

embodme

Press Kit

em·bod·i·ment

« the representation or expression of an idea, quality, or feeling in a tangible or visible form »

Embodme takes its roots from 5+ years of research in music technology, audio engineering and robotics labs carried by Edgar Hemery, now CEO of Embodme, following his PHD thesis in Music Interaction Design.

Our instruments carry high tech components and advanced algorithms for one sole purpose: bridging the gap between electronic music and human expressivity.



Embodme, The Team



CEO

Edgar Hemery

5+ years of R&D in
gesture-sound interaction

PhD Mines ParisTech
IRCAM
Telecom ParisTech
University of Edinburgh



CTO

Mathieu Frohlich

5 music products
in market

Squarp Instrument, Fr
Professionnal DJ & Producer
Electronic Engineer



COO

Alexandre Panizzoli

GTM strategy for a 1MUSD+
distribution channel

Devialet, Business dev, USA
Studio Synesium, founder
IRCAM / Telecom ParisTech



Chief Design Officer

Nicolas Régentête

Ex lead product
designer at Devialet

Devialet 5y
Saguez & Partners 2y
Creatio agency 9y



Engineer R&D

Etienne Santoul

AI Data science Expert

Python / C++
Boston University
MSc Mines ParisTech



Engineer R&D

Joshua Tuckey

Physicist

Digital signal processing
& Acoustics
Python / C++
Ecole Normale Supérieure,
Paris Saclay



Sound engineer & artist

Altaïr Sommereau

Artist

Expressive instrument
researcher
Social media director



Creative director

Omar Hamadeh

Creative director for +3y
in France, Lebanon
& Denmark

Venus Bleeds / Jellysmack
Interstice Magazine / PlayProp
Universal Music Group

Ecosystem.





Meet with Erae Touch

KICKSTARTER

begins on october 14th 2020

Press release

starts now

ERAE TOUCH

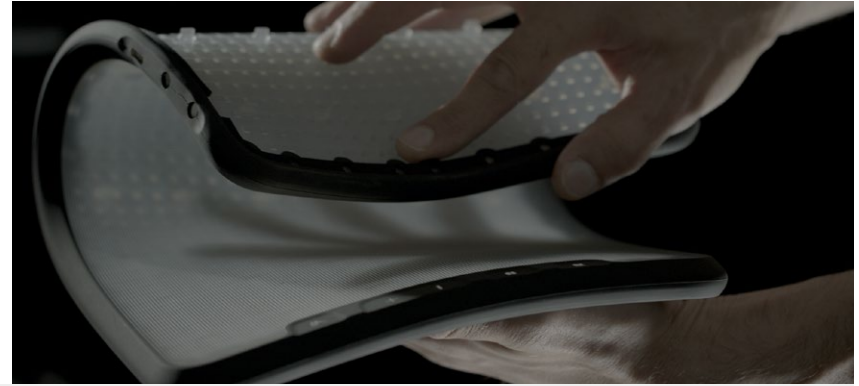
Experiment, compose, perform

Erae Touch is a MIDI Polyphonic Expressive Controller. It is born out of a desire to combine both sensitivity and versatility in a seamless object. Experimentation on the surface comes flawlessly bringing musician closer to their original intent and ideas.

18 inch semi soft silicone unibody

To capture the musician's playing nuances and full emotions, we had to be as fast and sensitive as possible.

Over three years and a dozen prototypes we refined the hardware and software, experimenting with all kind of materials and processes. The result is a low coating surface enabling a large range of expressive multidimensional gestures, from smooth glides to hard hit from a drum stick.

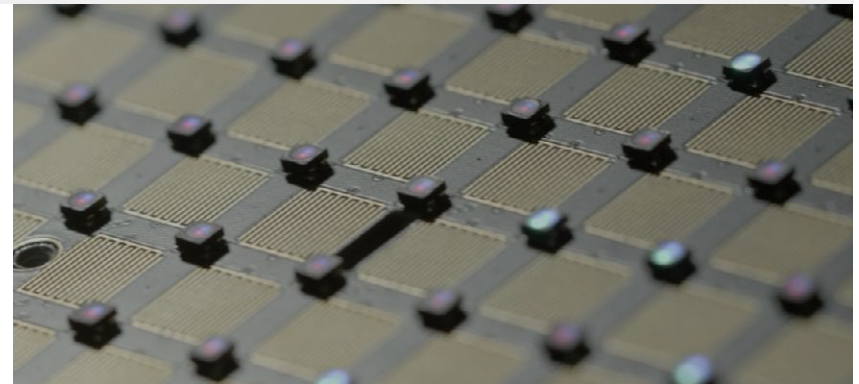


Customize your Experience

Create and customize your interface for a unique performance. The companion software Eræ Lab allows you to fully customize the built-in 1000 LED array. Intuitive and fun to use, create your layouts with a high degree of fine tuning ability.

