



## ALM037 / MEGA MILTON

### TECHNICAL SPECIFICATIONS

Power: +12V 70mA / -12V 70mA  
Size: 8HP  
Depth: 32mm

### Module Installation

With your modular synth powered **off**, connect the 10 pin end of the supplied standard eurorack power connector cable to the 10 pin power connector on the rear of the module.

The red stripe on the cable should be orientated to match the text 'RED' marked on the rear of the module near the power connector (this is -12V). Connect the other 16 pin end of the cable to your eurorack bus board (Refer to your bus board documentation for the correct orientation).

You are now safe to power up your modular synth. If the module fails to power up, check that you have the power cable correctly orientated and have carefully read the manual.

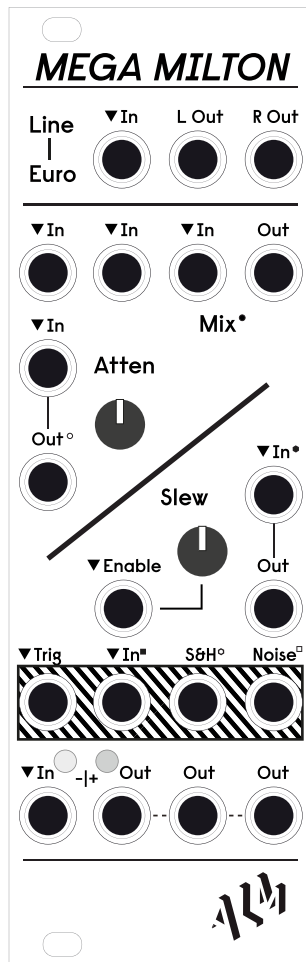
All ALM modules feature reverse power protection.

# MEGA MILTON <https://busycircuits.com/alm037>

The 'MEGA MILTON' is a smorgasbord of handy all analog utilities in just 8HP that will greatly extend the functionality of your Eurorack system.

It includes a stereo line input converter for incorporating line level external sources into a Eurorack system, a fixed 4 input mixer with breakout attenuator for combining signals, a gated slew limiter for adding slides to sequences, a sample and hold with analog white noise with a myriad of uses such as generative melodies or producing percussive textures and finally a buffered mult signal distribution with handy LEDs to monitor.

All sections are normalised to help with typical use cases such as generating random CV from the sample & hold section, a smooth random source from the slew output and breaking out a standalone attenuator from the fourth mixer input.



### LINE LEVEL INPUT SECTION

Amplifies a stereo line level signal to Eurorack level, splitting the stereo signal into two mono jack outputs. Fixed +12dB of gain can also be used to distort Eurorack signals.

### MIXER SECTION

Quad input summing mixer. Three inputs feature fixed -6dB attenuation. Forth Input features an attenuator control with an optional output that disconnects it from the main mix output if patched. All input DC coupled for both audio and CV.

### GATED SLEW SECTION

'Slews' an input signal slowing down or 'smoothing' its rate of change - for example can be used to add slides to pitch CV. Slew control increases the amount of slew. A gate signal patched to the Enable input will switch the slew on and off.

Output of S&H normalised to slew input when left unpatched.

### SAMPLE AND HOLD SECTION

Samples the input signal when a trigger is received via the 'Trig' input and holds the output signal at that level ('S&H' output). Also includes an analogue white noise output (approx 1.2Vpp) which is normalised to the S&H input when unpatched. High quality S&H technology is used with low 'droop rate' of held signal (well below 1mV/sec).

### BUFFERED MULT SECTION

Single input is buffered across 3 outputs. Input includes LEDs to show signal polarity. High quality buffer with very low offset.

### Support

Need help? Email your questions to [help@busycircuits.com](mailto:help@busycircuits.com)

For the latest news, additional info, downloads and firmware updates please visit the ALM website at [busycircuits.com](https://busycircuits.com)

Follow @busycircuits on Twitter and Instagram for news, tips and ideas.

Visit 'ALM TV' on Youtube for module video tutorials and demos.

### Limited Warranty

From the date of manufacture this device is guaranteed for a period of 2 years against any manufacturing or material defects. Any such defects will be repaired or replaced at the discretion of ALM. This does not apply to;

- Physical damage arising from mistreating (i.e dropping, submerging, 'modding' etc).
- Damage caused by incorrect power connections.
- Overexposure to heat or direct sunlight.
- Damage caused by inappropriate or misuse.
- Use of incorrect or non official firmware

No responsibility is implied or accepted for harm to person or apparatus caused through operation of this product. By using this product you agree to these terms.