

ONE.618  
| THE SHAPE OF SOUND |

omnee.m



# EXPLORATION IS REWARDING

IT BROUGHT US TO THE EXTRAORDINARY  
CREATIVE TERRITORY OF INNOVATION  
AND TIMELESS AESTHETICS.

**ONE.618** is creating speakers that are a near-ideal sound source, producing sound fields with the highest degree of naturalness and wide, flat frequency range reproduction.

Our years spent in engineering and design are all gathered into **omnee.m** - a manufacturing milestone in audio speaker technology for pure, natural, rich, full-bodied 360° sound by encompassing an exterior shell of finely crafted concrete.

The special low-carbon concrete shell forms a solid structure, ideal for the loudspeaker and an optimal base for the ultimate music listening experience provided by this unique hi-fi loudspeaker with exceptional acoustic accuracy.

We use applied science, engineering, and art by heart.





# WHY?

## THE SEARCH FOR THE ULTIMATE SPEAKER

In today's hectic pace of life, not everyone has the time to listen to music in the classic stereo triangle that conventional speakers require by sending sound waves in only one direction and to only one listening point known as the "sweet spot". People listen to music anywhere other than in their designated position.

Using an omnidirectional approach the loudspeakers radiate sound 360° with a much wider listening area. This allows more people to enjoy the highest quality sound simultaneously, no matter where they are.

To achieve that without compromising sound quality or aesthetics, ONE.618 broke free from established design conventions and rethought how a loudspeaker should look and function. Every element of omnee.m has been engineered from the ground up to deliver the highest performance possible. Each part is there because it is necessary, nothing more or nothing less.

omnee.m enables listeners to transcend from listening to immersive musical performance. It produces an all-encompassing sense of space, the feeling of a sound stage, at all volume levels, regardless of your position relative to the sound source. It is made for those who like to listen to music. Not loudspeakers.

Sound is not only determined by its source. Space sculpts sound. In omnee.m the entire frequency range radiates in all directions, so the reflections are identical to the original direct sound. It does not require any special room treatments.

The key to creating disappearing speakers is the combination of a solid concrete enclosure, a full range point source, and omnidirectional radiation.

In a technological world with limitless options, true luxury is simplicity and clarity.

Another major focus was the tactile pleasure derived from interacting with a physical product that is sleek to the touch.

The result is an acoustic sculpture that can thrill and tingle the senses by listening to it, looking at it, or touching it, proving that an architectural piece can make the living space look beautiful, and remind one of being an "important person". It is the connection that we all seek.





# DISCOVER THE **omnee.m**

**omnee.m** is an all-in-one 360° omnidirectional wireless active loudspeaker system made from concrete with a built-in amplifier, powered by batteries and capable of streaming from any source, anywhere you are.

This indoor/outdoor hi-fi loudspeaker stands out not only for its design, versatility, and the highest quality materials and workmanship but, most importantly, for its incredible sound capabilities, built to make the listening experience seamless.

# An Immersive Experience

Bathing in sound waves

DISCOVER THE  
**omnee.m**

A pristine voice, perfectly rendered layers of instruments you can lose yourself in, sound so clear it is as though the artist is there with you.

**omnee.m** allows listeners to hear every single note in equal measure, every breath of the singer, and transcend from audio sound to immersive musical performance.

It's like being invited to a concert and having the front seat in the house—you'll feel like you're right in the middle of the performance, immersed in the music.

When you combine two or more **omnee.m** in one area they completely disappear as a sound source, leaving only the artist and his music.





# The Hi-Fi Mastery & Minimalistic Design

Monumental statement at first sight

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**omnee.m**

Designed for dedicated music lovers, purist listeners, and High-Fidelity enthusiasts, **omnee.m** covers the entire human hearing spectrum.

From a single full-range speaker driver without the interference of multiple transducers and crossovers for impedance corrections used in multi-system loudspeakers. With a nearly flat frequency response curve and a deep bass that you can feel the music as originally intended.