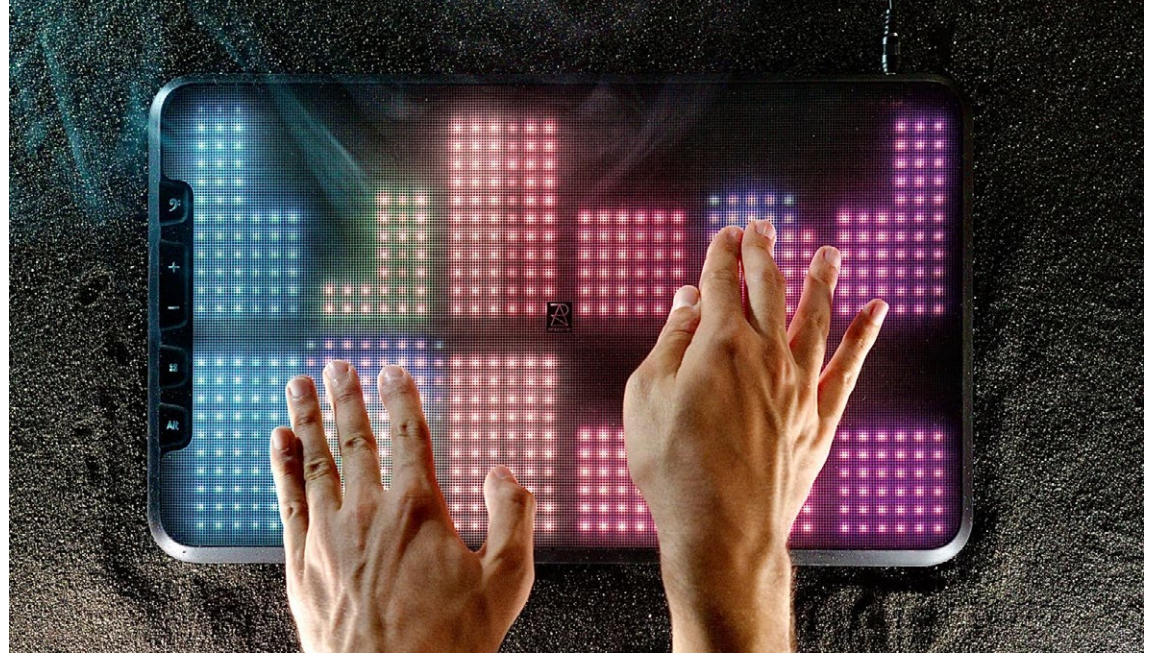
One surface, a thousand sensors

The Eræ Touch is the first musical controller to embed more than a thousand high quality Force Sensitive Resistors (FSRs). Eræ Touch is both ultra sensitive and extra large, to open up possibilities and gives you more space to explore and express yourself.



Lyrical, Textural, Percussive

Compose, Mix and Perform from a single instrument. Play melody with **polyphonic expressivity**, control multiple parameters on a single note.



Enabling 6 types of Polyphonic touch sensing per note:

- + Strike velocity
- + Z-axis pressure (bend and after-touch)
- + X or Left-Right axis (slide)
- + Y or Up-Down axis (glide)
- + Released velocity (lift)



