

MAPU
SPEAKERS

TIMELESS CRAFTS
NATURAL SOUND





HANDCRAFTED FROM NATURE

Engineered by acoustic experts

Mapu Speakers embody a fundamental shift towards material transition and decentralization of mass production within the audio industry.

By utilizing sustainable, locally sourced materials like clay, wool and cork, we challenge the dominance of non-renewable resources and advocate for an eco-conscious approach to product design.

Handcrafted in small workshops in Germany and Portugal, our award-winning systems merge ancestral craftsmanship with advanced Danish acoustic, delivering exceptional sound clarity, powerful bass, and compact design that honors both craftsmanship and cultural heritage.

This decentralized model not only supports local economies but also preserves traditional techniques, infusing every speaker with a unique story.

Our mission isn't to compete with the status quo but to inspire a shift towards a more collaborative and sustainable technology industry.

An eco-friendly high-tech product to re-think crafts and production methods

At Mapu Speakers, we believe modernity and craftsmanship can thrive together, blending the timeless value of traditional arts with forward-thinking design.

Each speaker is a statement of local artisanship, crafted by skilled hands from different corners of the world. By decentralizing mass production, we address the environmental, social, and cultural challenges posed by conventional manufacturing.

We want to demonstrate that a more conscious, collaborative, and inclusive way of production is possible.



Collaborative & Cooperative Production



Regional Craftsmanship & Cultural Heritage



Eco-friendly Materials



MODELS



MAPU PRETO

The traditional pottery of the town of Molelos reaches its distinctive black colour through a firing technique that creates an oxygen-reduced atmosphere. Red iron in the clay turns black, giving birth to Mapu Preto (*black earth*).



MAPU SOENGA

The *Soenga* firing-technique (UNESCO cultural heritage). Fire is lit below a pre-heated pile of ceramics, and after reaching 1000°C, air-tightly sealed with soil. The flames leave distinctive silver patterns, making every one of them a unique piece of art.

ONGOING ARTIST COLLABORATION

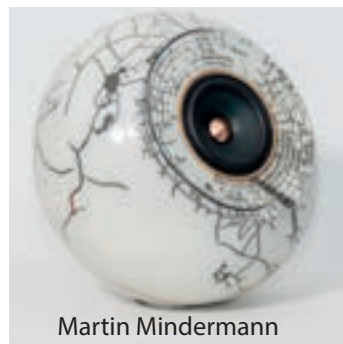
This initiative highlights the project's potential through a collaboration with artisan potters, showcasing their individual style and artistry.



Lisa Rosemann



Luisa Costa



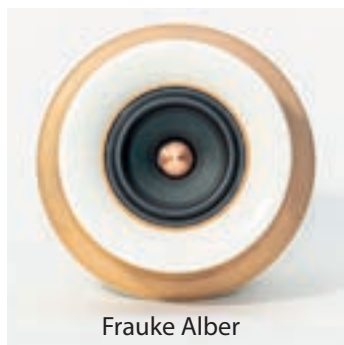
Martin Mindermann



Kathrin Jacobs



Soyeon Starke-An



Frauke Alber



Tanja Möwis

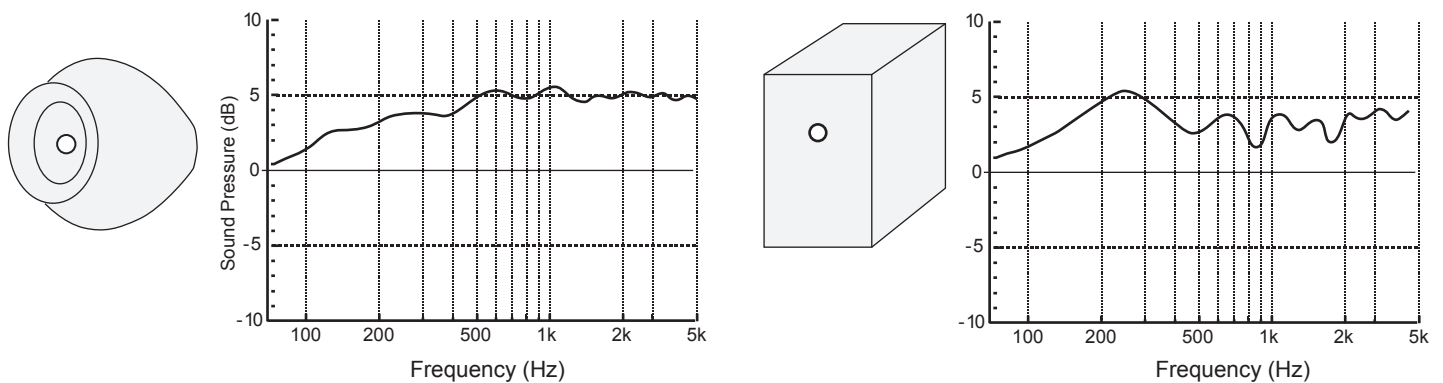


Frauke Alber

ACOUSTICAL ADVANTAGES

Listen outside the box: why rounded cabinets offer unbeatable audio fidelity

The spherical shape and the absence of parallel walls significantly reduces standing waves and internal acoustic cancellation, additionally, the rounded “one-piece shape” of the cabinet is structurally more rigid than common speakers, reducing unwanted mechanical vibration and distortion, resulting in a more clear, accurate, and enveloping sound.



