

ONE.618

[ THE SHAPE OF SOUND ]



DISCOVER THE  
omnee.m

**omnee.m** is an all-in-one 360° omnidirectional wireless concrete speaker system with built-in amplification and the ability to stream from any source, anywhere you are, built to make the listening experience more seamless.

This indoor/outdoor Hi-Fi speaker stands out not only with the design, versatility, highest materials and build quality, but, most importantly, amazing sound capabilities.

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.

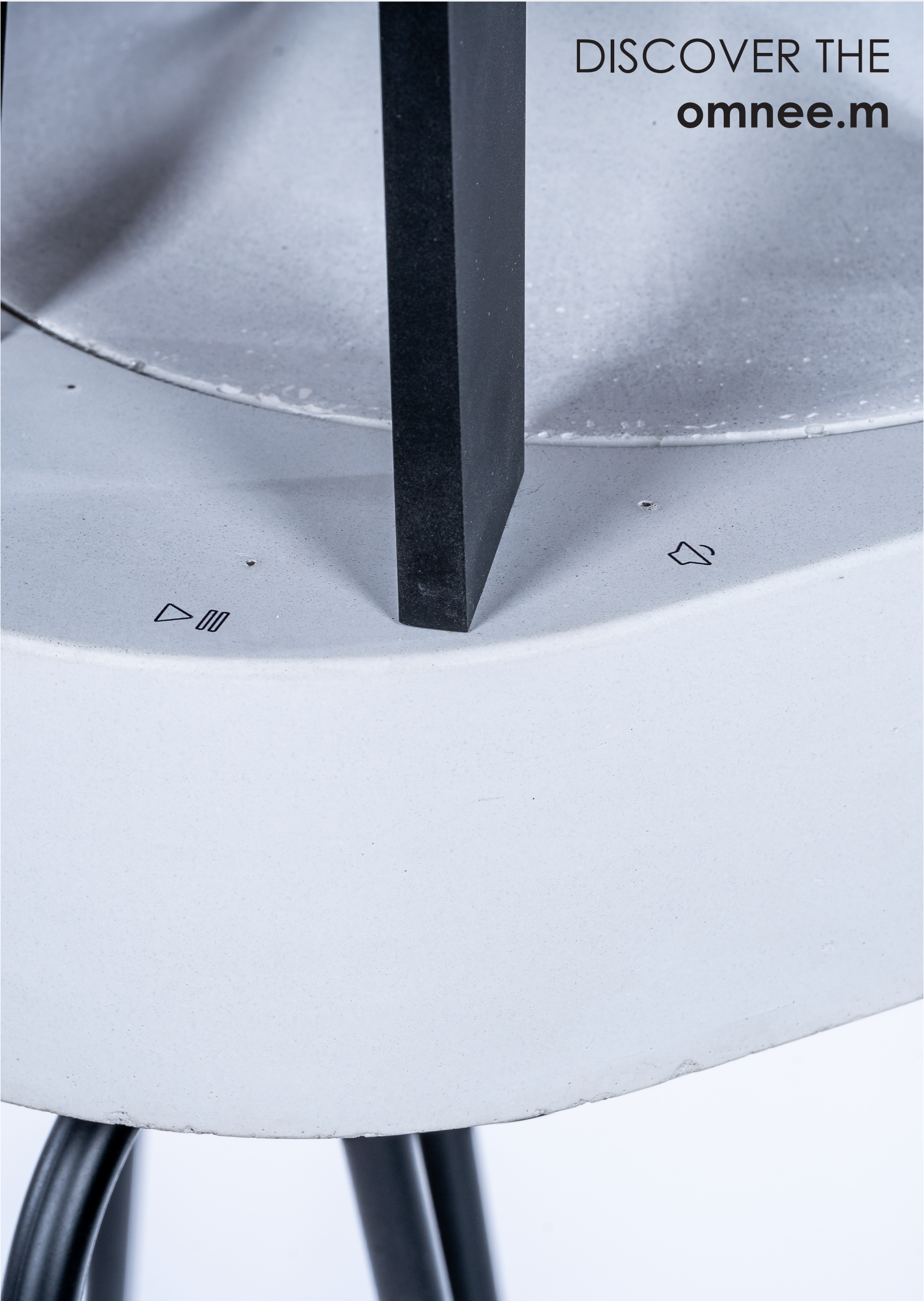
Innovative multi-layered inner coating to finely control each aspect of sound reflection / absorbing and temper excessive surface vibrations of the speaker body that may colour the sound.

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

Integrated powerful battery power pack & solar panel connection interface for the off-grid experience.

Integrated hidden wireless smartphone charger.

Combining the high-end quality 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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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

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

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

POWER

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





Enclosure  
Low Resonance Enhancing Transparency  
Concrete as ideal vibration-inert material

To realise 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 colouring 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.

360° Degrees of Sound  
Being truly omnidirectional

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

**omnee.m** produces an optimised 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.  
Optimised sound distribution is not place dependant and allows more people to enjoy the best 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 a 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).

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 the subtle harmonics in the crucial time-domain.

**omnee.m** lets you hear texture and timbre that make the instruments sound so real, 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.





# Active Amplification

Class-D + DSP

The heart of the system

Efficient Class-D amplifier technology and multifaceted adaptability drives high performance, providing sound exiting from **omnee.m** has a flat response and render 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 the music's clarity and increase the long-term reliability of the system while providing powerful and controlled bass.

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

## 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 later.  
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 radiation, and the multi-room feature, **omnee.m** is the perfect addition to modern home.

## ABOUT ONE.618

Who We Are & What We Do

**Synthesis** is a creative company founded by architect Jurica Huljev.  
Our work is intertwining science and engineering with art and design, resulting in high-end design solutions, with a clear blueprint.  
Innovation is our way of life.

**ONE.618** is a Synthesis brand where all of that is additional naturally entangled with the creative vision for sound energy and of course love of good music.  
ONE.618 follows the principles and rules dictated by the process to achieve unique results that excel in performance.

**ONE.618**,  $\Phi$  Phi, represents divine proportions, the frequency which surrounds us and occupies our senses even unknowingly.  
As a golden ratio, it is integrated into our design, as well as in the sound we strive to deliver.

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