Velocity



Lift



Aftertouch



Glissando



Polyphony



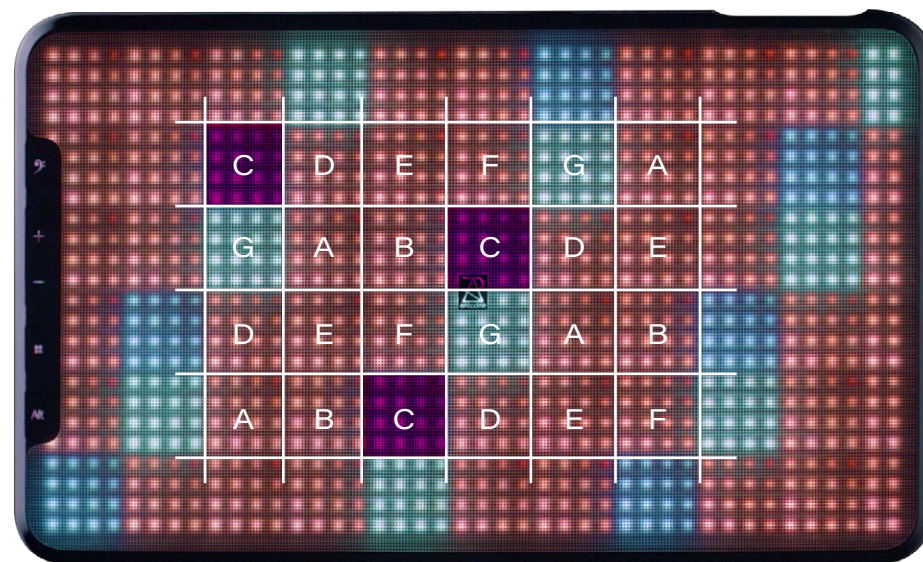
Grid based representation

Choose your key and display notes belonging to the scale. Inspired by stringed instruments, each line is separated by a fourth.

It can be turned into an isomorphic representation to help in deeper exploration of musical harmony and even to inspire new musical ideas.

Scale selection on the fly

Retune and change scales accessible from the key selection button. Never hit the wrong note unless you want to go chromatic or even microtonal!



C Major scale

Transportability



Fits in your bag with its laptop size and weight. Carry it everywhere, from your bedroom to the studio or on stage!

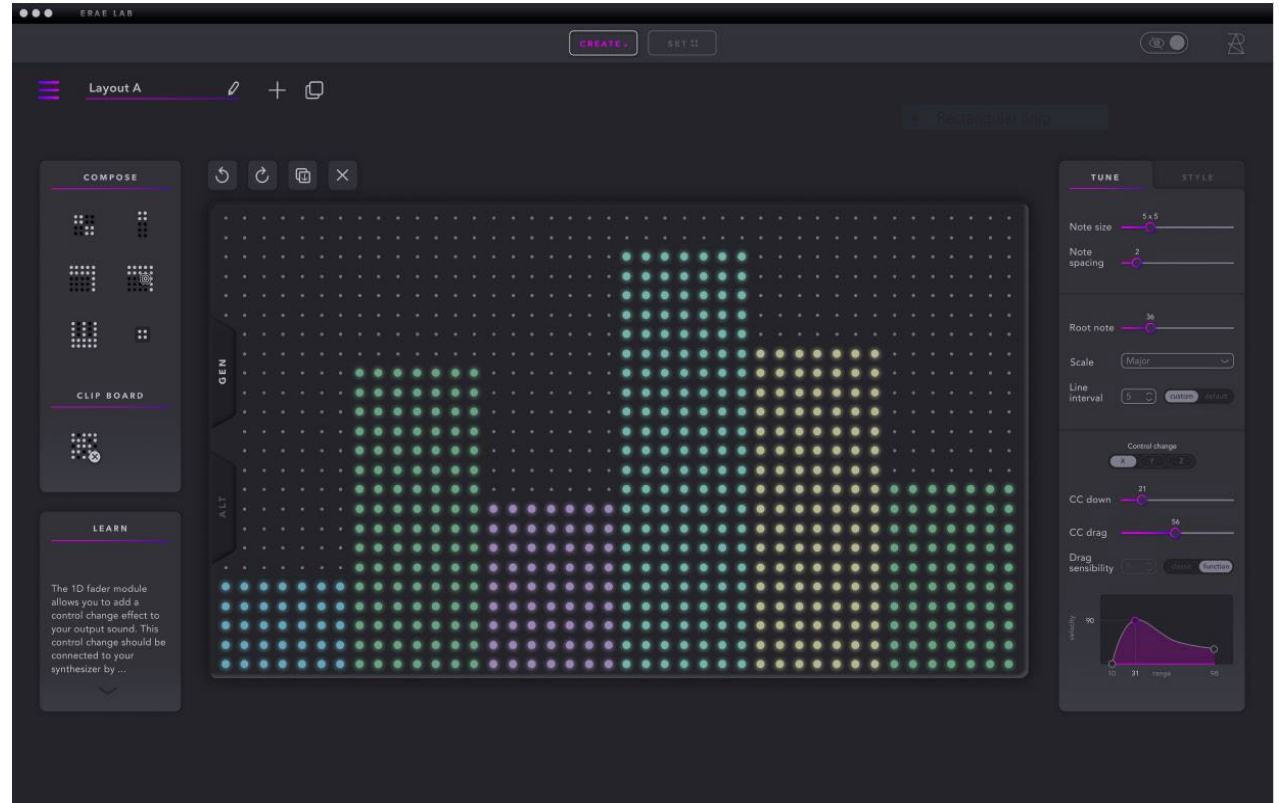
Erae LAB software

The Erae Lab allows you to customize your display and quickly map your Erae Touch.

Create your own interface by drag & dropping simple elements (buttons, sliders, XYZ pad, keyboards...). Adjust sizes, colors and add animations.

Map midi control changes in 3D, route channels and adjust velocity curves .

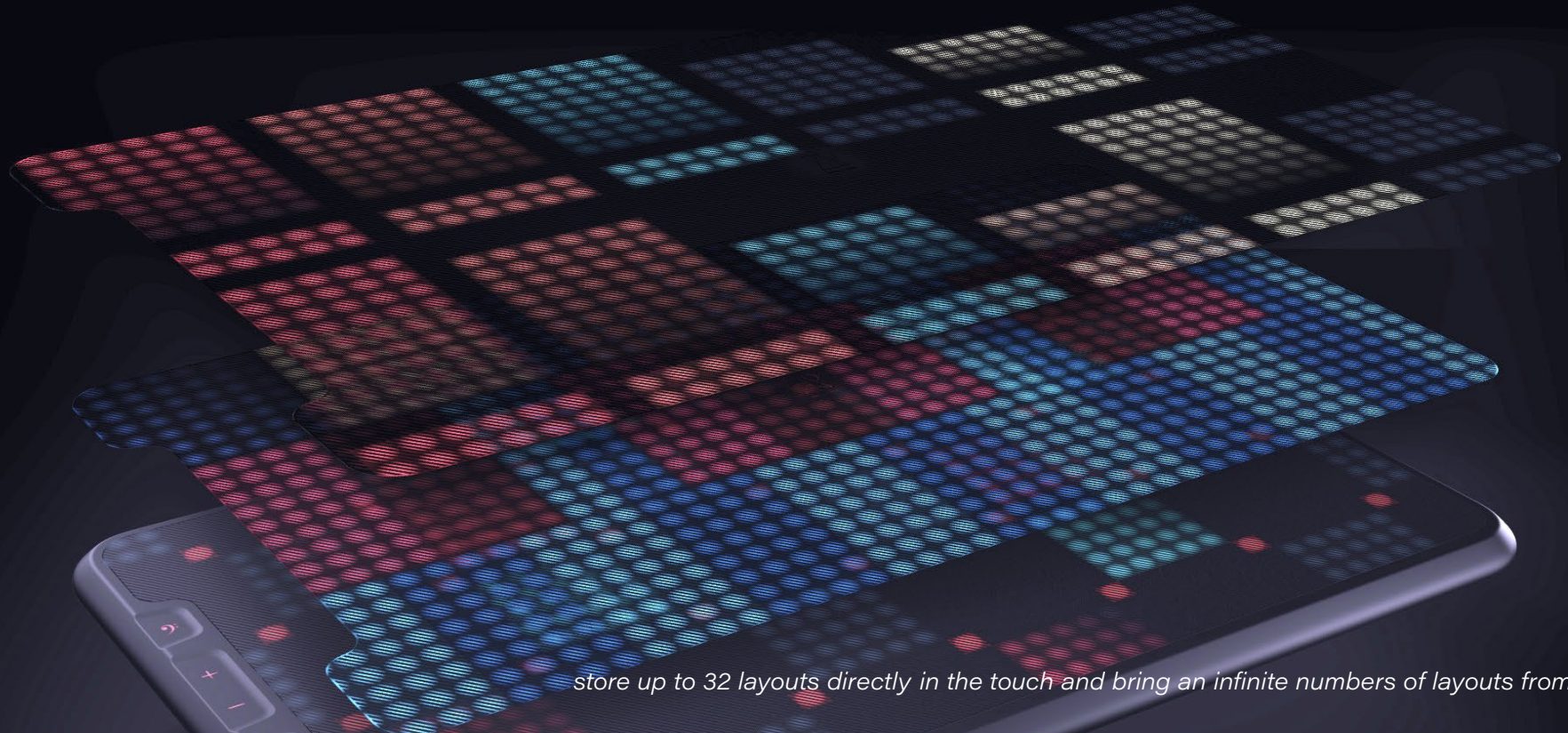
Enhance your creative workflow by assembling an infinite number of layouts : play a lead on a keyboard and adjust sliders on one layout or switch to a launchpad within a click.



