

TECHNICAL SPECIFICATIONS

Enclosure material	Aluminium, die-cast
Dimensions	120x95x55 mm
Weight	440 gr.
Input sensitivity	Nominal -10 dBu, Max -5 dBu
Input impedance	470 kOhm
Output impedance	1 kOhm
Bass Cut turnover frequency	1.1 kHz
Filter Range	1.5-3.5 kHz
Signal switching	True-bypass (relay)
Supply voltage	9Vdc/80mA
Current absorption	
Power connection/Ground type	Negative tip/negative ground, Tip 2.1 mm



*Innovative music gear
created by
two Nerds in Italy*



tefivintagelab.it

MALINCONIA Operating Manual

characteristic sounds of analog media and transmissions today triggers a unique sensation: the "malinconia" (melancholy). Malinconia analog Lo-Fi machine was designed to relieve in the modern era sensations that only people who lived in the past felt. The controls were designed to emulate characteristics and imperfections of all analog recording and signal amplification techniques permitted by the technology of the time. On the one hand, the mechanical limitations created hiss and periodic/random modulations while on the other the cheap electronic designs did not allow high fidelity recording and reproduction. Other colors were introduced for physical supports and speakers with limited response and power. A guitar, a synthesizer, a modern recording; connect any source and it's immediately melancholy!

TEFI Vintage Lab is pleased to welcome you to our family. We hope you enjoy using our new Malinconia - Analog Lo-Fi machine. 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!

Malinconia - analog Lo-Fi machine

The memory of our childhood years, of holidays at the seaside, accompanied by the nasal sound of a megaphone that spread across the beach, our grandfather listening to football matches from a croaking transistor pocket radio while the noise from our aunt's record player made it difficult for the music to be perceived. The hours spent by the seashore listening to the Walkman with its meows and rewinding the tape with a pen to save the batteries. The memory of the past takes us back to those fantastic years where everything was more complicated, but life offered unique emotions. Listening again to those cha-

CONNECTION AND USE

- **Connecting to instrument and amplifier/gear:** connect your instrument (or gear effects chain) to the Input jack on the pedal's top-right side with a 6.3mm Jack instrument cable. Connect the Output jack on the pedal's top-left side to an amplifier (or to the next effects in your chain) with a 6.3mm Jack instrument cable.
- **Power supply:** connect a 9Vdc-200mA minimum stabilized external power supply adapter with 5.5x2.1mm connector (standard positive barrel, negative tip) to the pedal's power connector located on the pedal's top-center side. Pay attention to don't reverse the polarity: in this case the pedal will not power up. Anyway, no damage will be caused up to 25V reversed polarity.

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.

CONTROLS AND FUNCTIONS

WRP. dpt: adjusts the depth of the periodic out-of-tune WARP effect, typical of a warped or off-center vinyl record or Edison cylinders and deformed/damaged motion transmission wheels.

WOB. dpt: adjusts the depth of the random out-of-tune WOBBLE effect, typical from audio cassettes played on a poor quality tape recorder, fluctuating in pitch. This effect, due to wear and construction of the recorder, was even more noticeable in the low speed microcassettes, used in dictaphones and answering machines.

SPEED: adjusts the speed of both WOB and WRP modulators. From WRP side, the minimum speed emulates the modulation typical of a 45" warped vinyl. The relative speed between WOB and WRP controls has been calibrated to combine the effects of wow and flutter in a realistic way, as happens on electromechanical devices.

FILTER: adjusts the cut-off frequency of the VCR modulated filter. It acts as a resonant-low-pass filter and regulates the response emulating the Lo-Fi sound that can be heard while listening an Edison phonograph, a portable record/cassette player, a dictaphone with microcassette, a vintage tube radio and many other old devices.

BASS cut: adjusts the amount of low frequency cutting. Rotating clockwise the sound becomes thinner, helpful to reproducing the old ratio speakers, phonograph and gramophone horns response.

NOISE: adjusts the level of the analog calibrated noise generator equipped inside the pedal, designed to emulate the crackle and hisses of a worn vinyl, damaged audio tapes and interfered transmission in AM radio.

PWR. lvl: adjusts the saturation point of the tube-amp final stage circuit emulator. The maximum tube-amp delivered power is obtained when the knob is full counter-clockwise, where no signal distortion will be achieved while respecting the input sensitivity reported on the specs. By rotating the knob clockwise, the emulated amp power-peak is progressively reduced so the saturation point becomes lower.

VOL. lvl: adjusts the volume of the tube-amp final stage circuit emulator. Acts as a master charged to regulate the overall output level of the pedal. This knob has to be used in combination with the PWR. lvl control in order to set the desired level-saturation point.

