

Product Resources – Osmose

Expressive E, in collaboration with Haken Audio, releases Osmose, the new standard for musical expressivity. This standalone polyphonic synthesizer unlocks new ways to control sound with familiar gestures (press, bend, shake, & more). It features a deep sound-design engine and hundreds of ready-to-use, innovative presets. It also functions as a powerful controller for hardware & software synthesizers.

Product description

Combining traditional craftsmanship with modern technology, [Osmose](#) is the result of more than 10 years of research and development, as well as feedback from world-class artists. Osmose introduces new physical gestures, allowing musicians to interact with sounds and produce music. It does this while not only respecting, but also enhancing the player's existing keyboard skills. Every note can be articulated independently with unique expressive possibilities.

The EaganMatrix Sound Engine

Offering new levels of expressivity required a seamless interaction between Osmose's unique keybed mechanism and its sound engine. Logically, Expressive E has partnered with [Haken Audio](#) to integrate its powerful EaganMatrix sound engine with Osmose.

Its modular sound engine combines many types of digital synthesis (including physical modeling, FM, and more), making it a workflow-oriented soundbox. Osmose ships with more than 500 presets, and each of them has been manually customized with efficient macros that open new realms of sound exploration.

A playful playing experience

All the internal sounds in Osmose's large library are tailor-made to take advantage of its unique keybed. Osmose's unique sound identity is a combination of highly detailed acoustic, electronic, and hybrid sounds that will easily add nuances and variations to any music genre.

These sounds were carefully crafted to react to a player's slightest movements and make use of the keys' three-dimensional sensitivity in a unique way to create effects such as strummed notes, vibrato, legato, layered dynamics, and much more. As a result, discovering and controlling Osmose's sounds is refreshing and fun!

Built to empower external synths

On top of being a traditional MIDI keyboard controller, Osmose can also interface with computers and other instruments as an MPE MIDI controller. It also offers polyphonic aftertouch support, a Multichannel MIDI mode, and global pitch bend. All of these changes can be made directly from the Osmose interface, with no need for a computer.

Osmose features

Keybed:	49 full-size keys with three-dimensional control
Configurations:	Standalone synthesizer, MPE MIDI Controller, and classic MIDI Controller
Sound Engine:	EaganMatrix, a digital modular engine by Haken Audio
Polyphony:	Up to 24 voices
Interface:	Color LCD screen, pitch and modulation sliders
Pedal Inputs:	2 continuous pedal inputs, assignable to sustain or synth parameters
MIDI:	DIN MIDI In, MIDI Out/Thru, USB Type B
Audio Output:	Two ¼" TS pseudo balanced line outputs, ¼" TRS headphone output
Dimensions:	894 x 316 x 87.5 mm / 35.2" x 12.4" x 3.4"
Weight:	8.3 kg / 18.4 lbs
Power:	External PSU with lockable connector, 12V, 1.5A, center positive
Software:	Software updater for new firmware and library versions A Mac/PC editor to create and edit sounds

Answers to frequently asked questions

Up-to-date information is available in the Osmose section of Expressive E's online knowledge base:
<https://expressivee.happyfox.com/kb/section/49/>

Artist Quotes

“The presence of Osmose inspires a pleasantly unusual vibe.”

— A.R. Rahman (Grammy-winning composer & film scorer, 127 Hours / Slumdog Millionaire)

“There is nothing out there like this.”

— Junkie XL (Multi-platinum producer, 300 / Mad Max: Fury Road / Deadpool)

“It’s a game changer.”

— Mike Dean (Grammy award-winning producer Kanye West, Jay-Z, Madonna)

“The level of expression you can get on this real keyboard is unprecedented. It’s unbelievable!”

— Bill Laurance (Grammy award winner, Snarky Puppy)

“This instrument is a dream come true.”

— Jordan Rudess (Grammy-nominated Dream Theater virtuoso)

“Osmose sounds and feels amazing.”

— Cuckoo (Musician, music educator, synthesizer enthusiast)

“I was getting so much expressiveness out of one sound, it’s crazy!”

— Peter Dyer (Musical director, sound designer, and producer/, keyboardist for Mariah Carey)

“Osmose is an incredible step forward in the world of keyboard instruments—it opens up a whole new realm of expressivity.”

— J3PO (pianist/keyboardist and producer/keys for Marcus Miller)

“In terms of expressivity, this is definitely something I’ve never felt before.”

— Virtual Riot (DJ and electronic music producer)

“Osmose opens up a whole new world of subtle control for keyboard players.”

— Gavin Greenaway (Emmy award-winning pianist, composer, conductor for Hans Zimmer)

About Expressive E

Expressive E is a French electronic instrument manufacturer, whose mission is to improve the way musicians interact with sounds by creating a much more intuitive and powerful music-making experience. Their goal is to allow a seamless connection between artists and their instruments.

Expressive E has created the award-winning [Touché](#) and [Touché SE](#) MIDI controllers, as well as the [Arché](#) physically-modeled instrument range, and multiple creative soundbanks, including the [MPE Collection](#). Its first standalone hardware synthesizer, [Osmose](#), sets a new standard for music

expressivity and pushes the limit of keyboard expression. It is an easy-to-use electronic instrument that unlocks new ways to control sound via familiar gestures (press, bend, shake & more). Osmose provides multidimensional control of each note while respecting the player's original keyboard skills.

About Haken Audio

Before the partnership with Expressive E, [Haken Audio](#)'s EaganMatrix sound engine was reserved exclusively for the company's Continuum Fingerboard and ContinuuMini instruments.

The members of the Haken Audio team each have over 25 years of experience working on experimental sound design. Founder Dr. Lippold Haken began work on the Continuum in the early 1980s, and over the past decade has worked with Edmund Eagan on developing the EaganMatrix, a sound engine inspired by modular synthesizers that's optimized for the three-dimensional finger movements of the Continuum Fingerboard.

Social media links

Instagram: https://www.instagram.com/expressive_e/
Youtube: https://www.youtube.com/channel/UCAKc3_QTczvh5WFSZrdc6og
Facebook: <https://www.facebook.com/Expressivee.Music/>

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