

therevox

ONDES VCO
USER MANUAL

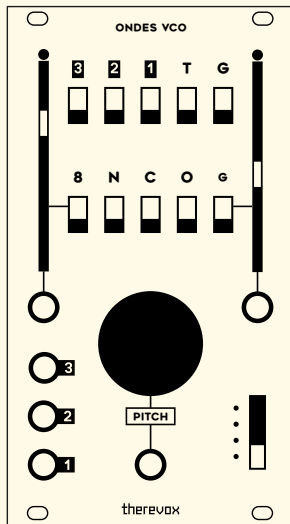
The Ondes Martenot is one of the first electronic musical instruments, originally designed in 1928 by cellist and wartime radio telegrapher Maurice Martenot. In the 52 years that followed, the instrument was in continuous development.

By 1975 the vacuum tubes were replaced by solid state electronics allowing for many new and unique timbral combinations.

The Ondes VCO re-creates these sounds from the original hand-draw schematics provided by and with guidance from Jean Landry who was responsible for repairing many Ondes Martenot in Canada.

To interface with the synth world, we have added a 1V/OCT pitch input, 4-position octave switch and VCAs for two waveforms.

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These are switchable outputs allowing for multiple output paths. Used on the Ondes Martenot for routing to different diffuseurs.

T

Tutti is a preset mixture of all waveforms. This switch overrides all of the other waveform settings.

G

Gambe is an asymmetrical square wave that has a fixed duty cycle of approximately 35% & 65%.

8

Octaviant is mainly 2nd harmonics generated by a rectified sine wave. This waveform has a dedicated level control slider and CV input.

N

Nasillard is a unique fixed-length narrow pulse wave that is rich in higher harmonics.

C

Creux has hollow sound generated by the core triangle wave but with the upper and lower crests soft-clipped flat.

O

Onde is a unique sine wave that sounds pure at high notes and becomes more harmonically complex in the lower register.

G

Petit Gambe is a mellow square wave with it's own low-pass filter. This waveform also has a dedicated level control slider and CV input.