. Two modes of operation, the classic Echo and the Nachhall, where a second virtual reproduction head is added, multiplying the repetitions similar to the multiple reflections of many walls where each one characterized by a different response. The Nachhall mode is useful for reverb and slap back echo effects. It is possible to connect two external controls: an expression pedal to change the frequency of repetitions (motor speed), while a switch-momentary pedal can trigger instantaneous self-oscillation (feedback). Ms. Delayette will take you to unexplored worlds, with natural sound, versatility, and a wealth of functions.

CONNECTION AND USE

- **Connecting to instrument and amplifier/gear:** Connection to instrument and amplifier/gear: connect your instrument (or gear effects chain) to the Input jack on the pedal's right side with a 6.3mm Jack instrument cable. Connect the output jack on the pedal's left side to an amplifier (or to the next effects in your chain) with a 6.3mm Jack instrument cable.
- In addition to the signal input and output jacks, there are two 6.3mm isolated jacks dedicated to the following functions:
 - **External Motor Speed control:** Motor Speed control: to be connected to an expression pedal connected to a potentiometer with a recommended internal value between 50 kOhm and 100 kOhm, for the best ease of adjustment. The insertion of the Jack excludes the relative "motor speed" control knob on the pedal.
 - **Feedback:** instantly activates the Feedback. Connect a momentary or bistable switch.
- **Power supply:** connect a 9V stabilized external power supply adapter to the pedal's power connector located on the right side (5.5mm connector with 2.1mm pole type). Do not reverse polarity! (external positive, internal negative). In the presence of reversed polarity the pedal will not power up; no damage will be caused below 25V reversed polarity.

CONTROLS AND FUNCTIONS

MOTOR SPEED: turning it clockwise increases the number of repetitions per second, simulating the speed adjustment of tape drive mechanics. The time ranges from a minimum of 60ms to a maximum of 850ms.

REPEATS: regulates the number of repetitions and decay over time. By turning the knob clockwise, feedback can be triggered around the full CW knob position.

LEVEL: adjusts the output level of the effect (Wet) mixed with the original signal (Dry).

STONE: adjusts the brightness of repetitions, also influencing the final tone of the Feedback effect. By rotating completely CCW you can get velvety repetitions and dark feedback, while rotating it clockwise makes the repeats become brighter.

WOW: regulates the depth of the relative periodic modulation effect, which simulates one or more deformed/damaged motion transmission wheels. The effect achievable is similar to a chorus and gives a three-dimensional effect to the sound.

FLUTTER: adjusts the depth of the homonymous effect. Flutter modulation has a random-statistical trend and simulates the tape dragging difficulties, typical of deteriorated mechanics.

Toggle switch "WARPED WHEELS": in combination with the WOW effect, you can choose whether to simulate a single deformed transmission wheel ("IDLER") or more defective gear ("MULTI"), with a different final effect.

Toggle switch "MODE": select the operating mode. In "ECHO" mode you have the classic echo with single playback head, in "NACHHALL" mode you add a virtual head that presents a different response from the rest and multiplies the number of repetitions, obtaining Slapback Echo sounds. Adding a dose of WOW and FLUTTER modulations you can achieve a real reverb.

The pedal is equipped with a LED indicator that blinks in sync with the repetition frequency in "Echo" mode.

"KillDry" dip-switch: to access KillDry dip-switch, remove the bottom cover by unscrewing the 4 screws. The KillDry allows to exclude the direct signal of the instrument (Dry) from the output, hence is no longer mixed with the processed signal (Wet). This function is useful when you need to use Ms. Delayette in a send/return effects loop of a mixer or into a amp/chain of effects arranged in parallel. If the switch is set to "ON", the normal Dry+Wet mix is available at the output, moving the switch to "OFF" only processed signal (Wet) will be available. Act gently, using a small screwdriver to prevent damage to the dip-switch.

TEFI Vintage Lab invites you to activate the warranty within 10 days of the purchase of the product. It is necessary to connect to our website www.tefivintage.com and, on the page describing your product, fill in the required form in the "register product" section. TEFI Vintage Lab products are covered by a 5-year warranty. If the user finds an anomaly due to component defects and erroneous assembly, please contact us by sending an e-mail to info@tefivintage.com, describing the problem encountered in detail and the circumstances in which it was verified.

In compliance with the regulations defined in the following clauses, TEFI Vintage Lab undertakes to repair the instrument with no additional costs.

1. Warranty is valid for 5 years. Does not include parts subject to wear such as jacks, switches, potentiometers, dip-switches, 9V battery clip or 9V battery holder, nor does it include aesthetic parts such as knobs.
2. Warranty does not extend to damage caused by inexperience or negligence in the use of the effects pedal, or bad/neglected maintenance.
3. TEFI Vintage Lab undertakes to replace at its own discretion the malfunctioning or incorrect manufacturing parts, only after a careful check and verification of bad construction.
4. In the presence of incorrect use of the warranty, shipping costs will be charged to the user.
5. During the warranty period, the replaced parts/products become the property of the manufacturer.
6. This warranty is only valid for the original purchaser who has followed the normal maintenance instructions described in this manual. Our warranty liability expires at the moment the original owner surrenders ownership of the product, or modifications are made to it.
7. Warranty does not include damage caused by excessive stress, such as the use of the product after the detection of an anomaly, the use of inappropriate methods of operation, as well as the failure to observe use and maintenance instructions.
8. The manufacturer assumes no responsibility for any difficulties that may arise in resale or use abroad due to the provisions in force in the country where the product was sold.
9. The product part of the defective unit must be delivered to TEFI Vintage Lab for replacement, otherwise the replaced part will be charged to the buyer.
10. Any product repair or modification by the user or by companies not authorized by TEFI Vintage Lab will invalidate the warranty.

EU DIRECTIVE AND DISPOSAL

TEFI Vintage Lab products are designed to comply with the standards laid down by EU directives regarding safety and the environment. Pursuant to Legislative Decree No. 49 of March 14, 2004 "Implementation of Directive 2012/19/EU on waste electrical and electronic equipment (RAEE)".

The crossed-bin symbol indicates that the product, at the end of its useful life, must be separately collected from other waste.

The user must therefore confer the equipment with the essential components at the end of their life to the appropriate collection centers for electrical and electronic waste.

