

Mouse Controls:

Left click	Adjust parameters
Shift + left click	Adjust knobs with increased resolution
Ctrl + left click	Set a knob to default value
Right click	Include / exclude parameter in randomization (blue outlined parameters will be randomized)
Ctrl + right click	Assign a random value to knob

Synth Controls:

rnd (randomize)	Randomise all parameters
rst (reset)	Reset the audio and the auto-gain algorithms
init (initialise)	Reset all parameters to their default values
r (randomise)	Randomise the parameters on each unit

Hovering the mouse over control parameters will show information in the tool tip info display.

Performance:

ommarunn has been created with sound design in mind, making it fairly CPU hungry. Below are a few tips to help you tame it:

- Increase your sound card's buffer size.
- Randomization algorithms are CPU intensive (especially the randomization of additive synthesis frequencies). Exclude the parameters you do not need from randomization.
- For arpeggios, set the synth to mono and adjust the glide.
- Increasing the unison will increase the CPU load.

If an oscillator is 'turned off' – that does not necessarily mean it is not participating in creating the sound. Even if an oscillator is muted, it will still modulate the frequency, amplitude, phase and filter frequency of the other oscillators.

For example, If **OSC 1** is **ON** – but has its amplitude modulated by **OSC 2**, then **OSC 2** is also **ON**. Likewise, if **OSC 2** has its frequency modulated by **OSC 3**, then **OSC 3** is also **ON**. Etc.

If an ommarunn oscillator is **ON** - this means that there are **6 oscillators** (sine, triangle, saw, square, additive oscillator, white noise) running at the same. So, if everything is **ON**, you are hearing 36 oscillators modulated by 30 LFO's, modulating each other, and themselves. Not forgetting the rest of the processing - filters, reverb, delay, etc...

Try to be aware of what you need, deactivate any parameters that you believe are not essential.

Enjoy :)

<http://iraisynn.attinom.net>