**omnee.m** is a powerful multiroom speaker sounding every bit as beautiful as it looks. It is designed with passion, truly a unique expression of engineering knowledge, design and finesse where form following function.

With 360° omnidirectional radiation, innovative invisible touch-sensitive concrete controls, and the multi-room feature, the omnee.m is a perfect addition to modern home.



# Innovative & Unique Features

Perfectionism in every detail

**omnee.m** embodies elegant innovations to deliver music without compromises and to enrich the user experience:

Single full-range driver with Acoustic Lens that disperses the sound equally in all directions.

The non-co-planar-shaped enclosure that breaks standing waves is made of concrete – an ideal vibration-inert material.

Innovative multi-layered inner coating to finely control each aspect of sound reflection / absorb and temper excessive surface vibrations of the speaker body that may color the sound.

Unique user interface - touch-sensitive controls hidden in concrete and discretely illuminated by fiber optics.

The full off-grid experience, a powerful battery power pack & solar panel connection interface are integrated.

Integrated hidden wireless smartphone charger.

The combination of high-end audio and electronic components, the very latest music-streaming technology, computer-controlled manufacturing, and premium quality craftsmanship make this unique product stand out from the crowd.

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# Perfect Wireless Speaker

enrich your perceptual experience

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**omnee.m** is the ultimate indoor / outdoor speaker.  
It will satisfy all your needs for music while you are relaxing.

Play background music or throw a party. No need for cables  
or installations of any kind.  
Just put it in your garden, on your terrace, or by the swimming  
pool, connect it to your phone or wireless internet and play  
your favorite tunes.





Perfect Lounge Speaker  
elevate your lounging to the next level



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[omnee.m](https://omnee.m)





Perfect Indoor Speaker  
complement visual exhibitions with sound



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# omnee.m Models

## Choose the Right One For You

### **COLOR** - Embedded in Concrete Using Natural Pigments

- Natural Concrete Gray
- Carbon Black
- Mineral White
- Custom (Terra Cotta, Very Peri, etc.)

### **FINISH** - Finishing look of Your Speaker

- Off Form
- Invisible Penetrating Impregnation
- Oil Impregnation

### **INSCRIPTION** - Personalize Your omnee.m

- Custom Message / Logo
- Gilding (Gold / Copper / Silver)

### **DRIVER** - Which speaker driver suits you the best

- Full Range Standard - for modern louder music
- Full Range Esoteric Linear - for dedicated enthusiasts

### **SYSTEM TYPE** - The Heart & the Brain

- Passive - connect your speaker to your own amplifier
- Active standalone unit with receiver and amplifier

### **CABLE INPUTS** - Customize your signal input sources

- Analog 3.5mm/RCA
- Digital RCA/Optical
- DAC, LAN

### **POWER** - Options for powering Active system & Accessories

- Outlet Powered
- Battery Module
- Solar Charging Solar Panel (be completely OFF-GRID)
- USB 5V output
- Qi Wireless Charging Module

### **ADD-ONS / ACCESSORIES**

- Bespoke Stand - to provide the optimal height
- Castors - roll your omnee.m around your house or garden
- Cover - protect it to stay in pristine condition
- Transportation Box - custom made great looking box

### **SPECIAL**

- Twin Pairing - if you insist to have a pair of identical twins
- Excentric Acoustical Lens - if you want to put it next to the wall

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**omnee.m**



# Basic Characteristics

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## ENCLOSURE

Downward firing ported system hosted in a resonance and vibration-free body optimised for low sound resonance made of special ultra-high-performance concrete

## INTERFACE

- Touch-sensitive user interface embedded in concrete
- IR remote controller
- Mobile phone IOS/Android app

## CONNECTIVITY

Active (integrated class-D amplifier with DSP)

- Airplay, BT, Wireless
- Cable inputs  
(Analog RCA, optional - USB, I2S, I2C, UART, DAC, LAN)
- DLNA, UPnP, Qplay streaming protocols
- Online music streaming services  
(Spotify, Deezer, Tidal, Qobuz, iHeartRadio, Napster, Internet Radio, QQ Music)
- Stereo pairing and multi-room audio integration