* Effects of different enclosures in the final frequency response of a loudspeaker (excerpts of measurements of Harry Olson)



QUALITY & SUSTAINABILITY

Why Mapu Speakers are a sound investment for a more humane future:

Local Production: Our production methodology allows us to produce in small, local pottery workshops. Supporting artisanal communities, preserving culture and identity.

Sustainable Materials: We meticulously select local suppliers and materials, like clay, wood, wool, cork, and copper, leaving the smallest footprint possible. The use of regional materials imbues each series with unique aesthetics, reflecting local cultures and identity.

Energy Efficiency: We've implemented power management that minimizes energy consumption, without compromising on performance.

Durability and Longevity: Mapu Speakers are built to last, using durable materials and a repairable design that can be easily disassembled — No complex tools or instructions are required.

Eco-Friendly Packaging: We extend our commitment to sustainability beyond the product itself. All our packaging materials are reusable and/or compostable, ensuring a minimal impact on the environment.



MATERIALS

Every MAPU speaker is a unique, numbered piece, handcrafted from individual components.

Each unit represents the perfect harmony of technology and traditional craftsmanship.



Clay

After the firing process of over 1.000 °C, the clay becomes a very strong material with high density, which minimizes natural oscillation. The spherical asymmetric shape of the cabinet avoids internal cancellations (acoustic nulls, a common issue in squared enclosures) and prevents unwanted resonances that could reduce audio quality.

This acoustically advantageous shape is extremely challenging to craft from wood. Alternatives like high-density plastic or cast aluminum are possible but come with significant environmental impact.

Electronics & Connectivity

Our active speakers feature state-of-the-art electronics, including Class-D amplifiers, BT V5.0/ 5.4 with Qualcomm aptX Codec & AAC, A2DP V1, a Digital Signal Processor (DSP), delivering natural sound with a high dynamic range, minimal distortion, and low noise.

Mapu G1: can be wirelessly connected to any BT device within 20 m. or via a 3.5mm AUX input.

Mapu G2: Includes all G1 features plus multiroom functionality via AirPlay 2® (compatible with Apple devices).

Wood

Our concave wooden cones (phase-plug) in the center of the drivers optimize the off-axis-response of high frequencies (over 30° angle) through reflection, achieving a vivid, spatial, and engaging sound. The wooden cones, as well as the back covers, are individually handcrafted from recycled, and certified wood.

Wool & Cork

We use natural felted wool for the acoustic insulation of our speakers. Wool does not store static electricity and is non-flammable, thus protecting the speakers' internal components. Unlike synthetic fibers, natural felted wool is biodegradable, and made without the use of harmful chemicals.

Cork has ideal physical properties for our insulation purposes, it is elastic and malleable, have high tensile strength and is inherently resistant to heat.

Copper

The bass reflex ports enhance low frequencies, delivering deep, powerful bass.

The two copper bass reflex channels with trumpet-shaped openings are acoustically designed to minimize airflow noise and distortion while extending the bass response to below 50 Hz.

TEAM



Pablo Ocqueteau C.

Co-founder
Product Development
& Production



Philine von Düssel

Co-founder
Product Development
& Communication



Ramón Beytía L.

Sales manager &
Business Administration



Lea Thobor

Marketing &
Social Media



Benny Jhu

Drivers & Amplifier
development



Peter Chapman

Acoustic engineering
& DSP design



Luis Lourosa

Master potter,
Portugal



José Lourosa

Master potter,
Portugal



Manuel Sousa

Molding,
Portugal



Peter Schöner

Wood turner,
Germany

REVIEWS

"These speakers are a perfect fusion between art, crafts and music, with a very honest and flat response."

Gonzalo "Chalo" Gonzalez
Awarded Latin Grammy
Mastering engineer



"An excellent sounding loudspeaker, very comprehensive frequency range and a beautiful spacial representation"

Prof. Dr. Anselm Goertz
Audio & Acoustics Consulting Aachen

PRESS

**WHAT DESIGN
CAN DO**

"These aren't just speakers;
they're a start of a conversation
about a more fair and
sustainable future."

Richard van der Laken

il Giornale

"This is how the future
must be designed!"

