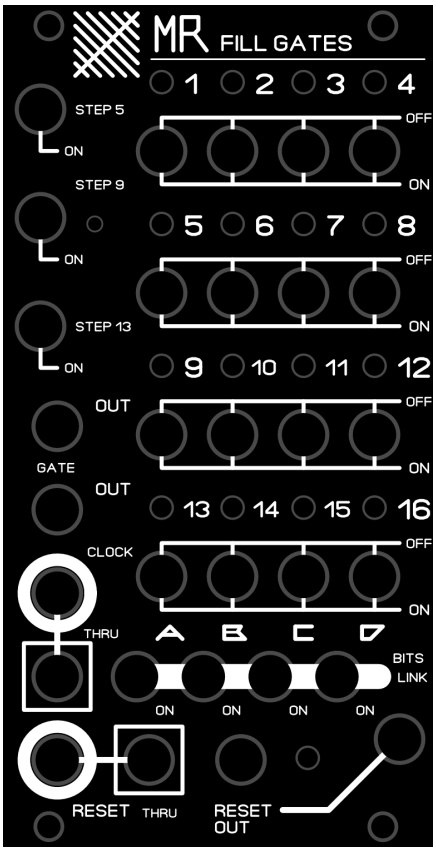
Mr Fill Gates 16 Step Gate Sequencer

Let's make sure you got the right reference guide. This is the module I will be discussing in the pdf.



This module requires an external module to supply a clock signal. You normally use a vco or lfo for example. You can use a square wave or pulse wave.

Once you patch a clock source you will see the led's step in sequence, and the bottom led blink to the speed of the clock.

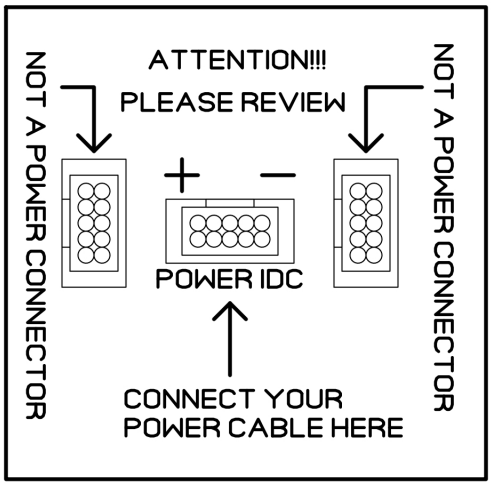
Initial setup is as follows: Have all the switches in the up position. For the 16 step sequencer switches, up is 'off' and down is 'on'.

If you wish to activate a gate signal, simple toggle down. Operation is straight forward.

The toggle switches on the left allow you to shorten the sequence by 12, 8, and 4 steps. The label on the panel refers to when the step will send a reset, so for example looping a 4 step sequence is labeled 'step 5'. You can also manually reset the sequence by using the push button. You can also patch into the 'reset' jack to automate the reset function by an external module. The 'thru' jack allows you to pass the patch cable to the next Mr fill gates module for easy multi syncing of all your sequencer tracks.

You get two gate outputs. These outputs can be patched to envelope generators, bass drum modules like the asteroid BD v4, or directly to another module's cv input.

Let's make sure you connect the module right and don't burn it out. The middle header is where you connect the power cable.



The other two idc right angle headers are for connecting two or more Mr Fill Gates modules.

If you own two or more Mr. Fill Gates modules, this is how to connect them up to use the front panel ABCD toggle switches. Please do all this with the power off to lower the risk of damaging anything.

1. On the first Mr. Fill Gates module connect the supplied 10 pin to 10 pin ribbon cable to the right angle header labeled 'OUT BITS'.
2. Connect the other end of the 10 pin cable to the second Mr. Fill Gates module's right angel header on the left labeled 'IN BITS'.
3. The first Module's ABCD toggle switches will not be used and will not affect anything if toggled. The second module's ABCD toggle switches are where you will link the data lines and experiment with crazy patterns. Both modules will need a clock signal. They do not have to use the same clock speed; you can experiment by using different clock rates for each sequencer.
4. If you connect more than two Mr. fill gates modules you simple follow the daisy chain. On the second module you would connect from 'OUT BITS' to 'IN BITS' on the third or next Mr Fill Gates module. Each module's ABCD toggle switches are simple acting as a 'yes I would like to link to the module before myself's data lines'. That is why module #1 does not use it's ABCD switches because there is nothing before it.

So what does this effect do? It allows for some interesting 'random, but still some musical pattern to it'.

At really fast clock rates, the sequencers can be audible or great for VCO modulation sources.