With over 16 years of research into what makes the ondes Martenot a singular electronic instrument, this revolutionary compact design from Japan brings accessibility, ease of transport and playability to Maurice Martenot’s original vision.

With Onomo you can bring the music with you anytime and anywhere, packing an impressive list of features into a fully contained instrument that’s just 64 cm (25”) wide. Equipped with a powerful built-in speaker, all you need is a power outlet to instantly connect to the haunting, unmistakeable characteristics of sound that the Ondes Martenot is famous for.

It is with the goal of sharing this expressive, dynamic electronic instrument that inspired the creator to devote himself to this legacy of love.
• 4 octave keyboard with lateral movement for natural, expressive vibrato
• Ring controller for continuous control over pitch across full keyboard range
• Highly expressive ‘Touche d’intensité’ for minute control over volume
• Martenot-inspired ‘Tiroir’ (control box) with timbre, mixing and pitch controls
• Analog oscillators hand-soldered and assembled in Tokyo, Japan
• Outputs: 1 powered 1/4” (speaker / diffuser) and 1 stereo line-level 1/4”
• Accessories: Legs / Power Adapter / Volume pedal (optional)
TECHNIQUES AND EXPRESSION

Like a stringed instrument wherein the position of the left hand determines the pitch and the right hand the expression and volume of the instrument, the Martenot splits its controls for sound creation between your two hands. The pitch is controlled with the right hand, using either a ring attached to your index finger or the keyboard, and the left hand controls the dynamics and articulation with the ‘Touche d’intensité’ and the timbral controls of the ‘Tiroir’.

DESIGN AND CONSIDERATIONS

Each part of the Ondomo was painstakingly designed to accurately reproduce the highly sensitive elements of the ondes Martenot. From the ‘Touche d’intensité’, often referred to as the ‘soul of the instrument’, to the keyboard with its unique lateral vibrato.

The ‘Tiroir’ is a hybrid of several generations of Martenot’s designs, and offers a wide variety of timbral and momentary pitch controls, in addition to the impressive three output mixer.

SPEAKER

The Ondomo features a powerful built-in speaker, allowing you to perform without the need to bring additional heavy equipment.

We have also ensured compatibility with the original range of Martenot’s diffuser / speakers (Palm, Metallic Resonator, etc.). Recreations are on the horizon.
RING TUNING PROCEDURE

1. Press and hold both the P and K buttons (A) while Ondomo is powered off.
2. While holding the buttons down, turn on Ondomo’s power switch (B).

When the TOUCHE (C) lights up, and no other lights are lit, release the P and K buttons.
3. Move the Ring to the highest C of the keyboard.
4. Press the K button (A). The LED will illuminate.
5. Move the Ring all the way to the lowest C of the keyboard.
6. Press the P button (A). The LED will illuminate.
7. Press the center GAMELAN button (D).
8. Tuning is now complete.
**TIMBRE FINE-TUNING**

A knob:
Changes the width of the pulse wave. Turning this knob clockwise will result in a more distinctive, nasal tone, but the sound will be more susceptible to cutting-out in the higher frequencies.

C knob:
Changes the amount of peak-limiting of the waveform. Turning it fully clockwise will result in a similar timbre to GAMBE. Turning it fully counter-clockwise will result in a similar timbre to ONDE.

**BALANCE ADJUSTMENT**

The volume of the N, C, O, G timbres can be individually adjusted by using a small flat-head screwdriver. By default, O is maximized, and N, C, and G are set to an equivalent volume.

**MIXER**

1 slider:
Adjusts the volume of the internal speaker.

2 slider:
Adjusts the volume from the powered output (1). (Figure below, Tiroir left side).

3 slider:
Adjusts the volume from the right channel of the stereo line output (2).

4 slider:
Adjusts the volume from the left channel of the stereo line output (2).

**OSCILLATOR WAVEFORMS**

Each button activates a different sound waveform / timbre. Using different timbres simultaneously allows you to produce a wide variety of sounds with Ondomo.

- **N: NASILLARD** - Pulse wave
  Similar in timbre to a bassoon in low registers.
- **O: ONDE** - Sine wave
  Similar in timbre to a flute or ocarina.
- **T: TUTTI** - All waveforms simultaneously.
- **8: OCTAVIANT** - Sine wave with 1st overtone on the octave
  The degree to which the harmonic is present is adjusted with the slider (3).
- **C: CREUX** - Peak-limited triangle wave
  Similar in timbre to a clarinet in high registers.
- **G: GAMBE** - Square wave
  Similar in timbre to stringed instruments.
- **G: PETIT GAMBE** - Square wave
  Similar but less harmonically-rich timbre than GAMBE.
  By adjusting the slider (4) your output can sweep through the full range of waveforms present between the ONDE and GAMBE.

**TOUCHE / INTENSITY KEY**

Controls the volume of the sound during performance. It remains silent until pushed; the volume is adjusted with very careful application of pressure.

**SWITCHES**

P switch:
Changes priority from high note (LED lit) to low note when two or more keys are played at the same time.

K switch:
Activates the “click envelope” mode when using the keyboard.

**GAMELAN BUTTONS**

Increase the pitch by adding 2, 4 and 7 semitones (from left to right). Each button works independently, and it is possible to increase the pitch by various semitones up to an octave by using them in combination. GAMELAN work in both Keyboard and Ring Modes.

**OCTAVE SELECTION**

Four ranges of octaves can be selected: C1-C5, C2-C6, C3-C7 and C4-C8. The middle button switches between the two middle octave ranges.

**FINE-TUNING KNOB**

Adjusts the tuning of the keyboard.

**KEYBOARD / RING MODE**

C/B (clavier / bague) switch:
Switches between the Keyboard and Ring performance Modes. On start-up, the Keyboard Mode is active by default.
It is possible to connect a total of 3 outputs, and by adjusting the use and intensity of each diffuser (speaker) from the Tiroir, you can achieve various ambiances.

A: Powered ¼” output*. Adjusts the volume of the internal speaker.
B: Stereo line-level ¼” output. A stereo to dual mono y-cable allows you to connect two separate outputs.
C: Power input 12V.
D: Power switch.

E: A standard expression pedal can be connected to the ¼” jack on the right side of the Tiroir. The foot pedal takes on the role of the TOUCHE allowing for two-handed passages to be played on the keyboard.

* As Ondomo was designed to connect to its own specially-made diffusers, connecting directly to musical instrument amplifiers etc., may damage to the connected equipment.
DIMENSIONS

- Width: 64cm - 25 3/16"
- Height: 15cm - 5 15/16"
- Depth: 17cm - 6 11/16"
- Height (with attached legs) lid closed: 77 cm - 30 5/16"
- Height (with attached legs and music stand): 104cm - 40 15/16"
- Weight: approx. 6kg - 13 1/4 lbs

All products, specifications and data are subject to change without notice to improve reliability, function, design or otherwise.
Ready to play?
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