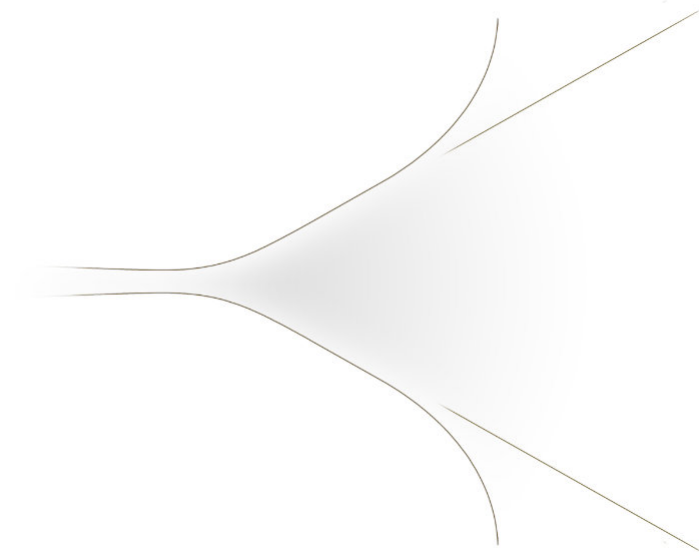
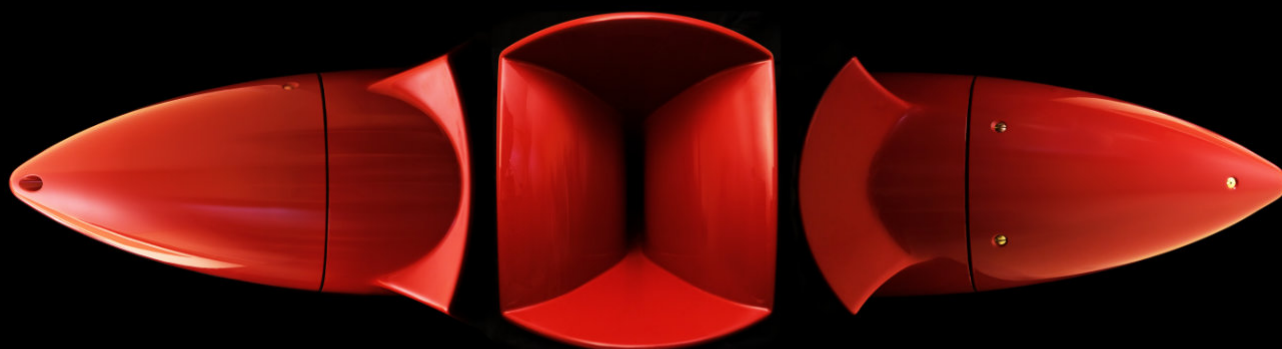


ELYSIOHornspeaker



Hesperidean Series



HESPERIDEAN HORNTWEETER

Hesperidean horn tweeters, the art of high frequency

With the Hesperidean HT series you own the worlds finest horn tweeter.

With our craftsmanship, knowledge and experience, we observe the methods of the past, and with a new perspective, combine modern production methods with the classical one to create a spectacular experience, not only for the ears, but the eyes also.

With the ability to deliver a consistent coverage it will ensure a listening experience with unforgettable brilliance, depth and detail.

What makes them so special ?



Elysio Hornspeaker horns spread the sound evenly with a maximal loss of + - 3db. The sweetspot is not just a single position in the room, it is the whole area where you want it to be!

Elysio Hesperidean horn tweeters create a very wide "sweetspot", giving a very comfortable and even sound experience from every part of your room.

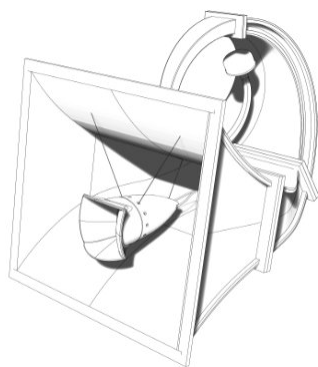
Which versions are available?

The Hesperidean horn tweeter is available for different horn types and sizes.

For large horns, like the Western Electric WE 15a or 16a, the HT9-8060 is the best choice.

Horns like Sato or similar sized horns, the HT16-8060 or HT16-7040 is the best choice.

For horns like the Western Electric WE 21a or similar sized, the HT25-8060 or the HT25-7040 are recommended.