## CHARGER

Hidden Qi wireless smartphone charger

## POINT SOUND SOURCE

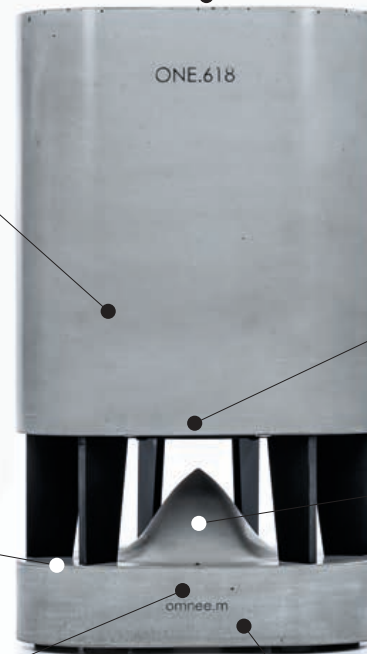
1-way single full-range high-end speaker driver made of new super-strength aerospace grade alloy with a nearly flat frequency response and absolute accuracy

## OMNIDIRECTIONAL 360°

Sound dispersing acoustic lens cone designed for optimized sound distribution and sound radiation without compromising sound quality

## POWER

Powerful battery system with additional solar charging interface (up to 50 hours of music playing)







# DESIGN & PRODUCTION

## CONCRETE

Industrial, raw and timeless.  
Concrete is a sober, modern and pure material.

# The Concrete Genesis

Thinking beyond the box

**omnee.m** exists as a purist, timeless piece of acoustic sculpture that can thrill and tingle your senses every time you hear it or just look at it.

**ONE.618** set the task of developing technology that could deliver omnidirectional sound without compromising sound quality.

Breaking free from established conventions in loudspeaker design and rethinking how every detail should function and look, **omnee.m** is a loudspeaker that breaks all boundaries with its superb acoustics and elegant timeless design with the luxurious surface of bare concrete.

The entire enclosure geometry is made as a single, monolithically, unified resonance and vibration-free concrete body. This solidity is unreachable by the traditionally joined enclosure.

Liberated from the conventional mass manufacturing constraints, **omnee.m** is radically different and is aiming for absolute performance.

The design, development of sound, electronics and manufacture of omnee.m is the result of years of experience in engineering and design.

DESIGN & PRODUCTION





# Each Detail Designed to Perform

Designed from scratch and produced  
for a lifetime of highest performance

From the curved solid concrete body of the cabinet to the base and precision-modeled acoustic lens.

The low-diffraction speaker baffle is centrally symmetric and all the three-port exits are gently filleted and softened visually to lower air noise.

Speaker terminals have been elegantly recessed to be visible and accessible only from the back.

The unique minimalistic user interface has hidden touch-sensitive controls embedded in concrete and discretely illuminated fiber optics.

Using highly sophisticated CAD/CAM in development allows omnee.m to deliver seamless imaging throughout the room, resulting in music with unprecedented three-dimensional presence.

Although omnee.m is packed with the latest technology, it looks more like a piece of art than a sound system.

DESIGN & PRODUCTION

omnee.m

# Cutting-edge Manufacturing & Skilled Craftsmanship

Each speaker is precisely designed and produced, then meticulously finished by hand

**omnee.m** speakers are made in a limited edition. Numbered plaques on the base identify the serial number and characteristics of each omnee.m.

We conscientiously invest time to master all the techniques and skills necessary to produce the highest quality loudspeakers.

Each **omnee.m** is fastidiously crafted by combining cutting-edge manufacturing technologies and time-honored hand craftsmanship, worked with rigorous attention to detail during each stage of the manufacturing process until it meets the highest quality requirements, and finished to perfection.

DESIGN & PRODUCTION





# Customization

Personalize your omnee.m in color or engraving to compliment your interior

The curing process makes each loudspeaker identical in shape and surface quality, but unique in terms of the concrete grain.

