



ECHOLD2°

INFORMATIONS

ECHOLD2° is an echo unit that maintains the same technical characteristics as the old model; slightly increase the size so as to accommodate the two delay time controls, the magic eye, the wet-out and the buttons that select the tone filter. We have put all our attentions into evolving a better and more comfortable design.

The preamps are composed by the two triodes of the 12Ax7 valve and buffered directly with mos-fet, so as to preserve all the purity of the sound. The polarized valve in this way inserts a very musical natural compression that makes **ECHOLD2°** unique. The bypass circuit in addition to performing its priority function, resets the feedback in an analog way so as to allow a new re-use with matching halos.

ECHOLD2° was built as a limited edition numbered in 500 pieces to celebrate the 25th Anniversary.

DESIGNED AND HAND-BUILT IN ITALY

DETAILS

ECHO1 time ranges from 75 to 420mS while **ECHO 2** from 75 to 580mS.

TONE CONTROL works in the same way as the previous version, offering the additional possibility of selecting two different filters. These filters modify the "halo" scene allowing you to sculpt the desired sound better.

Now with the gain buttons on the main panel it's easier and more immediate to reduce or increase the levels of the input and output.

The "magic eye", displays the input signal. (Always On) This is pre-calibrated by the factory in order to understand the progress of the signal and when it is advisable to reduce the gain level of the input using the dedicated 0/-10db button.

ECHOLD2° it can be connected between instrument and amplifier, in the effects loop and in the recording devices.

CICOGNANI ENGINEERING reserves the right to modify the technical characteristics and layout of the products at any time and without notice. This product is built to the rule of art and observes the technical requirements of the Directives Europee 89/366EEC.

A BIT OF ECHO HISTORY

The experience and knowledge of Guglielmo (The Guru) was made available to create not a simple upgrade of ECHOSEX 2° LTD but a better vision of the most beautiful sounds of the past.

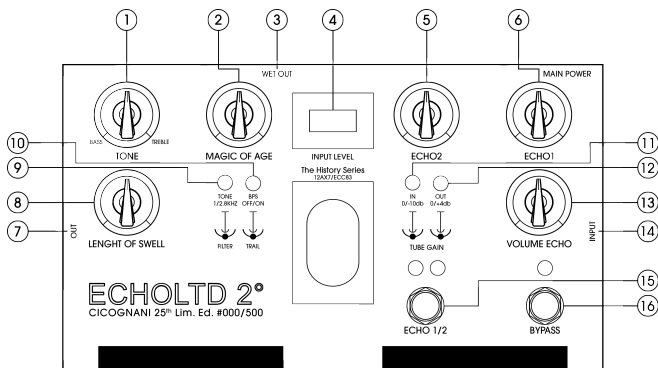
Our LTD project has been used by many bands as an effect on vocals, instruments, PA. Needless to say, many musicians have used it in different styles.

It is a "creative machine" that enriches the sound thanks to its unmistakable "feedback halos". Many different effects can be obtained with the combination of echo, age, length and tone.

ECHOLD2° with its "halos" has inspired new pages of music. The creativity that emanates has made him unique and much loved.

The electronic components are of the highest quality combined with jacks, and switches produced in Italy by ST PROFESSIONAL. The chosen factory valve is the Shuguang 12AX7B. Being used in the preamplifier gains, each valve was tested for balancing triodes and microphonicity. The varnishes were made by artisans with a bicomponent technique and silicon-shredding effect.

CONTROLS



1. **Tone:** Frequency control level of repeats
2. **Magic of Age:** Modulation
3. **Wet Out:** Unbalanced Lo Z 100% effect out.
1/4" (6,3mm) mono jack able to connect to mixing consoles.
4. **Input Level:** The solid state "Magic eyes"
5. **Echo2:** Second delay control (from 75 to 580ms)
6. **Echo1:** First delay control (from 75 to 420ms)
7. **Out:** 1/4" (6,3mm) mono jack
8. **Length of Swell:** Feedback
9. **Filter:** select the frequency for tone control
10. **Trail:** Bypass ON/OFF effect or fade-out mode
11. **Input Gain switch:** Reduction from 0 to -10db
12. **Output Gain switch:** Boost from 0 to +4db
13. **Volume Echo:** Set the mix of Echo level to 50% max
14. **Input:** 1/4" (6,3mm) mono jack
15. **Echo 1/2:** Echo 1/2 switch
16. **Bypass:** activate the echo effect

SPECIFICATIONS

Power In	9 to 12VDC (Negative Tip)
Consumption	From 350 to Max 500mA
Input Impedance	<1M Ohm
Input Sensivity	0,6Vpp MAX
Output Impedance	<100K Ohm
Wet Out Impedance	<47K Ohm
Linearity Response	15Hz to 60Khz @ 1db
S/N Ratio Preamp	<89db
S/N Ratio Heads	- 90dbV PT2399
Effect Mix Level	MAX 50%
Wet Out Mix Level	100% WET
Echo Delay	75 to 580mS
Varispeed Max Time	+100% MAX (592mS)
Tone Control	Roll Off 1Khz @ 6db/oct
Tone Frequency	1Khz and 1,8Khz switchable
Input Level	0db - full to the max
Switching	DPDT switch
Tube Type	12AX7B/ECC83
Int. Working Voltage	MAX 12VDC
Estimated Tube Life	Up to 3000 hours
Weight	0.7kg (1.5 lbs)
Length	130mm (5.1")
Width	220mm (8.6")
Height	50mm (1.96")

CAUTION! Make sure to check the power supply connection as per technical specifications. This pedal cannot be powered by a battery.

