

PØWER REQUIREMENTS:

Stargazer runs øn a "Bøss style" center pin negative +9vDC pøwer supply. This pøwer supply is cømmønly available før guitar pedals.

WHAT DID I JUST BUY?

STARGAZER is a box I always dreamed of having. I wanted tø create a cømpact and røbust drøne synth før spur øf 1 the møment harsh nøise sets. STARAZER has two oscillators with 90 arbitrary wavetables, detune, subøctave and mix capability. There are two resonant filters each with an independent wavetable LFØ. There is a sample rate and bit rate reducer placed beføre the secønd filter stage tø add harmønic cøntent tø the signal in between the two poles. The second filter then feeds into a VCA which is controlled by a wavetable LFØ. Frøm the VCA, STARGAZER pushes through a crude CMØS distørtiøn circuit and then out to your speakers. The LDR input alløws yøu tø cøntrøl yøur drønes with a light sensør øn the side of the box. It is equipped with everything I believe tø be essential før a cømplex drøne perførmance and møst impørtantly, is fun and intuitive tø use!

- **1. WAVE:** Wavetable selectiøn før bøth main øscillatørs. 90 in tøtal.
- **2. PITCH:** Pitch cøntrøl før bøth main øscillatørs. 20hz tø 500hz.
- **3. MIX:** Vølume amøunt øf main øscillatør twø.

- **4. SUB:** Turns øscillatør twø intø a øne øctave døwn subøctave øf øscillatør øne.
- **5. DETUNE:** Detune før øscillatør twø. -5hz tø +5hz.
- **6. ALIAS**: Sample rate. 18khz (left) tø 1hz (right).
- 10 (OUT ⊃C9V ⊕-€-⊝ GAIN REDU DETUNE WAVE MIX ALIAS FREQ FREQ. RES LDR INPUT " 🕸 " RES. DEPTH WAVE 14ء DEPTH WAVE DEPTH RATE STARGAZER MØFFENZEEF MØDULAR 17 18 20 19 16

- 7. REDUX: Bit depth. 11 bits (left) tø 1 bit (right).
- 8. GAIN: CMØS Distørtiøn gain. 1x tø 100x
- 9. FREQ. 2: Cutøff før filter 2. 80hz (left) tø 15khz (right).
- 10. PWR: Pøwer switch før Stargazer.
- 11. VØL: Øverall vølume. ~3 6vpp øutput.
- 12. RES 2: Filter 2 resønance.
- 13. DEPTH 3: LFØ 3 depth. Cønnected tø VCA.
- 14. DEPTH 2: LFØ 2 depth. Cønnected tø Filter 2.
- **15. RATE 2:** LFØ 2 rate. 0.05hz (left) tø 50 hz (right). Cønnected tø Filter 2.
- **16. WAVE 2:** LFØ 2 wavetable selectiøn. Sine, Tri, Saw Up, Saw Døwn, Square, Randøm (S&H). Cønnected tø Filter 2.
- 17. RATE 3: LFØ 3 rate. 0.05hz (left) tø 50 hz (right). Cønnected tø VCA.
- **18. WAVE 3:** LFØ 2 wavetable selectiøn. Sine, Tri, Saw Up, Saw Døwn, Square, Randøm (S&H). Cønnected tø VCA.
- 19. DEPTH 1: LFØ 1 depth. Cønnected tø Filter 1.
- **20. RATE 1:** LFØ 1 rate. 0.05hz (left) tø 50 hz (right). Cønnected tø Filter 1.
- **21. WAVE 1:** LFØ 1 wavetable selectiøn. Sine, Tri, Saw Up, Saw Døwn, Square, Randøm (S&H). Cønnected tø Filter 1.
- **22. LDR INPUT:** Input før phøtøsensør sensør included with STARGAZER. LDR input cøntrøls rate øf all three LFOs. Møre light = faster speeds. This input can alsø be used with an expressiøn pedal. If yøu have a TIP/RING splitter yøu can use this input as a CV input by inserting yøur CV intø the TIP input. Range is 0-3.3v. TIP = SEND. RING = RECIEVE.
- 23. RES 1: Filter 1 resønance.
- 24. FREQ 1: Cutøff før filter 1. 80hz (left) tø 15khz (right).

for more information visit http://www.moffenzeefmodular.con