The smooth surface resembles cut stone and can be sealed with an invisible sealer, oil, wax, or polished.

All finishes are flawlessly applied, all are gently reflective of ambient light, and will enhance the interior decor vocabulary of any home.

Due to the nature of our craftsmanship, we are flexible enough to make unique products tailored to each of our customers.

We want to give you the opportunity to be the one making the choices.

# DESIGN & PRODUCTION



# Environment Care

Attention to detail doesn't end with what you see

For our low-carbon concrete, we use partial replacement of cement with waste materials from various industries and thus consume less energy in production - which reduces the carbon footprint compared to traditional concrete.

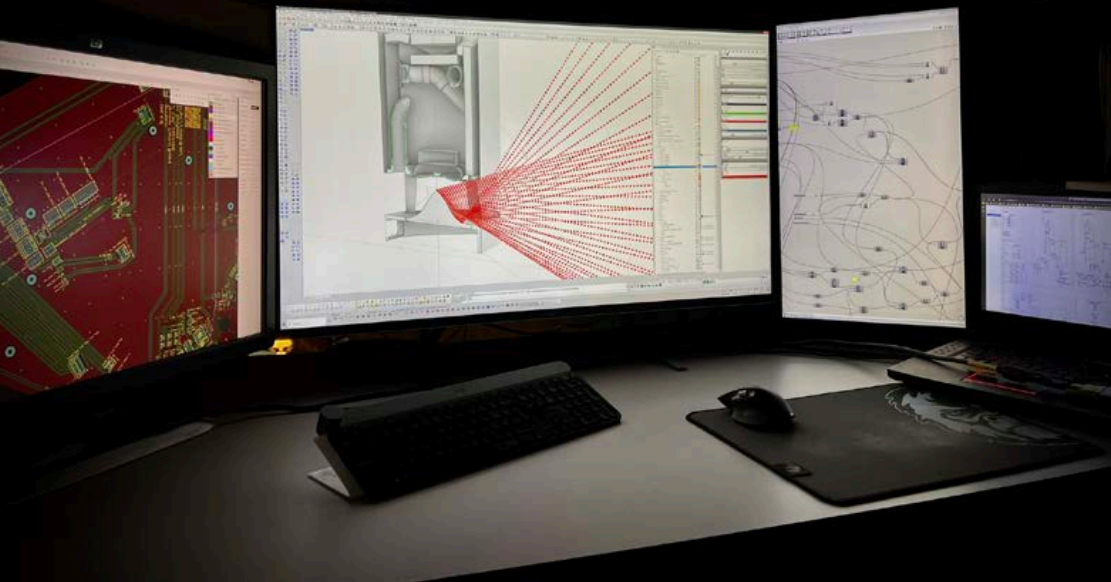
## DESIGN & PRODUCTION



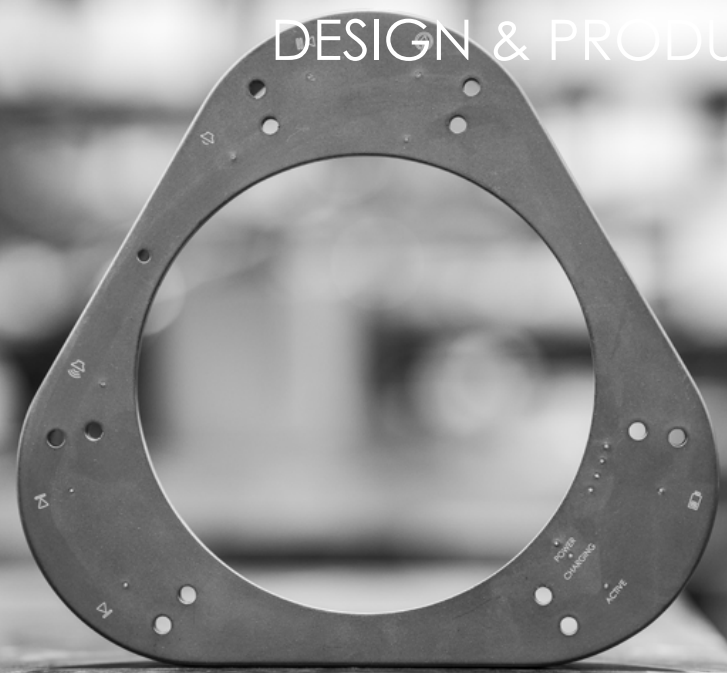


# Research & Development

Preview of the Process



# DESIGN & PRODUCTION





# TECHNOLOGY

**omnee.m** is conceived, designed and engineered entirely to deliver the music experience as close as possible to its original live source, for a completely natural sound reproduction without any loss of quality

# Enclosure

Low Resonance Enhancing Transparency  
Concrete as ideal vibration-inert material

To realize the full potential of **omnee.m**, considerable effort has been put into creating a highly rigid non-vibrating and optimised enclosure with non-coplanar sides to minimise coloration and the radiation of sound energy through the cabinet sides and to prevent the formation of standing waves.

For this, we developed a complex ultra-high performance concrete mix. This heavy, irregularly structured and durable material is an ideal base for uninhibited driver expansion, free of interfering resonance.

With **omnee.m** you hear only the speaker driver. It essentially has no colouring of the sound and has the clarity that is normally associated with electrostatic loudspeakers.

TECHNOLOGY





# The Best Sound Comes From One Single Source

Sound as the artist is in the room

