



# PHANTOM

IMPLOSIVE SOUND CENTER

INVENTED BY

**DEVIALET**

INGÉNIERIE ACOUSTIQUE DE FRANCE

DEVIALET





The Devialet Founders: Quentin Sannié, Pierre-Emmanuel Calmel and Emmanuel Nardin.

## DEVIALET. INGÉNIERIE ACOUSTIQUE DE FRANCE

Devialet, the world's most awarded start-up for the excellency of its innovations in sound technologies.

**Devialet origin: an invention which revolutionises sound processing.**

Pierre-Emmanuel Calmel invented a revolutionary technology that transformed sound amplification: **The ADH Intelligence**. This first invention allowed hybridisation between digital and analog technologies, creating an unreached before sound quality.

With Quentin Sannié and Emmanuel Nardin, he conceived and brought to market new systems of sound amplification which revolutionised for ever the sound quality and the listeners' experience. Together they created Devialet, Ingénierie Acoustique de France.

**3 founders, one common obsession : constant innovation**

Devialet is a French company born in 2007 from the encounter of 3 complementary and explosive expertise: Pierre-Emmanuel Calmel, an engineer, Quentin Sannié, a visionary entrepreneur and Emmanuel Nardin, a designer of excellency.

44 Awards

88 Patents

### Why Devialet?

*The name Devialet refers to Sieur de Vialet, engineer and companion of Diderot, who participated in writing some articles for the « Encyclopédie Française ». The philosophy of Enlightenment is indeed at the heart of our profound inspirations for the Brand: the technological progress makes the Man better. With emotion, essential component of Devialet's listening experience.*



## DEVIALET. INGÉNIERIE ACOUSTIQUE DE FRANCE

### The world leader is French

Founded and based in Paris, Devialet is now the international leader for high end amplifiers. Only 4 years after the first launch, Devialet has become a market leader thanks to the continuous, drastic and revolutionary inventions in the audio engineering.

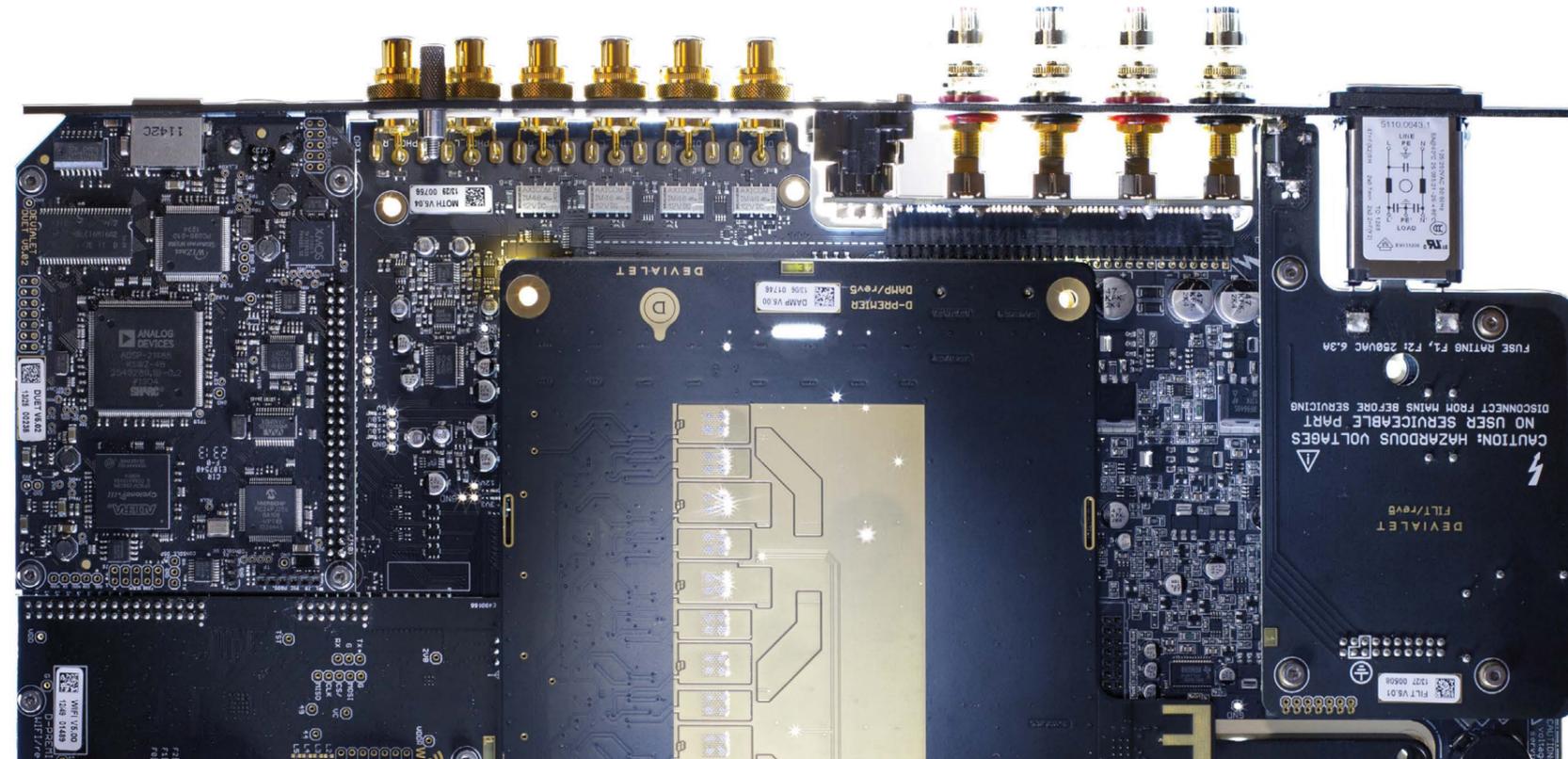
### The best team of acoustic engineers in the world.