*View and test your layouts as you edit them with a mirror view on the pad.
Experiment different sizes and visual feedback with dynamic colors and trails*

Switch effortlessly between layouts

Access pads, sliders, drumpads, mixers and an infinity of combinations using split modes within just a click.

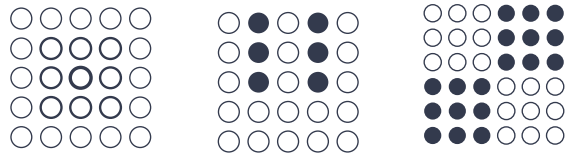


store up to 32 layouts directly in the touch and bring an infinite numbers of layouts from the Lab

Customizable elements

From Actions Keyboards Adjustments To Rhythmic

Spatial element



xyz Pad

Keyboard

Isomorphic

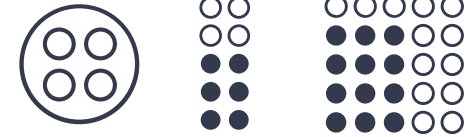
Temporal element



Sequencer

Arpeggiator

Mix element



Button

Fader

Fader 2D

Take control

The USB-C and MIDI-trs connection will give advanced control to any digital audio workstation or MIDI compatible synthesizer.



DC
power

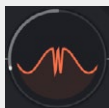
mini jack
MIDI 2.0

usb
type-C



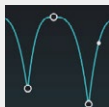
AUDIODAMAGE

Erae Touch comes with **CONTINUA** by Audio Damage, a fully-featured virtual analog morphing polysynth. Whether you are familiar with MPE or never heard about it, our presets reveal the Erae Touch expressive capabilities.



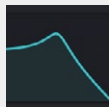
Oscillate!

Three continuously morphable oscillators.



Filter!

two morphing state-variable filters



Modulate!

two ADSRs and two Flexible Envelope Generators, plus four LFOs



Control!

full and extensive MPE support

CONTINUA View: Osc/Filter Modulation Macro Preset: Flying To Tyrell Settings AUDIODAMAGE

OSC 1: Warp 0.31, Shape, Skew 0.47, Transpose +0, Level 80.0%, Filter 1, Filter 2, FM 0.34, Osc2, Osc3

OSC 2: Warp 0.32, Shape, Skew 0.85, Transpose +0, Level 80.0%, Filter 1, Filter 2, NOISE 1.00, Color, Level 1.8%

OSC 3: Warp 0.48, Shape, Skew 0.74, Transpose +0, Level 80.0%, Filter 1, Filter 2, DRIVE Hard Clip 0.64, Amount, Pre, Post

FILTERS: 1. 2 Pole 482 Hz, 4 Pole, Morph 0, Pan -0.24, Level 85.1%. 2. 2 Pole 938.1 Hz, 4 Pole, Morph 0, Pan 0.28, Level 80.4%

ADSR 1, ADSR 2, FEG 1, FEG 2: Breakpoint: 2, Time: 1/4, Level: 32%

LFO 1-4: Warp, Shape, Skew, Phase, Freq, Retrig, Level

SAMPLE & HOLD: Sync, Rate 1/8, Retrig, Level 0 dB

VCA: Sync, Rate 0.27, Retrig, Level 100.0%

Press highlights

musicradar.

"A super-playable pad from Embodme"



Midifan

*"The panel can play nuances, react with very low latency,
and achieve a wide range of dynamics"*

 **GEARNEWS**

*"the Erae is meant to be played live,
not just a fancy studio tool"*

**SYNTH
ANATOMY**

*"A new MPE MIDI controller
that is fully customizable"*

AMAZONA^{©DE}

*"Erae Touch also supports MPE and MIDI 2.0,
making it ideal for the latest generation
of musical instruments and plug-ins."*

Spec sheet

CONNECTIVITY

POWER DC12V
USB-Type-C
MIDI ¼" TRS

WHAT'S IN THE BOX

USB Type C to A cable
MIDI ¼" TRS to DIN adapter
Power supply
Continua soft synth full license by Audio Damage

DIMENSION

Width: 404mm (15")
Length: 244mm (9.6")
Height: 16.5mm (0.6")

