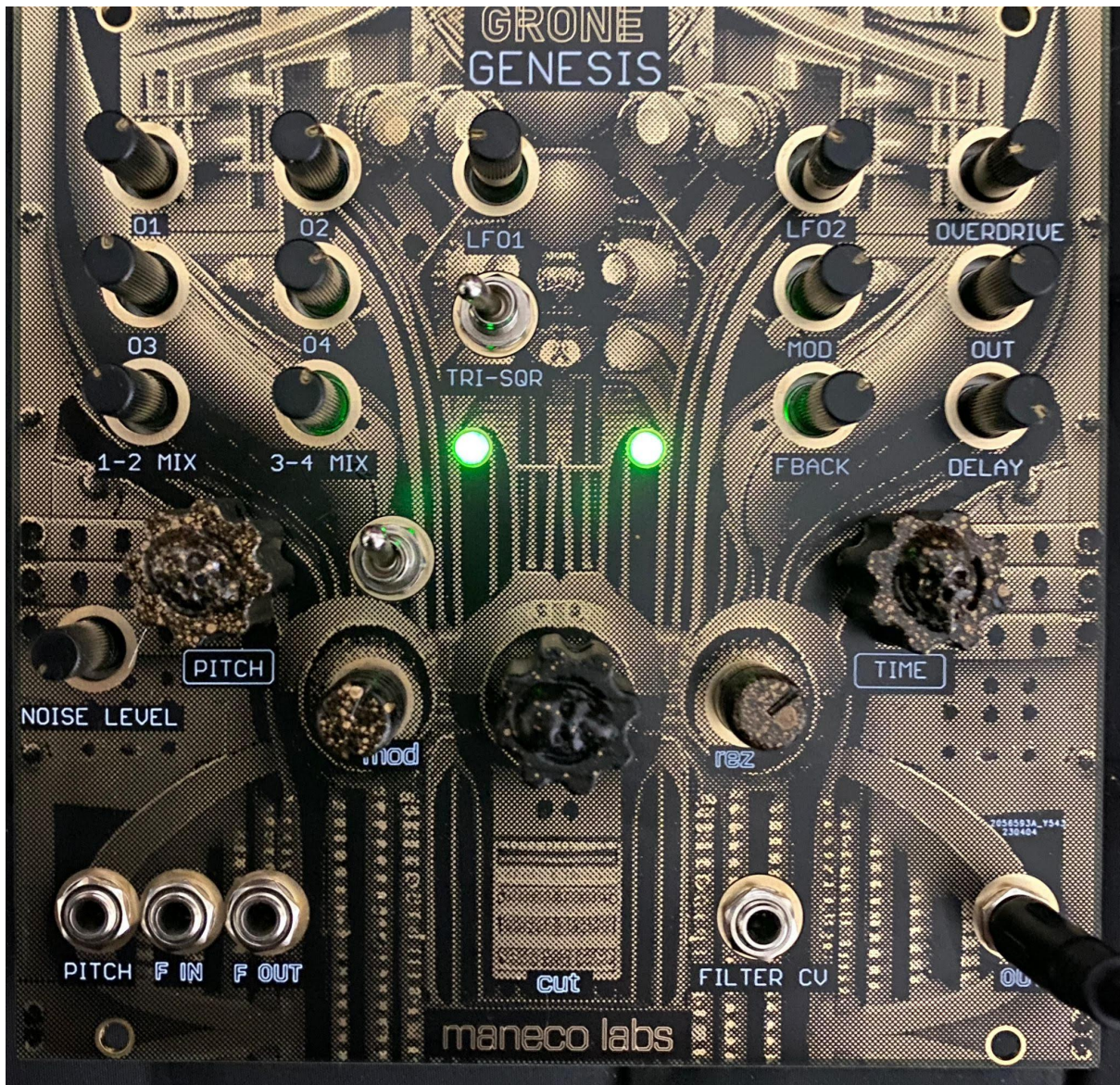


# Grone Genesis



This eurorack module is the latest addition to Grone family, as an introductory device to the wonders of drone textures, easy to operate and capable of many different sonic colours.

It includes:

- 4 drone oscillators , blendable and with a global pitch control, and switchable pitch modulation
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- Noise generator with mix control
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- Transistor ladder Moog VCF with external input and external CV modulation
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- Analog voiced delay , capable of self oscillation

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- 2 Low frequency oscillators , one with square and triangle selectable for modulating filter, the other with triangle wave dedicated to delay time modulation.
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- Output overdrive/distortion for destroying resulting audio.

Controls:

### **Oscillators :**

O1 , O2 , O3, O4 : frequency controls for 4 oscillators  
 1-2 mix , 3-4 mix : level for 1-2 and 3-4 oscillator pairs  
 Pitch: global tune for 4 oscillators with external cv control.  
 Modulation Toggle switch

### **Transistor ladder filter :**

Cut : main filter frequency cutoff  
 Mod : LFO 1 modulation amount  
 Rez : regeneration for filter peak

### **Noise level :**

White noise generator blend with oscillators

### **Delay :**

Time : delay time control , up to around 600 ms  
 Fback : delay repeat or recirculation  
 Delay : blend of delayed signal with dry signal  
 Mod : LFO 2 time modulation amount

### **Output distortion :**

Overdrive : clipping amount  
 Out : global audio output level

### **Low frequency Oscillator 1 :**

LFO1 : lfo1 speed for modulating filter.  
 TRI-SQR toggle : selects square wave or triangle wave

### **Low frequency Oscillator 2 :**

LFO2 : lfo2 speed for modulating delay time

Jack connectors :

Pitch : global tune modulation for oscillators , if a signal is connected here, pitch potentiometers controls modulation amount

F in : external input for Voltage Controlled Filter

F out : independent output for Voltage Controlled Filter

Filter CV : voltage control for filter cut frequency

OUT : main audio output

size : 24 HP

Power consumption: +12v 80 milliamps , -12v 10 milliamps