



1. ONE CORD TO INSTRUMENT CONNECTOR

Despite being a common RJ45 connector, this is not a computer network interface. If you own a CRUMAR instrument with a «ONE-CORD TO FX» connector, you can use the proper cable to connect the two units together (cable not included). The instrument will send audio and power to the effect unit. Audio coming from the JACK input will override this audio connection, it's not possible to connect two audio sources at the same time. Same goes for power: plugging an external PSU will override power coming from this connector. To prevent damage to your unit, do not connect two ONE-CORD devices (two effects) together.

2. CONTROL KNOBS

- **SWELL:** controls the output level of the echo effect.
- **LENGTH:** sets the overall echo duration, the amount of feedback.
- **TONE:** centered is neutral; turning left darkens the sound, turning right brightens it. The tone control acts only on the echo output and does not affect the feedback tail.
- **DRUM SPEED:** the «normal» position is with the knob fully counter-clockwise, which corresponds to the rotation speed of the original ECHOREC drum and therefore to the authentic delay times of its four playback heads. Increasing the knob slows the drum down progressively, up to half speed, effectively doubling the delay times.
- **HISS:** adjusts the amount of simulated tape hiss. Turning it fully down removes any added noise.
- **ALIGN:** sets the azimuth of all playback heads equally, i.e. their vertical alignment relative to the magnetic drum. This affects the harmonic content of the echo and the way it regenerates. The center position corresponds to the neutral, correctly aligned setting.

3. PICKUP HEAD SELECTORS

The three switches and the right footswitch let you activate the four playback heads that read the magnetic drum at different positions of the rotation. Each head produces a different delay. From H1, which provides the shortest delay, to H4, which offers the longest, the playback heads can also be activate simulateously. The delay times are not perfectly evenly spaced, and this very irregularity is what gives the ECHOREC its distinctive «organic» character. Each combination produces different rhythmic patterns, because the four delay times are not perfect multiples of one another. This is what creates the famous psychedelic multi-tap textures.

4. INPUT LEVEL SELECTION

This selector sets the input gain. Since this effect provides a fully analog dry-signal path (from input to output without any digital conversion), setting the selector to «HIGH» increases the output level of both the «WET» and «DRY» signals. To obtain a 1:1 ratio, the selector must be set to «LOW».

5. EFFECT OUTPUT

This output provides the effect output without the dry input signal.

6. DRY + WET OUTPUT

This output provides both the effect output and the dry input signal mixed together.

Unlike other echo-generation machines of the era, which relied on magnetic tape or integrated-circuit delay lines, a device built in the 1960s by a small Italian company managed to stand out and win the hearts of many rock and prog musicians. This unique machine created its echoes by recording the signal onto a rotating magnetic drum, with playback heads arranged around it, adding depth and a veil of mystery to the sound in a way no other device of the time could achieve. ECHOPLAY faithfully recreates the tone and behaviour of a specific unit that has survived for nearly 60 years without ever undergoing repairs or modifications. The sound of the original hardware has been captured in this digital effect, reproducing every nuance, from its distinctive timbre to its desirable imperfections: the non-linear frequency response, the spontaneous and unpredictable fluctuations in drum speed, the subtle tube-like distortion of the preamp stage, and the gentle hiss that gives the sound its character.

Rediscover the magic of the electric guitar and electronic organ tones of psychedelic rock bands from the '60s and '70s.

Add depth to your sound and explore all the possible combinations of the four playback heads. The dry signal entering the pedal is routed to the output through a fully analog path, without passing through digital conversion, ensuring its complete integrity.



ONE-CORD RJ45 Connector is not Ethernet. Use only compatible ONE-CORD equipment.

This device is a professional musical instrument, it's not a toy. Please keep the instrument and the packaging bag out from the reach of small children. Do not open or modify this device, do not expose to moisture, water, direct sunlight and extreme weather, please use only the provided power supply. Do not connect it to damaged or incompatible devices, with damaged connectors, cables or power supplies. This instrument can only be used in domestic or similar environments. It may cause interferences if not correctly installed. This product complies with the european Directive 2011/65/EU on the restriction of hazardous substances. WEEE notice: the product must not be disposed of with household waste, it must be taken to the appropriate collection point.

MADE IN ITALY BY VMConnection - VIA LUCIO VERO 2, RONCADE (TV)- www.crumar.it



ROTATING DRUM ECHO SIMULATOR

**FULL ANALOG DRY SIGNAL PATH
TRUE PHYSICAL MODELING EMULATION**