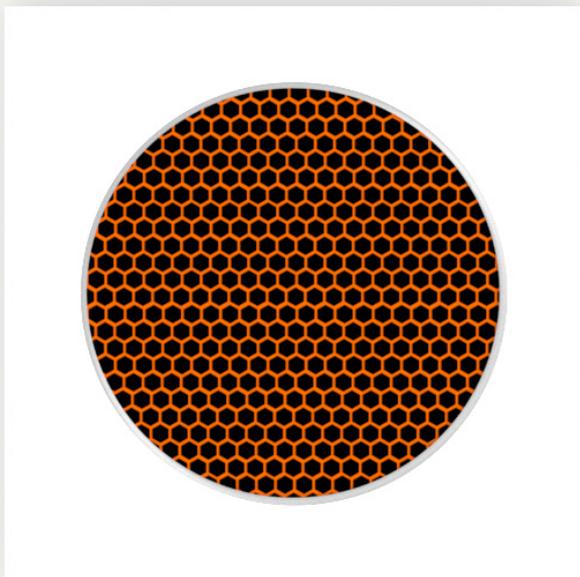




It's an entirely different kind of music

## Devices with sound

With the **Mono** plate, sound turns on.  
PLH presents **PLH Belcanto**, a sound system  
that integrates with switches and sockets.



# Devices with sound

*Belcanto is born, the PLH 'audio' section: a miniaturized sound system that integrates with switches and sockets.*

For Enrico Corelli, owner of PLH, the strength of a company lies in its will and capacity to reinvent itself, have new objectives and to broaden its horizons, also exploring alternative grounds out of the established mission, for example the five senses. "**Sensoriality**", he says, "is a topic that fascinates me. Each time I take on a project, it surfaces in my mind and affects solutions. Recently, I felt the desire to 'play' with hearing, connecting light to music, tying the physical interaction with the plate to the emission of a sound of one or more melodies. Not merely a distance command that activates a transmitter, rather a plate that is also sound, that plays in itself, maybe trying to meet the musical desires of the user. A system that integrates button and speaker managing light and music, with each **function highlighted ergonomically** on the plate with a 'speaking' symbol, for example a bulb and an instrument".

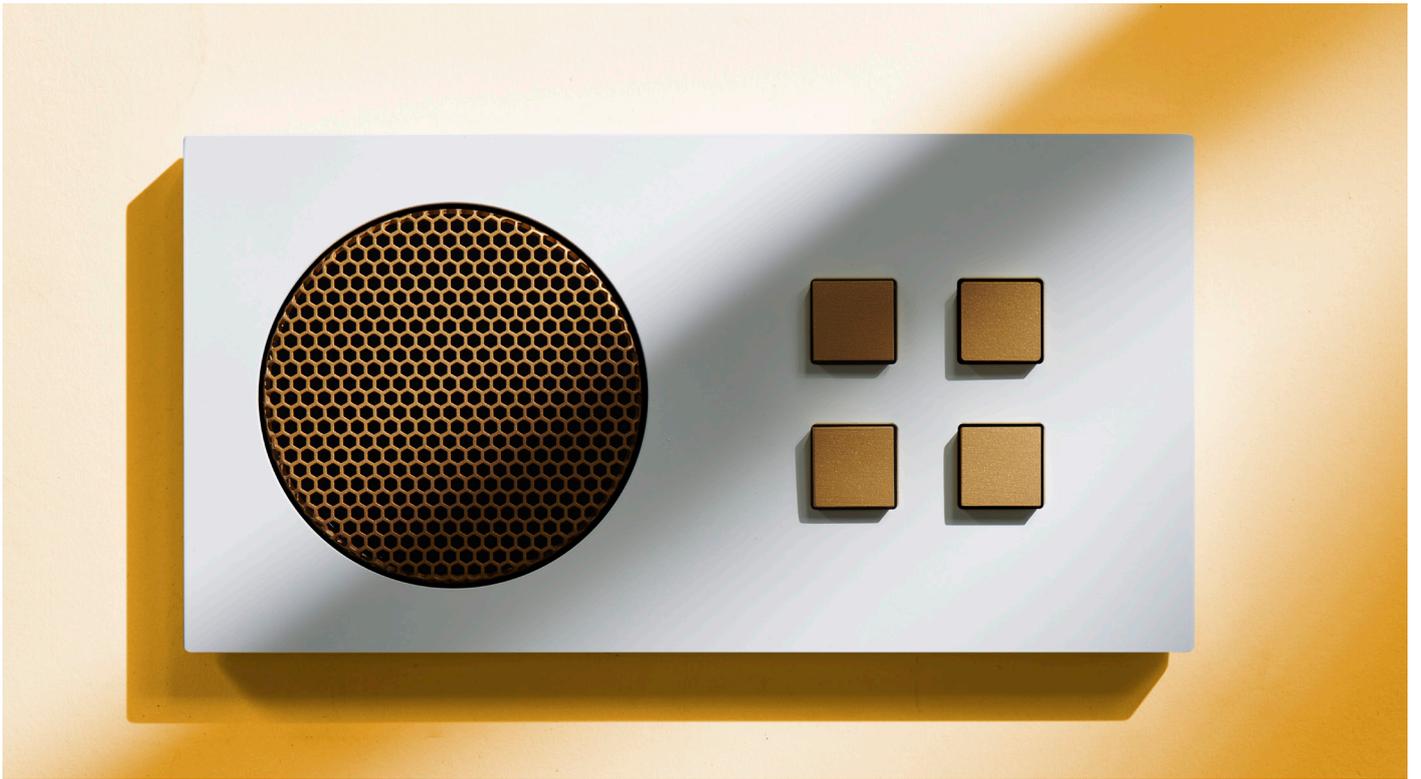
The step has been short from the idea to the project: "Initially, end of 2019 beginning of 2020, I thought of associating a Neo plate to a speaker – that is a translator – to an amplifier and a subwoofer. With its extreme compactness, it seemed that Neo could be the most fitting product for this kind of integration: I made a rough prototype to check if it could work. It did work, but there still was a lot to do to refine sound quality and miniaturize the sound system. I realized that with the only PLH strength this kind of developing wasn't possible. So, I started looking for a partner and finally I found it in **Outline**, a company from Brescia, super qualified worldwide in making professional audio systems and digital solutions for sound elaboration on a FPGA-Field programmable gate Array base, an electronic processor that holds inside a multitude of logic components and programmable connections".

