

DROP by Mad Sound Factory

You're not supposed to design instruments the way we made Drop—with a complet disregard for electrical design norms and traditions. But honestly, there are a lot of things you're not supposed to do, and life would be boring otherwise.

doing so, Drop taps into the experimental roots of electronic music—raw, organic, d live. It's not a sequencer, not a drum machine (at least in the modern sense), but proper musical instrument: easy to grasp, hard to master.

2. First steps



- DROP

- Packaging integrity
 Completeness of the kit
 Synthesizer functionality

Powering DROP DROP can be powered from any US source*



Architecture

OP consists of severas mouver

VCO – Tone generator

NG – Noise generator

CLOCK DIVIDER

LFO I – Clock generator

LFO II – Clock generator

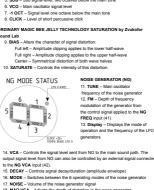
LFO II – LOW-pass filter

SATURATOR – Ordinary N

OUTPUT – Output stage

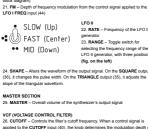
DROP – VCO & Not trigger

@MSF



MID (Down)

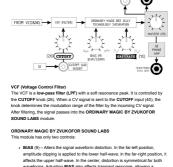






5. Details

NG ERATOR



01&11 LF

CLOCK DIVIDER DIVIDER IN/OUT STATUS (13)
SMALL MODATUR RESET IN STATUS
11/2 16 8 RESET
2 L R

The RABTE (22) inch sets the operating frequency of the generator. The RABDE switch (20) determines the operating of the generator. The LPO GATE input (45) is used for synchronizarploxing the operation of LPO II. When a signal is aligned to the connector, it stops the operation of LPO III. However, the control of LPO III. However, the control of LPO III. The III has two outputs with different wateriors shapes: trianger (FRI (51)) and square (50 (26)). The SMAPE into (24) alters the shape of the output signal. At the SQ output (35), the duty cycle of the pulses is modified. At the TRI output (35), the slope of the "shifted" of the triangle were to adjusted.

MS (47) N (46)

CLOCK DIVIDER

OUT 000 OUT 010 P

 m_{1} mmmmm

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1/2 1/4 1/8 1/16 1/32 1/64

LFO I CLOCK:

Minimum Breguency, 5.8 Hz (+/-5%)

Maximum Breguency, 240 Hz (+/-5%)

Maximum Breguency, 240 Hz (+/-5%)

Mumber of output signals: 2

LFO I File output: Tingrish wave, Amplitude BV, Output Impediance 350 O (+/-5%)

Signal at I CLOCK -132+ connector: Square wave, Amplitude 7.5V, Output Impediance 350 O (+/-5%)

Voltage range of the signal at LFO I FREQ input: 2.5V – 11V.

FO | & ||

Clock divider

djustment range 2 Hz – 9 Hz (+/-10 %) ,5 Hz – 95 Hz (+/-10 9

7.2V, Output impedance 1 kΩ (+/-5%) 10V, Output impedance 220 Ω (+/-5%)

- udio output Maximum undistorted output level: 3.4V F
 Output impedance: 330 Ω (+/-5%)
- Dual mono
 Minimum headphone impedance: 32 Ω
 Output level: >3 dBu per channel Input signal range

io Output ("BANANA"): Mo

ion is adjusted using the FM knob adjusted using the CUTOFF knob adjusted using the FM knob adjusted using the VCA knob 2,3 - 11 V 4,5 - 11 V RESET