

# G8

## User Manual



Circuit Abbey

## G8 Description

The G8 is a multi-mode, multi-output clock divider.

G8 Features:

- 8 Modes
- 8 Outputs
- CV clocking mode, unipolar or bipolar (jumper selectable)
- Reset input, trigger output
- 4HP, depth=49mm, 20mA power draw

The G8 divider modes:

Clock: 1 of 8 sequencer output, like the A-161

Cv: Same as above but with a CV input on the clock jack

Int: Divide by 2-9

Bin: Binary counter, 0-255

Even: Divide by 2,4,6,8,10,12,14,16

Odd: Divide by 3,5,7,9,11,13,15,17

Prime: Divide by 2,3,5,7,11,13,17,19

Random: Output have a probability of 1/2 through 1/9

Mode button selects the mode, and when held down selects trigger mode where all outputs are triggers instead of gates. Reset input is edge sensitive i.e. resets on a rising edge. Trigger output provides a trigger when the outputs change, useful in CV.

## Mode Button Operation

Press the mode button once to see the current mode. Press again to select a new mode. Leds will revert to showing output after ~1 second. Press and hold mode button to switch between gate and trigger modes. Gate mode has green for output states, trigger mode has red.

# Front Panel Interface:

## G8



**Clk Jack:** Clock input, CV input in CV mode

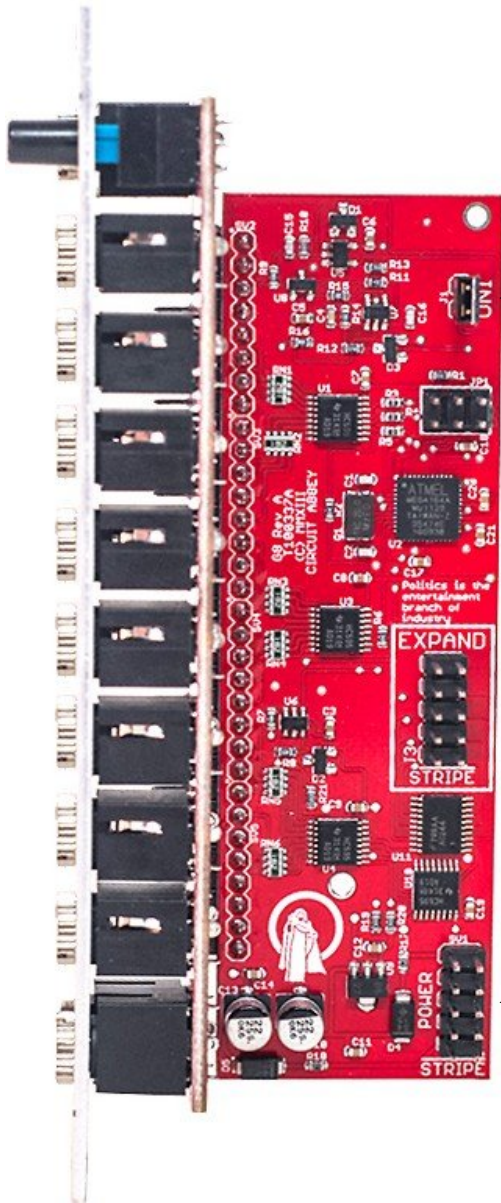
**Mode:** Selects operating mode, also sets gate/trigger output mode

**LEDs:** Show state of each output. Also shows output mode: Green for gate, Red for trigger

**Output Jacks:** Jacks for outputs

**Rst:** Reset input, edge (trigger) sensitive

**Trg:** Trigger output



Unipolar Jumper:  
 In = unipolar  
 Out = bipolar

POWER GOES HERE

Module Width	4HP (20mm)
Module Depth	49mm
Power Connector	Standard Doepfer 10 pin
Power Requirements	± 12 Volts at 20mA Max