In a building conceived by Gustave Eiffel and located in the heart of Paris, the best 40 acoustic, mechanic, electronic, computer and signal processing engineers work to invent the sound technologies of the future. Their motto: excellency, innovation and constant challenge.

### Supported by prestigious investors

In 2012, fascinated by the huge growth potential of Devialet and the quality of its future revolutionary products, prestigious entrepreneurs such as Bernard Arnault, Marc Simoncini, Xavier Niel and Jacques-Antoine Granjon joined Devialet's adventure. They gave Devialet the ressources to grow and take over the world audio market.

# DEVIALET



Why launch a new sound center, after the Devialet's amplifiers ?

*Today, Devialet's amplifiers are the best in the world and market leaders. They are sold between \$ 6,495 and \$ 29,995. Yet, our mission is to enthrall the world, and Phantom materialises that ideal: move people with the emotion of the perfect sound.*

## REVOLUTION BY DEVIALET

Devialet's technologies transform the world of sound.

Among the hundred inventions by Devialet's engineers, three completely changed the world of sound. These inventions are integrated exclusively in the Brand's systems.



The **ADH Intelligence**, is the key revolutionary invention which transforms sound amplification. It made possible, for the first time, hybridisation of digital and analog technologies. The power of one is combined to the preciseness of the other. Result: a more powerful, more distinct sound, with absolutely no distortion.



**SAM Processing**, is the first avant garde technology which allows Devialet's systems to adapt their signals to any type of speakers and emit the perfect sound. It enables speakers to reach a never heard before sound excellency.



**Heart Bass Implosion**, is a technology specifically designed for the new sound center Phantom. It goes beyond the limits of common speakers and allows a performance never reached before: to emit ultra-dense sounds thanks to lateral beats under very high pressure.

Strongly opposed to the obsolescence of technologies; Devialet put in place a specific protocol to guarantee the continual evolution of its systems. The **EVO Platform** ensures constant and free upgrades even after the products are purchased by the clients.

PHANTOM



THE BEST SOUND IN THE WORLD

AN INTENSE EMOTIONAL EXPERIENCE

A REVOLUTIONARY ENGINEERING INVENTION

REPLACES DOCKS, HI-FI, HOME-CINEMAS, SPEAKERS...

EXPERIENCE-READY: PLUG AND LISTEN

LISTEN TO MUSIC FROM YOUR SMARTPHONE,  
TABLET, COMPUTER USING WI-FI

ALONE OR IN A MULTI-ROOM SETUP

**MADE IN FRANCE**

GOOD TO KNOW:

PHANTOM IS ENTIRELY DESIGNED  
AND MADE IN FRANCE IN ULTRA-MODERN FACTORIES  
USING THE BEST TECHNOLOGIES IN THE WORLD.