However, the starting of the collaboration between the two companies hasn't been simple, the respective fields of action are very distant. Outline deals with sound emission for big events and shows, as the Superbowl, large religious assemblies, rock concerts, techno music festivals and IDM. PLH's intervention scale is oriented towards the smaller, the particular. Outline devices aim to maximize sound pressure and control directivity, so that each spectator, from the first line to the last, is engaged. For PLH the objective was the contrary, that is to generate a high-quality ambient sound that improves the hearing wellness of who is in a room, without affecting who is in an adjacent space. In other words, two incompatible worlds, at least apparently. Then, also due to Outline's necessity to find a credible strategic alternative during the coronavirus pandemic – where no shows have been on – things have changed and the project could be launched. "With Daniele Tebaldi, Chief technology Officer of Outline, extremely experienced in the sound technologies field, I immediately had a great feeling and found a

*precious source of ideas”, Corelli explains. “On the other hand, with two ‘musical’ surnames as ours, Tebaldi and Corelli, it seemed written in our destiny to engage with music and sound”.*

Whilst Outline's resistances went dissolving, PLH didn't sit back; the Neo option was temporarily suspended and PLH concentrated its efforts on the new **Mono** collection and the fine tuning of the sound-plate systems' design and commands ergonomics: an ensemble to which the Outline component would have had to conform itself. So, at the next meeting, Outline arrived with clear ideas: to respect the installation conditions the sound equipment had to fit in a maximum 8×8×8 cm volume. Could Outline make it? In this regard, Tebaldi says: *“There wasn't and there isn't anything on the market that responds to such needs. All in all, the big brands of the hi-fi sector offer standardized solutions with poor performance, insufficient to intercept a luxury, beauty, and rarity amateurs' target. Working on this project has been a tough and exiting challenge... that we won, because, with Enrico, we managed to combine and make fit and function into the space of a matchbox a speaker and an amplifier on a programmable card function, a system that converts an analogic or digital sound signal into analogic, obtaining **an excellent audio quality**, up to the most sophisticated music taste”.*

The system is now complete, ready to be launched on the market. Home and residential environments, hotel rooms, will be places of choice where to install it, and will offer an extra sensorial and emotional experience. Suffice it to think about the enveloping stereophonic effect, that the sound plates will produce if installed in the bedhead. Corelli explains: *“Without interfering with Outline's core business and dealing with its miniaturized products, we defined a real micro sound system, first of PLH's new sound division called **PLH Belcanto**, as a homage to the virtuoso technique invented in Italy at the end of 1500. Two solutions, both customizable and designed to create ambient soundtracks that can be activated through our plates. An OEM (Original Equipment Manufacturer) system in which the acoustic products dialogue with the PLH collections: Mono, MakeUp, Skin, Keyboard; in this case the speaker is a component, functioning as a switch, protected by a colored grid, and is integrated with a subwoofer and amplifier. The second option instead, is a technical-aesthetic stand-alone kit that, speaking a musical metaphor, we baptized **Il Trio** since it's composed by three ‘musicians’. Following the Mono design, it's equipped with an amplifier with on board commands and an induction recharge system (**Il Maestro**), two speakers, actually two mid-tweeter with tripod (**il Contralto**) and an Outline subwoofer that we ‘dress’ to give it an aesthetic twist, also adding a shaped handle to transport it (**il Baritono**). For its part, the amplifier supports 2.4GHz WIFI technologies and wireless connection, as well as Airplay protocols, DLNA & UPnP, with optical inputs and usb, interfaceable with Amazon Alexa and Google Home. Piloted like this, Mono becomes **a space saving ‘machine’** to expand our perception boundaries. Therefore, from today our products start playing too. Like saying: **devices with soul, devices with sound!**”.*





[www.plhitalia.com](http://www.plhitalia.com)

[info@plhitalia.com](mailto:info@plhitalia.com)

Press: [paola.castelli@plhitalia.com](mailto:paola.castelli@plhitalia.com)

[communication@plhitalia.com](mailto:communication@plhitalia.com)

PLH® is brand of Epic Srl.

©2022 Epic srl, all right reserved.

Via Voghera, 4a

20146 - Milano, Italy.

T. (+39) 02 48370030

All trademarks belong to their legitimate owners, third party-trademarks, logos, product names, trade names, corporate and company names mentioned are trademarks of their respective owners or trademarks registered by their companies and have been used for explanatory purposes only, without any purpose of violation of the Copyright law in force.

**PLH**