User Manual

v.2.0

The origin of the *'flanging'* is placed in the 60's. Recording the same music on two tape recorders and simultaneously playing both, while the hands alternately accelerated and braked the tapes (playing with pressure exerted on some moving parts of the player), phase cancellations appeared at different points in the spectrum. Later in the 80s, the dedicated effects pedals appeared, imitating this sound through a long chain of capacitors, embedded in an integrated, known as **Bucket-Brigade Device** (BBD). The most common of them all was the **Panasonic MN3207 IC**.

MagmaSonic has managed to replicate the behavior of said chip, being faithful to the generated sound, without the drawbacks associated with this technique of analog sampling, such as noise and artifacts produced by the loading and unloading of the capacitor chain

The features that *Reflanger* has are:

Delay: Up to 6.3 ms of delay with respect to the dry signal

*Width***:** Depth of LFO modulation

*Speed***:** LFO speed up to 10 Hz

*Sync***:** Sync the LFO with the tempo of the song ->

   (16/1, 8/1, 4/1, 3/1, 2/1, 7/4, 6/4, 4/4, 1/2, 1/4, 1/8, 1/8T, 1/16).

*LFO Type / ∞***:** Sinusoidal or triangular wave / Infinity Mode

- To switch between **LFO** and **Infinity** Mode, press the black button
- To switch between **LFO types** press the leds Sine or Triangular LFO

The **Infinity Mode** is as the same a BaberPole Effect. This creates the auditory illusion of a tone that continually ascends or descends in pitch, yet which ultimately seems to get no higher or lower.

Regen: The return of the feedback signal -100% <-> 100%

   0%-100% adds the dry signal to the wet

   -100%-0% subtract the dry signal from the wet

Mix: Mix between dry and wet signal -100% <-> 100%

   0%-100% adds the dry signal to the wet

   -100%-0% subtract the dry signal from the wet

CV Inputs AND Outputs

CV's OUT

Delay CV: Automates the front Delay knob

Width: Automatiza el knob del Width de modulación del LFO

Speed: Automates the LFO modulation Width knob

Regen: Automate the feedback of the signal

CV Out: LFO output values between 0-1

LFO Trigger: Adjusts the sensitivity of the LFO reset according to the incoming audio signal

- **Infinity Mode Up :** you have the feeling of a empty fall
- **Infinity Mode Down:** the endless climb