The heart of each **omnee.m** loudspeaker is the single downward-firing unique wide-range high-end driver.

By delivering wide bandwidth sound waves in the only natural way - from a single point in space - **omnee.m** preserves subtle harmonics in the crucial time domain.

**omnee.m** lets you hear the texture and timbre that make the instruments sound so real, and voices sound startlingly convincing, full of intent and emotion, as if the artist was in the room with you.

**omnee.m** uses a state-of-the-art driver cone made of extremely thin, very light yet rigid aluminium-magnesium alloy and can deliver clean heights.

Combined with the long-stroke mono suspension, it provides deep powerful bass.

It is characterised by absolute accuracy, with incredible sound details, speed, dynamic and fidelity, rich midrange and has an exceptionally wide operating frequency range that covers the range from 37Hz up to 28kHz rated at +86dB – almost 10 octaves.

**omnee.m** covers the entire human hearing spectrum without the interference of a crossover or any impedance correction, with a near-flat frequency response curve and a deep bass that you can feel.

TECHNOLOGY



omnee.m

# 360° Degrees of Sound

Being truly omnidirectional

No matter where you place it,  
it is the right place!

**omnee.m** produces an optimized sound distribution and an all-encompassing sense of space, the feeling of a sound stage, at all volume levels, regardless of your position relative to the sound source.

Optimized sound distribution is not place dependent and allows more people to enjoy the highest quality sound at the same time.

The custom-designed conical-shaped acoustic lens located precisely under the driver evenly disperses the sound into the listening environment.

The lens gives high-fidelity balanced omnidirectional sound while eliminating distortion and noise.

The low and high frequencies cover the same amount of area and precise timings with virtually no difference in sound quality.

This is totally unlike traditional speakers that are designed to send sound waves in only one direction and to only one listening point (sweet spot).