WEIGHT

2.5 Kg

MATERIALS

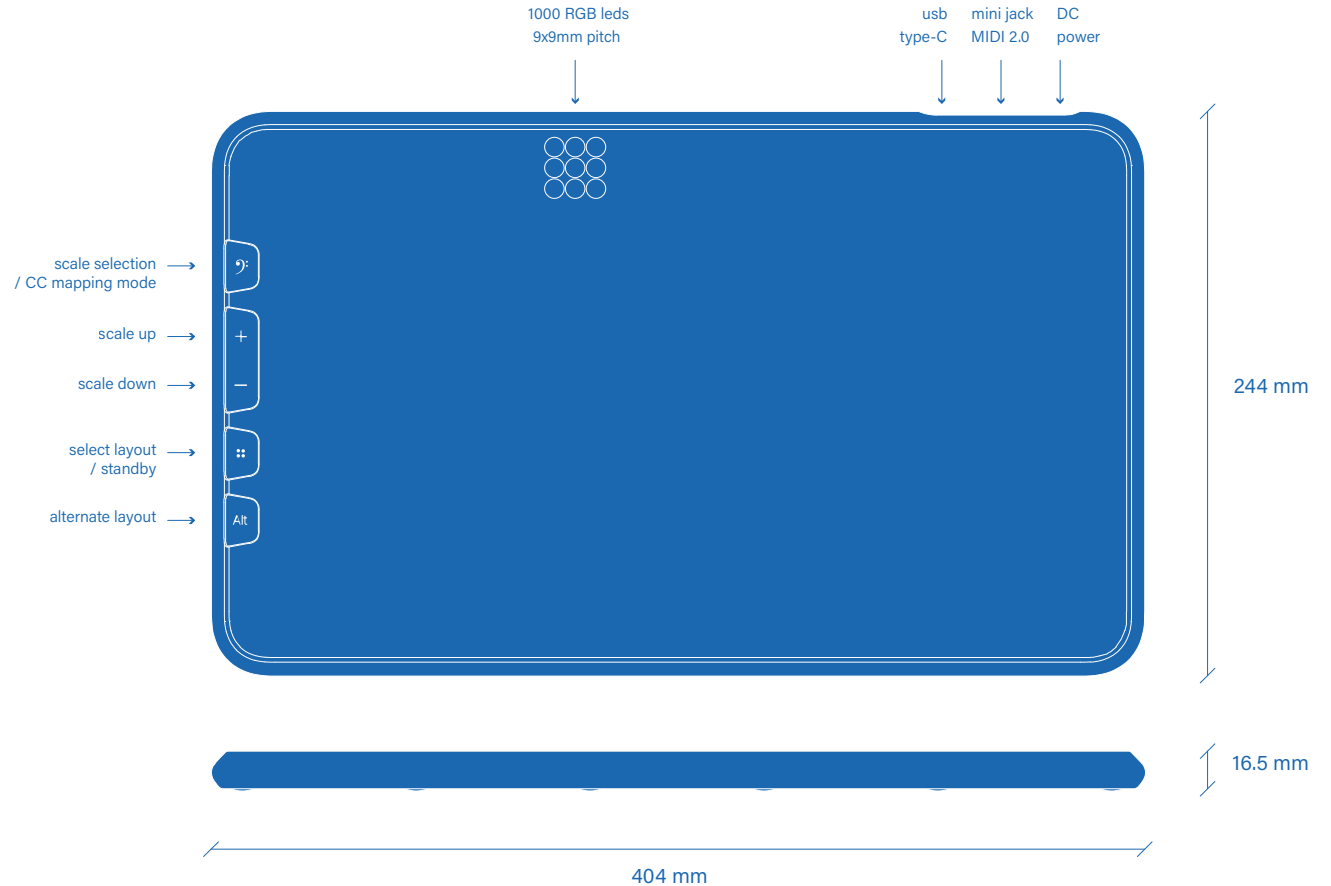
Molded silicone rubber body
Aluminium backpanel

ACQUISITION SYSTEM

42x25 FSR sensor matrix with custom interpolation system
- 100 um XY precision
2kHz internal stroke speed detection
Global latency <1ms

INTERFACE

42x24 18 bit RGB LED
5 configurables tact switches



FIRMWARE

Upgradeable firmware through ERAE LAB

SOFTWARE

ERAE Lab: Configuration Software
macOS / Windows 10 / Linux

SOUNDS & PRESETS

Continua soft synth by Audio Damage
Erae Lab shareable layouts and presets



Brand Guidelines

Download brand guidelines

PDF

ZIP



Digital Artwork

Download Artwork

embodme color palette

r 175
v 180
b 205

r 75
v 90
b 130

r 30
v 35
b 50

r 0
v 185
b 155

r 200
v 55
b 125

r 30
v 35
b 50

r 105
v 135
b 175

r 76
v 68
b 97

r 75
v 90
b 130