**What is Phantom ?**

Phantom is a sound center, meaning, a system that receives via Wi-Fi music from your everyday devices (smartphone, tablet, computer, ...), it processes the signals and emits sound replacing your speakers.

Phantom is the best sound system in the world. Because it integrates revolutionary technologies to process and emit sound.

Phantom emits an **ultra-dense sound with physical impact**. The result: a uniquely powerful, incredibly distinct sound with no distortion.

Phantom will replace your stereo system, docks, home-cinema and even your speakers. It replaces everything. Phantom is the only thing you need.

Phantom is a 100% wireless product. It connects via Wi-Fi to all your devices (smartphone, tablets, computers, TV...)

Phantom also includes Optical input and Ethernet input.

Phantom can be used on its own or connected to other Phantoms, creating a multi-room system in the house.

DEVIALET

## THE PHANTOM REVOLUTION

### Why is Phantom revolutionary and superior ?

Phantom is unique. It emits sound through a new revolutionary process, in accordance with the absolute rules of acoustic perfection. Thanks to the technologies invented by Devialet and exclusive to its products:

#### An integrated cybernetic intelligence:

the **ADH Intelligence** exclusive to Devialet is a super powerful micro-processor that hybridizes digital and analog technology. It purifies and magnifies the sound signal. It rules with absolute precision the mechanical functions of Phantom.

#### A revolutionary acoustic architecture:

**Heart Bass Implosion:** Phantom integrates a unique system of sound creation thanks to lateral beats under a very high pressure.

The **spherical conception** of Phantom is the perfect acoustic architecture to ensure an omnidirectional emission and a uniform sound, no matter the angle you are listening from.

A **cybernetic that improves everyday:** thanks to the **EVO Platform**, your systems will continue to get better everyday. You won't even need to anything. Once installed at home, Phantom will upgrade constantly, enhance its internal connections, connect to other Phantoms, react to your presence and improve continually. Because Devialet is strongly opposed to the obsolescence of systems.



**88 PATENTS PROTECT  
PHANTOM'S INVENTIONS**

### A different sound, the best sound in the world.

For the first time, Phantom emits ultra-dense sounds with physical impact. A powerful, distinct and clear sound, never heard before.

Even at very high volume levels, Phantom's sound suffers no distortion. And during silent moments in your music, Phantom produces absolutely no air blast.

To reach this unique performance, we had to invent a fully cybernetic system integrating three major engineering inventions.

#### IN TECHNICAL TERMS

- 750W for Phantom, 3.000W for Silver Phantom
- 99dB SPL for Phantom, 105dB SPL for Silver Phantom, at 1m bandwidth of 16Hz to 20kHz

- No distortion
- No background noise
- No impedance

## DEVIALET

### WHY ARE WE TALKING ABOUT A CYBERNETIC OBJECT ?

Because it correspond to its philosophy and conception

The word cybernetic comes from the greek κυβερνήτης « to steer, navigate or govern » (Platon).

It was proposed in 1947 by the american mathematician, Norbert Wiener, to promote a unified vision of the dawning domains of automatisaton, electronics and mathematic theories of information. He defined cybernetics as « the scientific study of control and communication in the animal and the machine »