# Active Amplification

Class-D + DSP

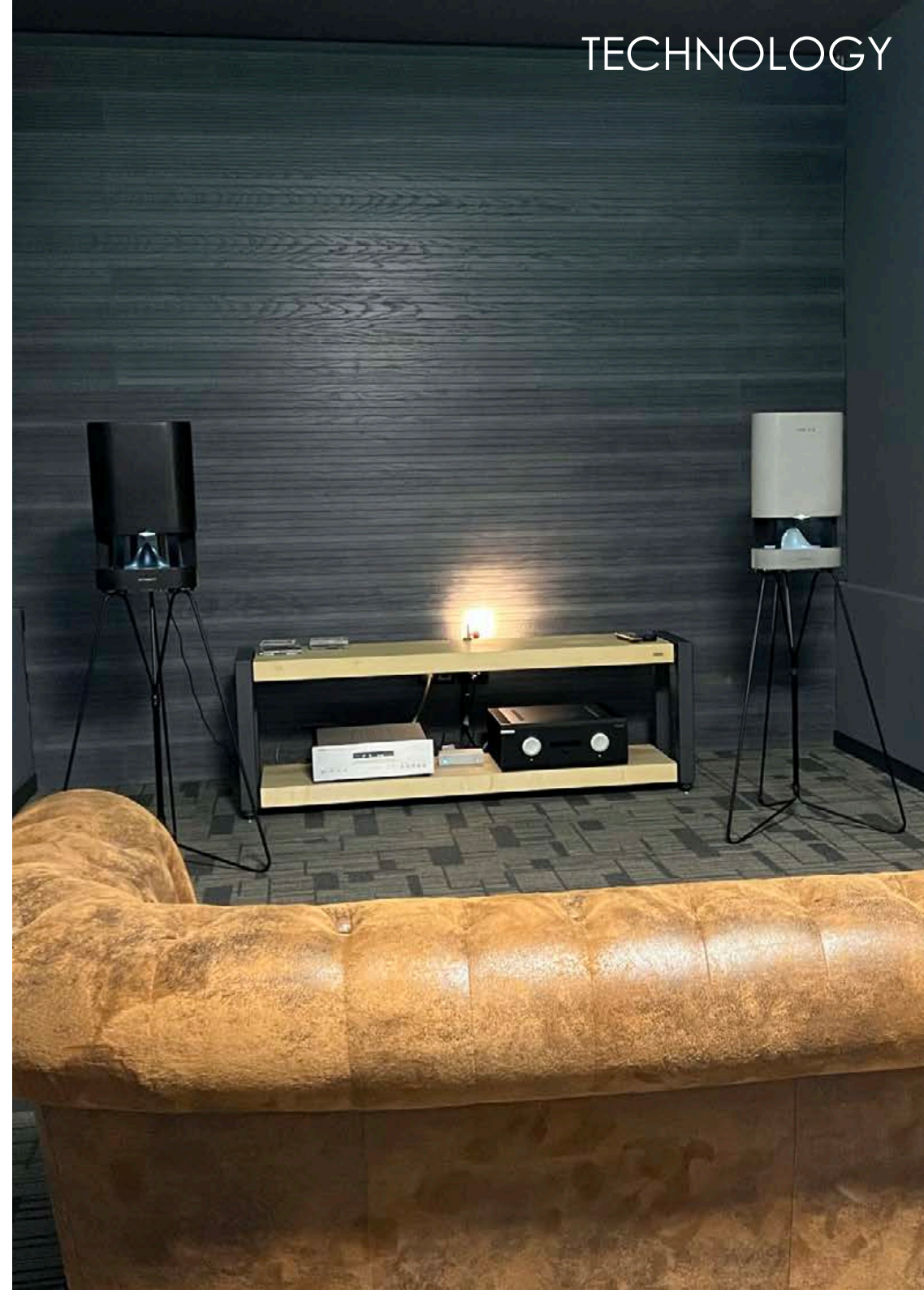
The heart of the system

Efficient Class-D amplifier technology and multifaceted adaptability ensure that sound exiting from **omnee.m** has a flat response and renders the speaker a full-featured sound system, only to be completed by a source of your choice. The signal path is equipped with a very small number of selected components to ensure the cleanest sound possible.

We developed a limiter algorithm that activates only at extreme volume levels and that keeps speaker driver movement under control and helps to retain music's clarity and increase the long-term reliability of the system while providing powerful and controlled bass.

With automatic software updates for the latest features and services, your music and control options will always be up to date and at their peak.

TECHNOLOGY



# The Versatility of omnee.m

Consistent audio image by building the network of high-fidelity wireless speakers both in the interior or the exterior of your home  
Stereo Pairing / Multiroom

Start with only one **omnee.m** and expand your system as needed.