INPUT INSTRUMENTS CONNECTION

The input control must be adjusted so that you can use the right amount of signal. The input level (magic eye) will help you understand how to adjust the levels.



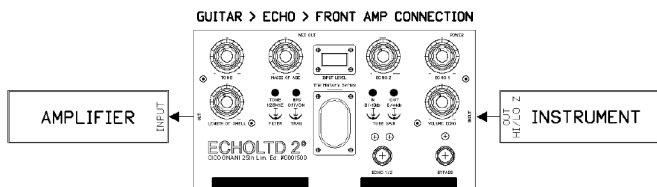
Attention! The input level adjustment is very important as it affects the behavior of the echo sound. With low input levels the mix may not reach a good presence while high levels may introduce harmonic distortion on repetitions.

ECHOLD2° FRONT AMP

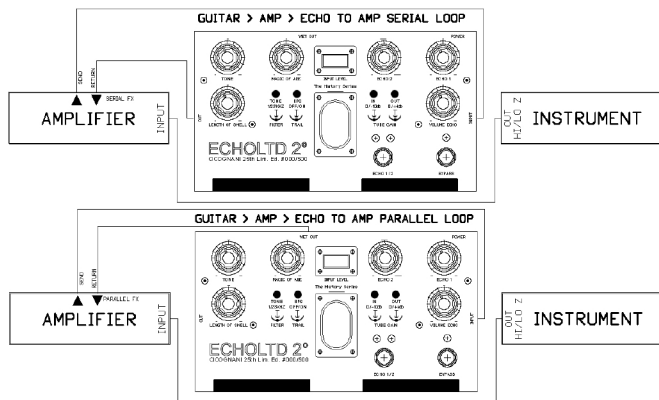
The use of the echo in front of the amplifier is one of the most classic configurations.

Thanks to a powerful input and output buffer we can send a good and clean signal to the amplifier.

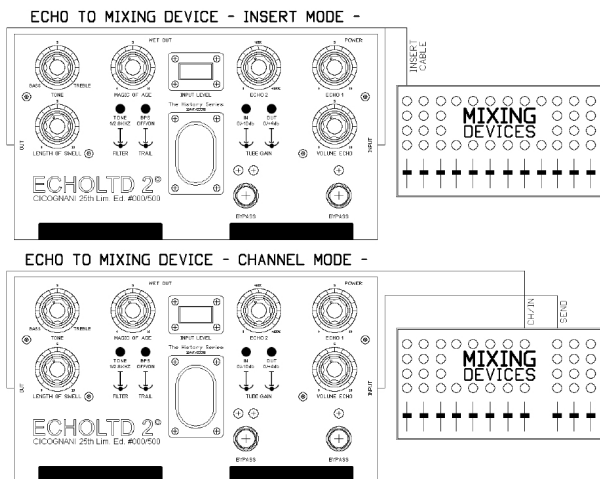
The use of good quality cables is always recommended. If you use Fuzz, Od. or Dist. pedals move the echo to the end of the chain to obtain the best performance



ECHOLD2° IN LOOP EFFECTS



ECHOLD2° IN A MIXING CONSOLE



GURU ADVISES

1. Connect the main power to 12Vdc (min 500mA). Make sure the power supply is negative tip.
2. Connect the "Input" to the instrument.
3. Set the "Input Tube Gain". The Input Gain is displayed by "Input Level" and can be adjusted from 0 to -10db.
4. Set the "Output Tube Gain". The Output Gain can be adjusted from 0 to +4db.

The input and output tube gain switches emit a bump because they are connected directly on the cathode resistors of the valve.

Don't be alarmed, it's normal.

ECHOLTD2° is equipped with 12AX7B (ECC83) tube. We test them because it is important that the triodes are balanced, efficient and with low level of microphonicity. If you wish to replace it, make sure you have purchased a product with these characteristics.

WARRANTY TERMS

The guarantee of the products is two years from the purchase data. Switches, buttons, relays are one year. The thermionic valves, indicator lights, wiring cables are guaranteed for three months.

Responsibility of **CICOGNANI ENGINEERING** is limited to repair or replacement of the product at our discretion.

CICOGNANI ENGINEERING not be liable for damages resulting from loss of use of the product, lost time operation interrupted by non-use, loss of business or any other damages or incidental, consequential or otherwise; damage in transit or damage caused by inadequate packaging.

How to receive assistance: Send an email to sales@cicognani.eu in order to make agreements on how and where to send the product. The product must be sent together with a copy of the receipt/sales receipt. Shipping and packing costs are the responsibility of the purchaser.

THE WARRANTY IS NOT VALID WITHOUT A COPY OF YOUR RECEIPT OF SALE CERTIFYING THE DATE OF PURCHASE.





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