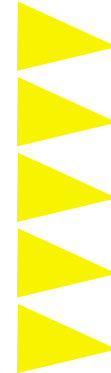


BEDIENUNGSANLEITUNG

MANUAL

REPLEX

TAPE DELAY SIMULATOR



ENGLISH

DEUTSCH

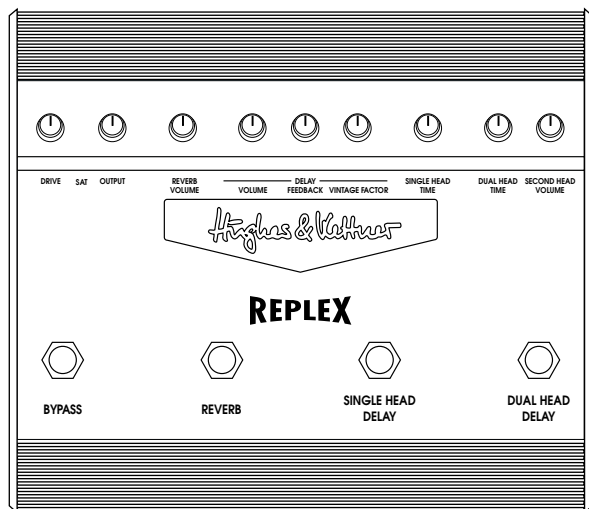
FRANÇAIS

ITALIANO

ESPAÑOL



— *Hughes & Kettner*[®]
TECHNOLOGY OF TONE



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SAFETY NOTE:

Please bear in mind that the tube installed in the REPLEX is a powered high-voltage component. Never open up the chassis of the Replex yourself; take the device to a qualified, certified technician for service or repairs.

Warning: Use the original AC power supply only. The REPLEX is a tube-driven device that draws a relatively great amount of current for a stomp box. A less powerful power supply will self-destruct and take the Replex with it.

Using the wrong power supply can cause a fire and lead to further damage and injury. Use only the original AC power supply.

1. INTRODUCTION

If you have never used an actual tape echo device, the following section should give you an idea of what these vintage beasts are all about. It describes how this type of device works and what its primary features are:

A) TAPE RECORDING:

In contrast to a normal digital delay, which generates a 1:1 copy of the original signal, many factors influence the tone of a tape echo device. The original signal is recorded by a magnetic tape recorder. The recorded signal is played back after a certain amount of delay time, whereby the playback signal is subject to mechanical influences as well as tape saturation and the momentary quality of the tape dependent on wear. This creates unique distortion and frequency modulations that conventional digital delays simply are not capable of emulating.

In addition, vintage tape echo devices were equipped with tube circuits that generated harmonic distortion at higher recording levels. This audio enhancement merged with the side effects of magnetic tape recording to create a very musical tone that, even in today's age of diversity, sounds entirely unique.



B) TUBE CIRCUITRY:

When driven at higher levels, tubes generate a very soft and musical brand of distortion. The response of tubes to the level of input signals is highly complex - they compress signals and generate a rich spectrum of overtones.

2. JACKS AND CONTROL FEATURES

2.1. CABLE CONNECTIONS

NOTE: *The best point in the signal chain at which to connect the REPLEX to your amp is immediately before it. While it is theoretically possible to insert the REPLEX into a post-preamp effects loop, doing so would make little sense in tonal terms.*

INPUT: Plug your guitar into this input jack.

OUTPUT: Connect the output jack of the REPLEX to the guitar input jack of your amp.

2.2. KNOBS

DRIVE: Establishes the input impedance (gain) and thereby the degree of tube distortion.

SAT: The SAT LED lights up when the tube is driven to its saturation threshold and the signal is just beginning to break up.

OUTPUT: Controls the output level of the REPLEX.

REVERB VOLUME: Controls the level of the reverb effect.

VOLUME: In Single Head mode, controls the level of the delay

effect. In Dual Head mode, controls the level of the first simulated head.

FEEDBACK: Controls the intensity of feedback and thus the number of repetitions that the delay generates.

VINTAGE FACTOR: Simulates the complex sound-shaping effects of magnetic tape recordings and controls their intensity. The more you turn the knob, the more intensely these factors will color the sound.

SINGLE HEAD TIME: In Single Head mode, controls delay time. In Dual Head mode, controls delay time of the first simulated head.

DUAL HEAD TIME: Controls the delay time of the second simulated head in Dual Head mode.

DUAL HEAD VOLUME: Controls the level of the second simulated head in Dual Head mode.

2.3. SWITCHES

Note: *The pedal's Reverb and Delay sections operate independently, i.e. you cannot operate both at the same time.*

BYPASS: Switches the effect on and off. This is a true hardwire bypass. That is, when the Replex is switched off (green LED off), the signal at the input is routed directly to the output, absolutely unaffected by the internal circuitry.

REVERB: Switches the reverb effect off or on.



SINGLE HEAD DELAY: Switches the Single-Head-mode delay effect off or on.

DUAL HEAD DELAY: Switches the Dual-Head-mode delay effect off or on.

3. TROUBLESHOOTING

Noise: The REPLEX is an effects device equipped largely with analog circuitry. Particularly the on-board tube, which is responsible for the highly desirable tube tone, can generate audible noise.

Tube: When you power the REPLEX up, the Tube Sat LED will illuminate until the tube has heated up to operating temperature. If the tube is already warm, this of course won't take as long. If the LED does not light up, check the power supply to verify that it is plugged in.

If the LED continues to illuminate for longer than the standard heat-up period, the tube is defective and needs to be replaced.

If you find that the effect generates ugly distortion or sounds muddy, in all likelihood the tube is worn out and needs to be replaced.

The tube should be replaced by qualified service technicians only.

4. TECHNICAL SPECIFICATIONS

Weight with AC power pack 5.2 lbs / 2.35 kg
Weight without AC power pack 4.4 lbs / 2 kg

Dimensions

Width 10.07" / 256 mm
Height 3.15" / 80 mm
Depth 8.46" / 215 mm

General electrical specifications

Maximum current consumption 690 mA at 13 volts AC
Maximum power draw 11 VA

Mains power supply Use original power supply only!!

Tube (1) ECC83 or 12AX7A

Input sensitivity -25 dB
Input impedance 1 MW

Output level 0 dB
Impedance 1k Ohm

