

# FrankenMusik

## Monster Box Drone/Noise Analog Synthesizer

### Features & Specifications

- 4- Square Wave Oscillators
- 4-Gate Oscillators
- 2.1mm, 9VDC input (+ Tip) Jack, 300mA
- 1/4" Audio Output Jack
- Frequency Range: 160Hz to 20kHz
- Complete Control of Signals
- Sturdy Metal Enclosure

### Analog Layout



### Basic Operation

#### Square Wave Oscillators

Each oscillator is independently controlled. Each has frequency control and the option to route the signal to the output or through the gate oscillator.

- Switch Controls \*
- ← Signal Out
  - Signal Off
  - Signal to Gate



\* Direction of switching is relative to reference picture

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### Basic Operation Continued

#### Gate Oscillators

Each Gate Oscillator is also independently controlled. There is frequency control and audio/signal out control.



Switching Controls\*  
← Signal Out  
→ Signal Off

\* Direction of switching is relative to reference picture

The signal from the gate oscillator can be selected to the audio output on its own. Depending on what controls are used and how the audio signal is routed in the circuit, selection of the gated oscillator can result in no audio or cutout signal. The circuit is designed to rout signals back into itself (achieving random, strange sounds and textures) and sometimes the gate needs to be "reset". To engaged the signal again, select the appropriate square wave signal and switch it in position to send audio to the gate oscillator. Engaging the switch for a moment will reset the signal from the gate.

Any combination of square wave oscillator or gate oscillator can be selected. It is best to experiment and get a feel for what type of sound or effects can be produced by mixing or blending different frequencies and oscillator signals.

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#### Website

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