



# SYMPHONY 86

EXCLUSIVE RHD LOUDSPEAKER  
PREMIUM HOME AUDIO

*Juan Del Vecchio*



TECHNICAL DATASHEET v.1



## Key Silence

THE PLEASURE OF LISTENING TO MUSIC

THE NO. 1 IN THE REPRODUCTION OF ACOUSTIC MUSIC

# symphony 86

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## A Guinness World Records contender!

The only speaker in the world that, at just **18 cm wide**, can reproduce frequencies as low as **30 Hz!**

The only one capable of delivering the **widest soundstage**, freeing you from a single "sweet spot," and playing your favorite music with **unmatched dynamics**—even at low volumes.

**Ideal for classical and chamber music**, yet surprising with any other genre.

With its **elegant lines** and **exclusive high-end finishes**, it's the perfect companion for **luxury environments**.

## The most compact version of the system

Includes a **small yet intelligent subwoofer**, making the entire playback system **truly smart!** It can be programmed to **activate automatically** based on your listening habits—such as preferred genres and volume levels—engaging only under certain conditions to **expand the soundstage** and enhance low-frequency impact.

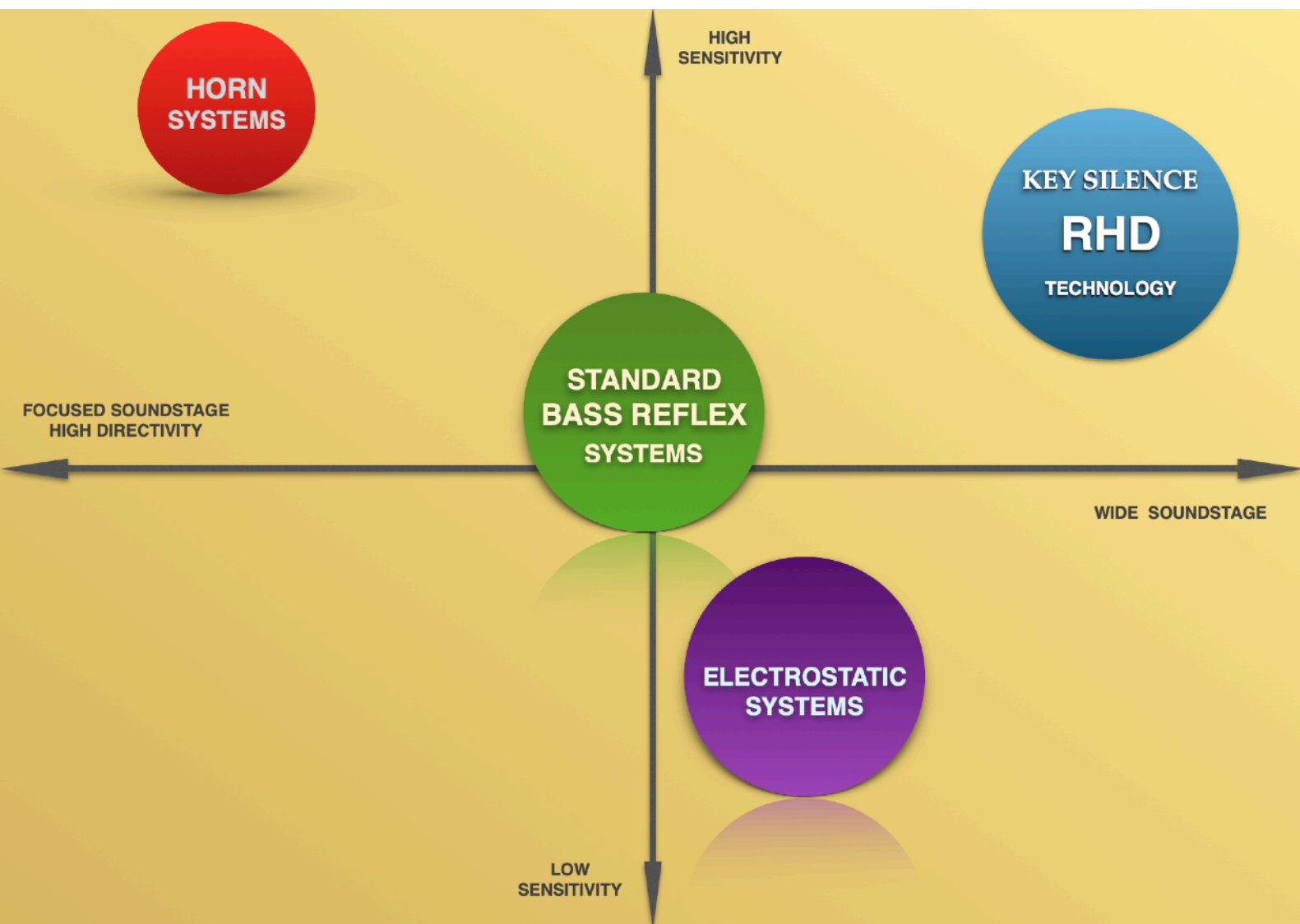
And with the **higher-end Symphony versions**, you'll experience **audio performance** that no other speaker of similar size—or even those **5 times (or more!) more expensive**—can match.



**THE ONLY ONE WITH  
AN OFFICIAL  
5-YEAR WARRANTY**

An exclusive product of the finest craftsmanship. A groundbreaking concept in high-fidelity home audio reproduction, built upon the AODM protocol by Master Juan Del Vecchio.

## THE NO. 1 IN THE REPRODUCTION OF ACOUSTIC MUSIC



### About RHD® Technology

The exclusive and innovative **RHD® technology** was developed to harness the advantages of existing audio technologies while minimizing—or in some cases, entirely eliminating—their drawbacks.

