

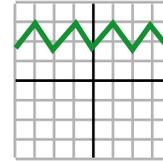
☺ Check **Linnet mix** Turn all *speeds* fast

Turn *linnet-red depth* up. should be oscillating:

Turn *linnet-yellow depth* up: should oscillate more wild.

as the two wave (red and yellow LFOs) add on top each other

Turn *linnet-green depth* up: should get crazier as all 3 LFOs add together



or more squarish
or moving slower...
or more active

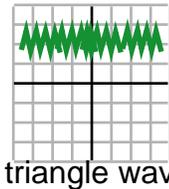
☹ Problem with *linnet depths* (miswired, check pot connects diagram)

☺ Check **Linnet output**

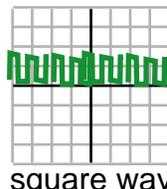
Turn *Linnet pitch* up

Flip *Linnet tone*

Should alternate between:



and



heights must be same

☹ tone switch and its connections, more likely a problem with broken/crossed traces in the **VCO sub-section** (the middle sub-section including and around the 555 IC)

There should be oscillation at pin 2, 3, 6 and 7. Power at pin 8 and 4, and ground (actually 0.6V) at pin 1. Pin 5 should be a floating steady voltage.

Pin 7 should move similar to **Linnet mix**. backwards diode, backwards or wrong FET?

☺ Turn *Linnet pitch* up and down.

Should go from 10kHz-30kHz (0.1ms-0.03ms), down to 10Hz-60Hz (100ms-16ms)

Remember, to measure frequency, turn the horizontal scale knob till you can see each individual cycle.

Then, count the number of divisions that the wave takes up for one cycle. Multiply that by the horizontal scale setting (e.g. 3 divisions for a cycle, knob is set at 5ms/div equals 15ms.)

☹ Change the value of the 0.1uF that touches pin 6 of the 555. Higher value moves the range down, lower moves it up. Make sure *linnet pitch* is a 100k pot, or if more range is needed, replace it with a 500k

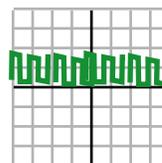
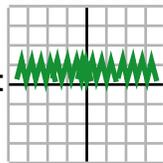
☺ Check **mix 3** (the pot named "mix")

(mix 3 is #6 on the board). [if you're doing the gale section now , then check mix 1, #5]

Turn *Linnet pitch* up

Flip *Linnet tone*

Should alternate between:



☹ Problem in the **output buffer sub-section** (around and including the 2N3904)

☺ 6. **gale channel**

repeat the Linnet channel tests on the gale channel section.

☺ go to page 3