

## 16 Seconds delay Compact version



This is a recreation , as close as modern technology allows , for the legendary pedal from EHX , released originally in 1983 , and never launched. This version is a compact reinterpretation adapted to modern pedalboard spaces, leaving the original CLIX function and lacking external remote footswitches which are available in the full size model.

Back in its day , imagine the unseen possibilities of such a marvelous machine, and that's what we brought back from ancient digital realms , speaking of that , all circuit topology , regarding analog pre and post filtering , pre-emphasis , de-emphasis, compression and expansion, feedback and mixing has been recreated, all in analog circuitry , this unit is digital only at its core, where audio is converted to a chunk of numbers, stored in memory , read and converted to audio signal again , just like in the venerable 1983 pedal.

Operation is amazingly easy , each slider and switch has only one function with no hidden modes or menus , think of this as a loooong delay at highest settings , or as a more normal delay at short settings

Controls:

**Delay Coarse slider** : controls the size of memory block used for the delay , to a maximum of 16 seconds in FAST setting , and 32 seconds in SLOW , approximate values due to the tolerances involved in clock circuit control.

**Delay Fine slider** : Controls sampling rate , allowing for time and pitch smooth changes, from shortest to longest and so highest to lowest pitch .

**Speed slider**: sets speed for the triangle waveform, low Frequency Oscillator (LFO) used to modulate sampling rate , with led indicator for visual feedback.

**Depth slider** : controls amount of LFO modulation to sampling rate, from subtle pitch fluctuations to deep and crazy dives and rises.

**Feedback slider** : it's a regeneration control , controlling how much of the output signal from the delay line is recirculated to the input of the memory , allowing for echo and overdub effects . At highest settings it will oscillate , or "runaway feedback " .

**Blend slider** : allows for mixing of dry signal and delay signal, from 0% to 100 % .

**Slow/fast switch** : changes sampling rate to half or double , thus changing time and pitch to longest , one octave down (slow) or fastest/ one octave up (fast).

**Reverse Switch** : changes direction of playback of memory content , for reverse effects , note that this is not a "reverse delay" , because is not continuously reversing the audio input like in Danelectro back talk echo for example. What's interesting is the behavior when overdubbing , because a new layer over a reversed one will record and play forward, and if reverse is switched again, previous will play backwards and new one will be reversed. try it, it's much easier than me trying to put it in words.

**Infinite footswitch** : it's the "freeze" or "hold " control, when engaged no new material will be recorded , and what is inside memory will play forever.

**Bypass footswitch** : mutes the delay signal output , but, what is important , does not prevent the delay to continue recording , so this allows for the desired "continuously record while in bypass" feature

**Power**: Any standard pedal power , center negative will work , just check that it can provide at least 150 milliamps to have current margin. Again, no fancy requirements.