The result is a series of **exceptionally compact speakers** featuring:

- **High sensitivity**, rivaling horn-loaded systems;
- **Linear, coherent reproduction**, akin to the finest electrostatic speakers;
- **Fast, precise low-frequency response**, matching the performance of premium acoustic suspension designs.

With the **Symphony series**, for the first time, you can experience a **vast, pinpoint-accurate soundstage**—previously achievable only by far larger and costlier systems—while naturally resolving common acoustic issues found in typical listening environments.

Enjoy **unrivaled sonic immersion** without:

- Complex room treatments,
- Painstaking speaker placement,
- Or bulky, outdated cabinetry.

Discover how to own your pair today at [keysilence.com](https://keysilence.com)

# SYMPHONY 86 – TECHNICAL SPECIFICATIONS

<b>Acoustic Loading Technology</b>	RHD® - Horn-Loaded Dipole with Mechanically-Tuned Alignment [Patented]
<b>Configuration Type:</b>	Monovia with Super Tweeter <i>(Optional Pneumatic Suspension Reinforcement Subwoofer)</i>
<b>Drivers:</b>	2 x 100 mm Full range ultra-speed paper cone VTR® 1 x 50 mm Super Tweeter ultra-speed paper cone VTR®
<b>Limit Frequencies:</b>	– 6 dB 32 Hz   28 KHz
<b>Frequency Response:</b>	41 Hz   25 KHz -3 dB
<b>Dispersion Characteristics:</b>	Front side 65° ± 3 dB Rear side 65° ± 3 dB
<b>Crossover Frequencies:</b>	[100Hz] – 12 KHz
<b>Sensitivity (1):</b>	93 dB SPL (2,83V – 1m)
<b>Maximum Power Handling:</b>	120W - [320W with Sub Woofer]
<b>Speaker Impedance:</b>	4 Ohm [minimum 2,2]
<b>Total Active Surface Area (2):</b>	711,5 Cm <sup>2</sup>
<b>Drive Factor (3):</b>	111,2
<b>Mechanical Stability Ratio (4):</b>	4,88
<b>Dimensions (W x D x H):</b>	Linear 18 x 30 x 151 Cm Princess 20 x 30 x 151 Cm Limited 22 x 30 x 151 Cm
<b>Weight:</b>	Linear 28,5 Kg. Princess 38,5 Kg. Limited 42,3 Kg.
<b>Standard Finishes:</b>	Matte Black
<b>Materials:</b>	MDF   Marine-Grade Multi-Layer Wood – Aircraft-Grade Aluminum Alloy – Stainless Steel – Eco-Leather – Leather – Paper – Mount Etna Volcanic Basalt
<b>Design:</b>	Juan Del Vecchio

# AVAILABLE FINISHES



LINEAR	PRINCESS	LIMITED EDITION
Surface Finish: Matte / Gloss	Exclusive Papers Finishes	Exclusive Fabric   Leather Finishes
FLO   FLL	FPI   FPE	FLT   FLE

## VERSION NOTES - Warranty Coverage

All versions are backed by a **10-year comprehensive warranty** against functional defects. Throughout this period, defective products will be **repaired or replaced** at no cost.

### Standard Versions (LINEAR Series)

- **Base finishes:**
  - **Matte White**
  - **High-Gloss Black**
- **Eligible for 30-day risk-free purchase:** Full refund/return policy applies.

### Custom Editions (PRINCESS & LIMITED EDITION Series)

- **Handcrafted-to-order** with client-specified customization.
- **Exclusions:**
  - No trial period (30-day return policy does not apply).
  - Final sale due to bespoke production.

## Unrivalled sonic panorama - complete listener envelopment

Featuring an active driver surface equivalent to speakers triple its volume, the Symphony delivers room-filling performance unmatched by any similarly compact system



## Revolutionary Class 0 AODM technology - a world's first

Born from AODM engineering principles and equipped with groundbreaking RHD technology, the Symphony series reveals every musical detail with breathtaking clarity - outperforming all competitors of similar size



## Smart Subwoofer with Precision Electronic Management

Compact yet powerful subwoofer with programmable activation based on music content or listening volume



## Cones Meticulously Crafted from Specialty Paper

Despite contemporary marketing claims, paper-based cones demonstrate superior performance metrics in both mass-to-stiffness ratio and impulse response compared to synthetic composites



## TECHNICAL SPECIFICATIONS NOTES

(1-4)

1. **Sensitivity Value:**

Measured at **2.83V** (not 1W). For this  $4\Omega$  speaker, 2.83V equates to **2W**.

2. **Total Active Surface Area:**

The effective sound-emitting area. This determines:

- Maximum volume capability,
- Soundstage width.

3. **Drive Factor:**

The ratio of **active sound-emitting surface** to the **moving mass** (i.e., driver cone(s)).

- Higher values indicate efficient sound production with lower amplifier current demand.

4. **Mechanical Stability Ratio:**

The ratio of **speaker cabinet weight** to **driver membrane(s) weight**.

- Ensures suppression of internal/external vibrations caused by driver operation.

These **unique parameters**—rarely found in standard speaker specs—are critical for predicting real-world performance.

Designed & Manufactured By

**Key Silence “The pleasure of listening to music”**

**Trend BV Srl Company**

**Via V. Grasso, 23**

**95025 Acireale CT - ITALY**

**[www.keysilence.com](http://www.keysilence.com)**

As part of our commitment to continuous improvement, the manufacturer reserves the right to modify specifications at any time without prior notice