Giuliana de Vivo



Green
Product Award

"it's a beautiful mix of traditional
materials and Hi-Tech. A fantastic
combination of a speaker and a
art decorative object"

Jury statement

AWARDS



WINNER
Talent Podium
Netherlands, 2022



WINNER
No Waste Challenge
Netherlands, 2021



WINNER PROJECT
by European Commission
Europe, 2020-2023



WINNER
Creative Entrepreneurship
Chile, 2017



Finalista
Diseño industrial
producto
FINALIST
Bienal Iberoamericana de Diseño
Spain, 2016



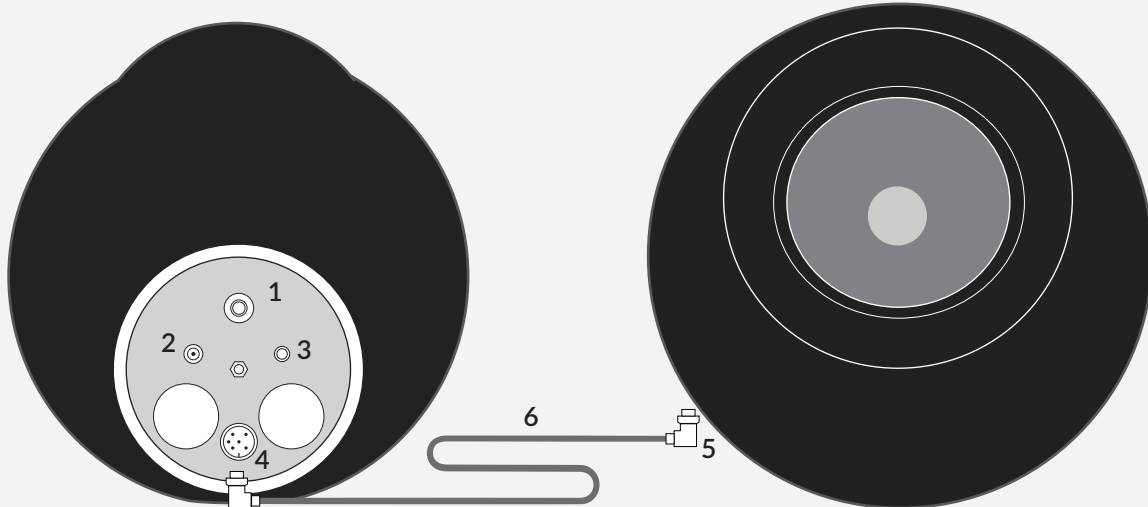
SPECIAL MENTION
Italy, 2015



Green
Product Award
Winner 2015
WINNER
Germany, 2015

TECHNICAL SPECIFICATIONS

MODEL	Mapu Preto or Mapu Soenga (Mono/Stereo-Speaker*)
DIMENSION (BxHxT)	240mm/ 230mm/ 230mm (±10%)** (x2*)
WEIGHT	3,5 kg (±20%)** (x2*)
SPEAKER CONCEPT	Full-range loudspeaker in bass reflex housing made of clay, wood, cork, wool and copper
DRIVER UNITS	4 inch full-range driver, 8Ω. Maximum power rating 30/45 W (x2*)
FREQUENCY RESPONSE	50 Hz -18 kHz
OPERATING CONDITIONS	5-35°C (40-95°F) / Max. humidity: 80%
BEST ACOUSTIC PERFORMANCE	for Mono speaker: 15/30 m ² . For Stereolspeaker: 20/50 m ²
POWER AMPLIFIER	2 x 40 W 90% energy efficient, filter free Class-D Stereo amplifier, with DAC with Burr-Brown®
CONNECTIVITY	BT V5.0 Qualcomm aptX Codec & AAC, support A2DP V1
ANALOG INPUT	3,5 mm mini-jack (Max. analog input level : 2,2 Volt)
POWER SUPPLY	100 - 240V - 50/ 60 Hz 1A
POSSIBLE ANALOG DEVICE CONNECTIONS	Phone / Tablet / Laptop / MP3 / HD-Player / TV / Turntable* * IMPORTANT: Do not connect a turntable directly. Always use a phono preamp with volume control or a headphone output if connecting through an external amplifier.
MAPU SPEAKERS G2	Includes all G1 features with upgraded wireless connectivity: AirPlay 2® Lossless audio (up to 16-bit/44.1 kHz) + multi-room support for up to 10 speakers. (Apple devices only) & BT V5.4 & AAC, A2DP V1 compatibility for seamless streaming.
WIRELESS CONNECTIVITY	



*In case of stereo speakers purchase

**All speakers are handcrafted from natural materials; therefore size and weight may vary slightly without affecting system performance.

- 1) Master button (on/off - pairing) 2) Power supply 3) Audio input via 3.5 mm mini jack 4) XLR 6-pin stereo output 5) XLR 6-pin stereo input
6) Mapu connection cable for stereo active system



@MAPUSPEAKERS



DANISH ACOUSTIC
PORTUGUESE CERAMICS
HANDMADE IN GERMANY

Designed and manufactured by



DOCUMENTARY DESIGN

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Supported by:

