

CARL MARTIN

Manual



The Carl Martin Echotone! 1200 milliseconds of vintage echo, foot-switchable Tap or Manual time settings, insert loop and switchable trail function at bypass. Imagine switching from a Manual time setting to a Tap time setting right at your feet, so you can play with your favourite slap-back echo on rhythm to a Tap (tempo) set echo for that massive lead or solo! Combine this with flavouring your echo by installing a chorus, flange or even distortion pedal in the insert loop, and the switchable trail function at bypass, and you have what our test players are calling 'the best echo they have ever heard'!

As with all the Danish built Carl Martin effects, the Echotone comes in our low-profile housing, coated in our new stunning off-white colour, with the built-in 12v (+-) regulated power supply.



The ECHO switch is to activate or bypass the Echotone, with the LED on the unit is activated.

Please note the Echotone is NOT true bypass, it features a high quality buffered bypass, to ensure long cabling without loss.



The SELECT switch choose between the manual time setting and the TAP TEMPO function.

With the LED above the TAP TEMPO switch ON the TAP TEMPO function is activated, the manual time knob does not work.

With the LED above the TAP TEMPO switch OFF the MANUAL TIME function is activated, the tap tempo does not work.

By this you can easily shift between two presets i.e. a slapback on the MANUAL knob, and while using that on the A part of the song you can tap in the song tempo while playing, and in the solo enter the select switch for long delay time for the heroic lead, and after the solo enter the SELECT switch to return to the slapback.



With the TAP TEMPO chosen on the select switch LED on, you can set the delay time simply by tapping the desired or the song tempo on the TEMPO switch with your foot, you shall tap minimum two times or more as the unit will always set the tempo after the last two tap's.



With the MANUAL time function chosen on the select switch (LED above tempo switch off) you set the desired delay time on the chicken head knob.

Counter Clock wise (-) longer delay time, Clock wise faster delay time.



On the ECHO knob you mix between dry and wet, Clock wise more echo.



On the FEEDBACK knob you choose the amount of echo's you want after the original note.



With the TONE knob you adjust the voicing on the repeats from dark position full counter clock wise to light full clock wise.

PLEASE NOTE the tone only effect the repeats not the overall guitar sound.



With the LOOP you can insert an external effect device, i.e. a Chorus or Phase, even an overdrive pedal or EQ with this you can either color or modulate the echo in a ton of different ways with really cool results. But please notice the effects in the loop only work on the repeats not the overall main guitar tone.

Notice that you need to regulate the echo and feedback to lesser settings, if you insert a modulation effect in the loop, as the feedback can go into oscillation if left with same setting as used with no modulation inserted.



With the TRAIL switch positioned on the back just beside the input jack you choose you you want trails on or off when bypass.
Trails are the echo ringing out when you bypass the unit, in off position the effect stop immediately when bypass.

Power Requirements

Unit's built after January 2016 comes with the innovative Carl Martin DC/DC circuitry that delivers internally +-12V regulated.

Power consumption: max. 160 mA

Power supply: 9 V DC (regulated), 220 mA minimum, 2.1 mm female plug, center negative (-)

PLEASE NOTICE: It's not possible to use battery, only external power supply (not included)

ATTENTION: Please Use DC Power Supply Only! Failure to do so may damage the unit and void the warranty.

Unit's built before January 2016 comes with a built in mains power supply either in 100 or 115 or 230 VAC 50/60 Hz, that deliver internally +-12V regulated Power consumption: 2,4Watts.

PLEASE NOTICE: If purchased in USA (115V) it cannot be used in country's where 230V is used, you will burn the built in transformer.

Specifications

Input.....	1M Ohm	Delay Min.....	20 m.sec
Output.....	100 Ohm	Delay max.....	1200 m.sec
S/N Ratio.....	68 dB	Dimensions	186 (W) x 120 (D) x 55 (H) mm
THD distortion.....	0,1%		7.31" (W) x 4.72" (D) x 2.16" (H)
Frequency range.....	40 hZ - 16kHz	Weight.....	820g / 1,81lbs

Warranty: Carl Martin Research warrants the manufacturing, material and proper operation for a period of one year from date of purchase. Carl Martin will replace defective parts, make necessary repairs or replace the unit at the discession of our technicians. The warranty applies only to the original purchaser of this product, and excludes any damage or faulty operation resulting from misuse, neglect or unauthorized service.

HandMade in Denmark

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