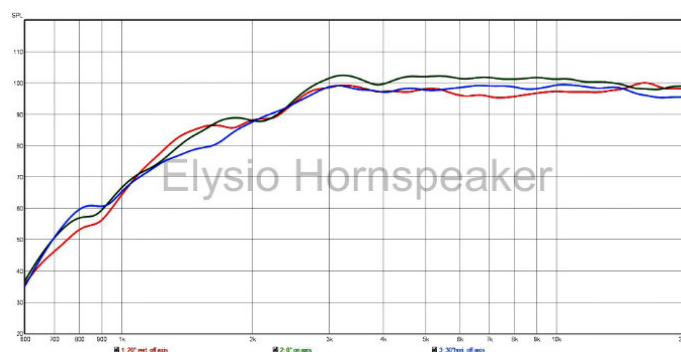


Of course, the Hesperidean horn tweeter can be used as a stand alone version on top of midrange or bass speaker.

Each size offers the best available frequency range for your midrange horn or speakers.

Why consistent coverage and different angles ?

We all live in different spaces under different circumstances.



Graph: HT25-7040, integrated into Hyperion horn, 1m distance with room feedback, crossover 2.5kHz

The Hesperidean HT series allows you to control the sound area.

As you can see on the frequency response graph above of a HT25-7040 it is consistent over the range from 2.5kHz to 20kHz.

This gives you the freedom to move around in your room to enjoy the same sound experience.

Green is on axis, Blue is 30° off axis horizontal and Red is 20° off axis vertical.

The frequency curves are relatively close together which is a fundamental advantage of the Hesperidean horn speakers.

The first unreflected sound is the most important!

This sound defines the dynamics.

With the Hesperidean HT series you can influence the amount of reflected energy in your space.

Narrow angle allows less reflection on the side walls and ceiling with higher dynamic.

Wider angle allows more reflections, a bit less dynamic and softer. It is up to you.

Coaxial position inside the large midrange horn

Most horn tweeters are placed outside the midrange horn.

Why is it essential to place it coaxially ?

It connects the sound axis of your midrange horn and the horn tweeter. Due to this, the Elysio Hesperidean horns are designed to be placed in the center of the midrange horn.

Elysio Hesperidean HT series horns are designed for optimized sound flow with minimal reflections .

The driver and the horn are covered with a streamlined cone to prevent reflections inside the midrange horn.

*

Specifications

Size: HxWxD

HT 9	34 x 33 x 53cm
HT 16	25 x 24 x 39-43cm
HT 25	16 x 14 x 19-22cm

Available angles:

80°h. / 60°v. and 70°h. / 40°v.

HT 9-8060 only 80°x60°

HT 16-8060, HT 16-7040

HT 25-8060, HT 25-7040

Frequency range and recommended crossover frequency :

HT 9 0,9khz - 20khz. xover 1,0khz

HT 16 1,5khz - 20khz. xover 1,6khz

HT 25 2,0khz - 20khz. xover 2,5khz

Average efficiency :

104 db/ 1m / 1Watt and more, depends on the driver and configuration

Average weight:

Depends on the driver and configuration

HT 9	12 - 15kg
HT 16	7 - 8kg
HT 25	1,5kg

*

Min. recommended crossover filter:

Analog: 12db/octave Butterworth

Digital : 24db/octave Butterworth

or any filter which creates a symetric curve to the midrange horn.