For a wider, more immersive sound stage, join two speakers as a stereo pair.

Play different music or stream the same song on all speakers.

## Connectivity

- Bluetooth 5.0, Wireless 802.11b/g/n 2.4GHz
- Cable inputs  
(Analog RCA, optional - USB, I2S, I2C, UART, DAC, LAN)
- Various streaming services like Spotify, Deezer and UPnP

## Controls

- Innovative on-speaker user interface controls
- Smartphone app (iOS/Android)
- Remote control

## Off-grid Power Design

- The powerful integrated battery (up to 3 days of music).
- Solar panel charging interface and management system.
- Hidden wireless smartphone charger and USB charging port.

With 360° omnidirectional sound dispersion, innovative invisible touch-sensitive controls hidden in concrete, and multi-room capabilities, **omnee.m** makes the perfect statement piece in the modern home.

# TECHNOLOGY





# Technical Details

## The Versatility of **omnee.m**

### Connectivity

- Bluetooth 5.0, Airplay, Wireless 802.11b/g/n 2.4GHz
- Integrated Streamer  
Various streaming services like Spotify, Deezer and UPnP
- Multiroom capabilities  
Possibility to pair multiple units (MONO / L / R channel)
- Cable inputs (depending on the model)  
Analog / Digital audio, USB, HDMI, DAC, and LAN

### System

- full-range driver made of magnesium-aluminium alloy  
(37 Hz -30,000 Hz  $\pm 6$  dB)
- downward firing ported system (bass-reflex)
- truly omnidirectional sound radiation  
with a help of a custom designed acoustic lens  
(360° horizontally & -25° to +75° vertically)
- D-class amplifier + DSP

### Controls

- Innovative on-speaker invisible touch controls
- Smartphone app (iOS/Android)
- Remote control

### Off-Grid Power Design

- The powerful integrated battery  
(up to 50 hours of music playing)
- Solar panel charging interface and management system
- Hidden Qi wireless smartphone charger and USB charging

### Dimensions (H x W x D):

- Speaker  
53 cm (20.8 in) x 31 cm (12.1 in) x 29 cm (11.5 in)
- Speaker on stand  
136 cm (53.5 in) x 47 cm (18.5 in) x 40 cm (15.7 in)

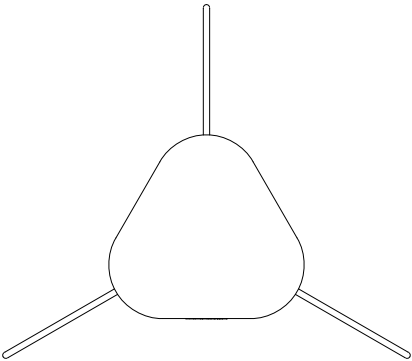
### Net weights:

- 24 kg (52.9 lbs) - without stand

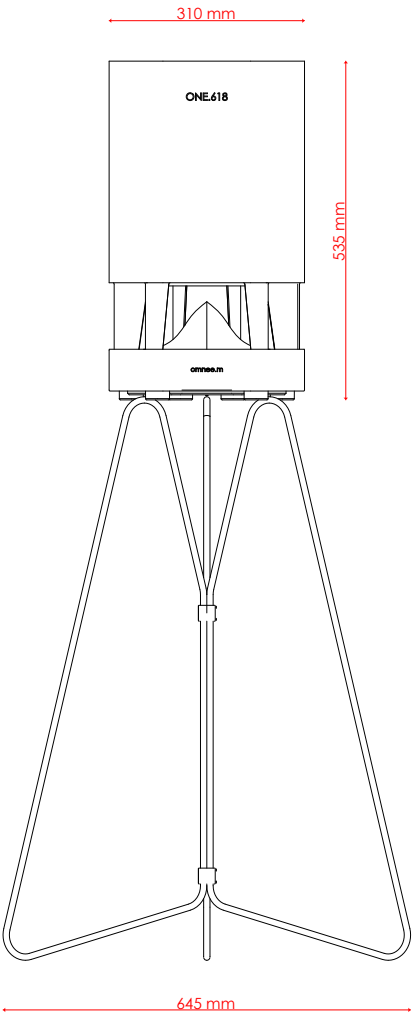
TECHNOLOGY



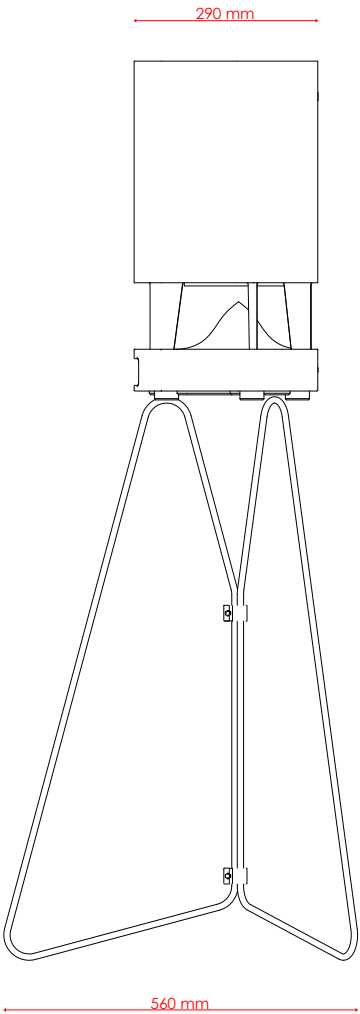
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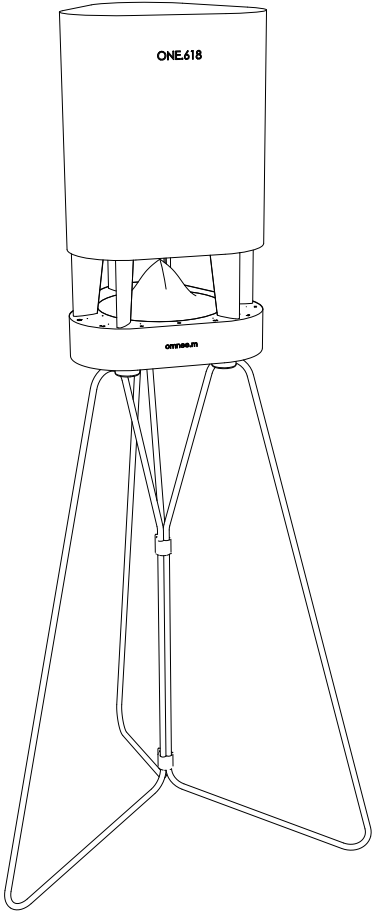
FRONT



SIDE



PERSPECTIVE





# ABOUT ONE.618

## Who We Are & What We Do

**Synthesis** is a creative company founded by architect Jurica Huljev.

Our work intertwines science and engineering with art and design, resulting in high-end design solutions, with a clear blueprint.

With in-house design/development/production, merging innovation, creativity, and dedication to craftsmanship, we can deliver original and sophisticated products.

Innovation is our way of life.

**ONE.618** is a Synthesis brand whose creative vision for sound energy and of course the love of good music are additionally and naturally entangled.

Created for an audience with a developed sensibility for both perfect sound and superior aesthetics, ONE.618 follows the principles and rules that dictate the process to achieve unique results that are excellent in performance.

**ONE.618**, 1.618  $\phi$  Phi, represents divine proportions, the frequency that surrounds us and engages our senses even unknowingly.

As the golden ratio, that is integrated into our design, as well as into the sound we strive to deliver.

EMAIL: [info@one618.eu](mailto:info@one618.eu)

WEB: [ONE618.eu](http://ONE618.eu)

FACEBOOK: [www.facebook.com/one618.eu](http://www.facebook.com/one618.eu)

INSTAGRAM: [www.instagram.com/one618.eu](http://www.instagram.com/one618.eu)

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