

CARL MARTIN

Manual



For the new improved Red Repeat 2016, Carl has added a couple features that various players have asked about. To begin with, we have added a Tap Tempo function. For those familiar with delay pedals, the Tap Tempo allows the player to tap in the tempo he chooses to use with his playing. Simply flip the switch that says Manual Time toward the name Red Repeat and with your toe, tap the footswitch marked Tap Tempo to the beat of the song. This allows your echoes to be spaced precisely with the tempo of the song, faster or slower, depending on your style. When The Manual Time switch is flipped away from the Red Repeat decal, the pedal goes back to setting the space between echoes with the Time knob. The second special feature is the Modulation switch. By engaging this switch, and adjusting the black mini-pots marked Depth and Speed....you can modulate the echoes of your notes so that they mimick the 'wow and flutter' of a vintage tape echo! This subtle effect can bring a whole new dimension to your solo's, especially if you want them to sound 'old'.

Ah the misunderstood delay/echo....rather than go into the technical description of this effect, let's keep it simple. The Red Repeat is designed to take your guitar signal and repeat it after a given amount of time. The simplest description comes from the Echoplexes and Space Echoes of years ago. If you envision a tape recorder with the recording head and the playback head in line with each other, and the tape (usually a loop of some sort) running....you play a note on your guitar which is recorded onto the tape by the recording head and is then played back by the playback head immediately after. The delay time is determined by how far apart the recording and playback heads are, and by simply adding more playback heads, that original note is played back as often (or repeated) as you have playback heads. Ok, that is oversimplifying the whole thing, but you get the idea.

The Red Repeat takes this old technology and brings it up to modern standards. The Echo control basically determines the amount of this effect, from barely noticeable, to sounding like two guitars playing at once (slap-back). The Tone control changes the presence (EQ) of the echoed signal, leaving your original signal EQ the way you set it up. The Time control adjusts the space between your original signal and the echoed signal from 0 to 600 milliseconds, and finally, the Repeat control determines how many echoes there are from each signal. So again for guitar-players who need it super-simple....the Echo and Time controls tell you how much echo and how much space between echoes....and the Tone and Repeat controls determine the actual presence of the echo and how many echoes there are.

The Red Repeat can be used to fatten up your sound, as an alternative to reverb, to give a very percussive flavor to your playing, all the way to the longest delays which you can play over top of, like a short loop. This type of effect has been used since the 50's, and has helped shape the signature sounds of Les Paul, Chet Atkins, Gene Vincent, Brian Setzer, David Gilmour and countless others, and once you understand the effect, is usually pretty easy to spot in recordings. Remember, Delays can come before or after your distortion pedals, but usually after amplitude (volume) effects.

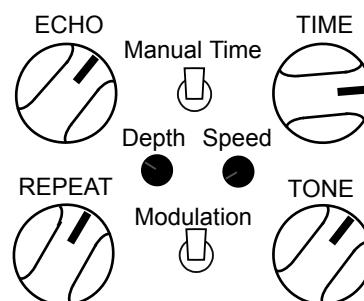
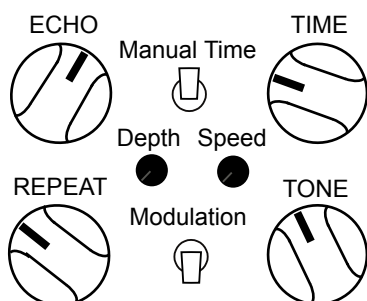
SAMPLE SETTINGS

50'S SLAPBACK

To get that percussive 50's slap-back sound, turn up the Echo to somewhere around 1 o'clock, Tone at 11 o'clock and maybe add just a touch of Repeat. Great for 50's rock&roll solos, rockabilly and snappy country licks. Modulation Off

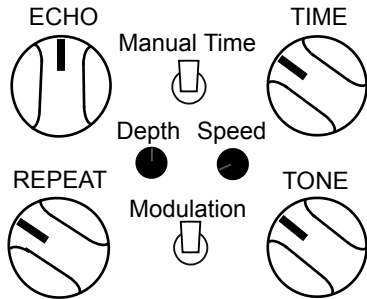
DRAMATIC ECHO

Set your echo around 12-1 o'clock, brighten up the Tone somewhat, increase the Time to about 3 o'clock and increase the Repeat (again keeping in mind your tempo). Dark and dramatic, switch on modulation with Depth at 10 o'clock, and Speed at 8 o'clock.....very Pink Floyd



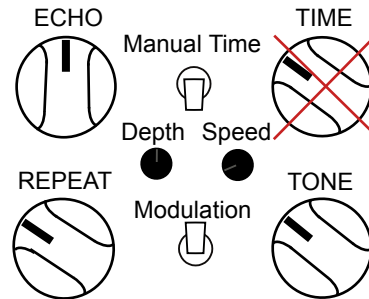
WARM VINTAGE ECHO

Set your Echo around 12 o'clock, keep the Tone between 9-11 o'clock for warmth, set the Time about 11 o'clock (250 milliseconds) and the Repeat around 10 o'clock (keeping in mind the tempo of the song) Modulation switch on, Depth at 12 o'clock and Speed at 8 o'clock. Works well for arpeggiated back-ups and solos.



WARM VINTAGE ECHO W/ Tap Tempo

Set your Echo around 12 o'clock, keep the Tone between 9-11 o'clock for warmth, set the Time Switch to Tap Tempo, and the Repeat around 10 o'clock (Now tap the tempo of the song on the Tap Tempo Switch) Modulation switch on, Depth at 12 o'clock and Speed at 8 o'clock. Works well for arpeggiated back-ups and solos.



Specifications

Input.....	1M Ohm
Output.....	100 Ohm
S/N Ratio.....	62dB
Tone.....	High Cut
Delay Time Aprox.....	600Ms.
Dimensions	120 (W) x 95 (D) x 56 (H) mm
	4.72" (W) x 3.74" (D) x 2.2" (H)
Weight.....	350g / 0,78lbs

Power Requirements

Battery: The Red Repeat does not accept the use of battery, only external power supply.
 Power consumption: max. 50 mA
 Power supply: 9 V DC (regulated), 100 mA minimum, 2.1 mm female plug, center negative (-)
ATTENTION: Please Use DC Power Supply Only!
 Failure to do so may damage the unit and void the warranty.

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 discretion 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.

Made in China

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