*

The Elysio Hesperidean HT series

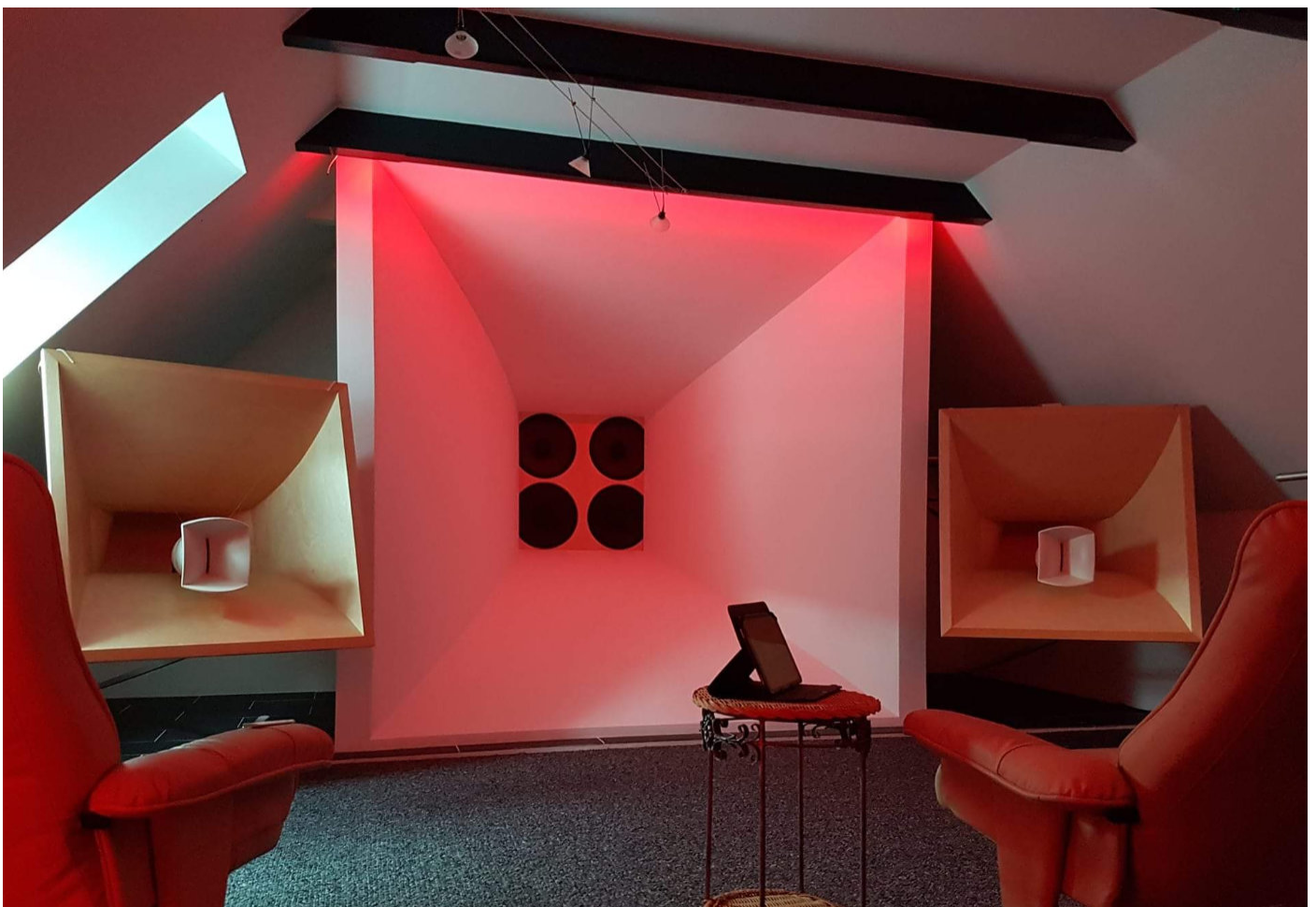
horns can be ordered in **any colour and coating**.

The Hesperidean HT horns can be hung inside the midrange horn on three stainless steel strings.

We can also custom make a stand to your specification.

Analog crossover can be purchased at Elysio Hornspeakers, but we recommend firstly a digital crossover DSP to maximize the potential of the driver and the horn.

If you are not familiar with DSPs we are delighted to help you and give you support as much as you need.





ABOUT

Here at Elysio Hornspeaker we are a young passionate company driven by the desire for perfection in the world of sound.

Our team:

Christoph Martin, CEO and founder.

Manfred König, Master carpenter.

Andreas König, Master blacksmith.

By observing traditional methods, we can now decipher the secrets of horn speakers and combine them with new ideas and modern production methods, such as 3D printing to create unheard

masterpieces.

The Elysio Hesperidean HT series is just the beginning of our product portfolio. We will create more and spectacular horn speakers, never seen or heard before.

Stay tuned , you will be surprised!

Soon ...

the world premiere of

THE HYPERION HORN

Contact:

Elysio Hornspeaker

www.elysio.eu

info@elysio.eu

+49 1520 1798395

[Twitter](#) : [Facebook](#) : [Instagram](#)

Depicted large horn speaker are crafted and build by **HORNSOLUTIONS**



CUSTOMER GALLERY



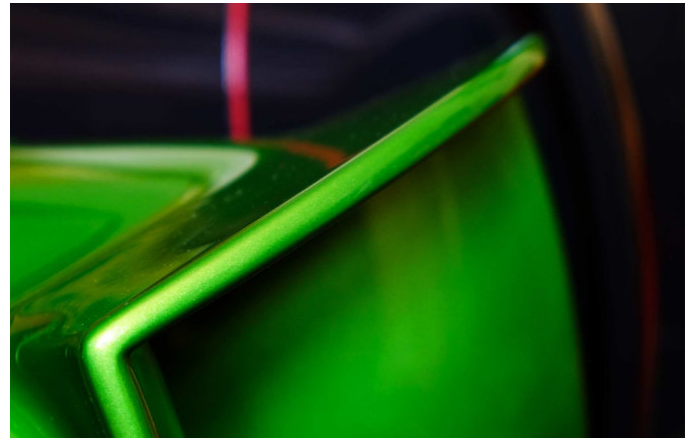
HT16-7040 "blood red" integrated into WE66 horn. Crossover 1.6khz, DSP



HT9-8060 "black" integrated into WE15a horn. Crossover 0.9khz, DSP



HT16-7040 "deep crimson purple" integrated into WE66 horn. Crossover 1.6khz, DSP



HT16-7040 "Jamaica green".



HT9-8060 "white" integrated into "flying" WE15a horn. Crossover 0.9khz, DSP



HT25-7040 "Aston Martin Cinnebar Orange" standalone bass + Iwata 300 horn.