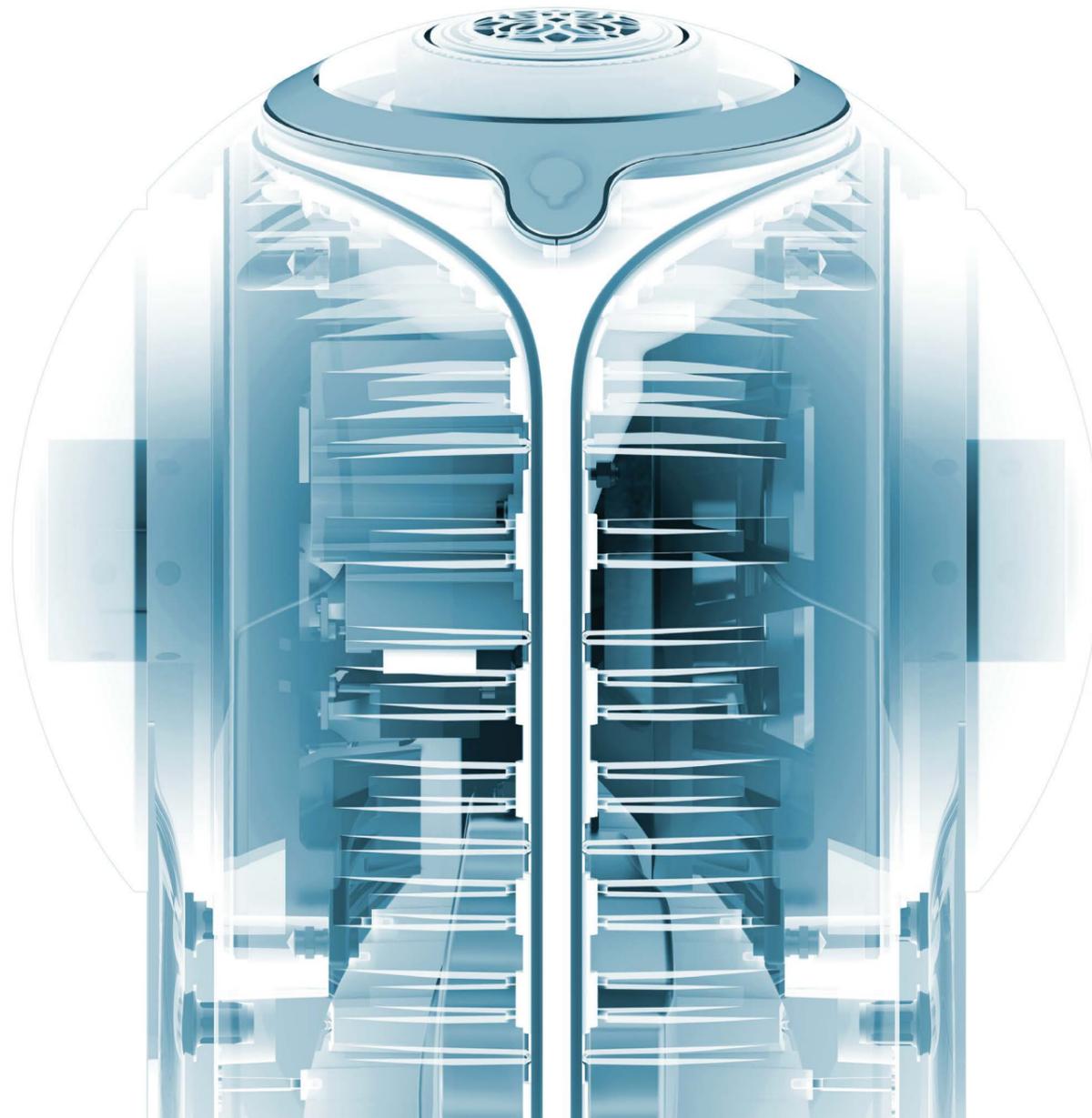
Cybernetics: « The art of securing efficient operation ».

Because it describes the technological breakthrough of Phantom

· A global and completely integrated vision of the hardware, software, electronic, mechanic, acoustic etc...

· Hybridisation of signal processing

· Total efficiency of interaction between electronic and mechanic.



One Phantom, or several Phantoms.

The choice is yours. In one space or in a multi-room in your house.

One Phantom is amazing. Many Phantoms is pure magnificence.

And it is easy:

One Phantom: plug, download the Spark application and send it music from your everyday devices. You are going to be instantly blown away.

Many Phantoms in one space: plug the Phantoms, plug Dialog, download the Spark application. Your Phantoms will recognize each other, synchronize and multiply spatially the acoustic experience, for the most intense moment you ever experienced.

Many Phantoms in the house, in different locations: plug the Phantoms, plug Dialog, download the Spark application. Your Phantoms will recognize each other and you can decide in which room you want to listen to music, your playlists, the volume... The ultra-dense sound with physical impact will fill your home.



# THE PHANTOM RANGE

<p>PHANTOM IMPLOSIVE SOUND CENTER</p>	<p>SILVER PHANTOM IMPLOSIVE SOUND CENTER</p>	<p>D I A L O G</p>
		
<ul style="list-style-type: none"><li>· Implosive Sound Center</li><li>· 750 W</li><li>· 99dB</li><li>· 1690 € TTC PPR</li></ul>	<ul style="list-style-type: none"><li>· Implosive Sound Center</li><li>· 3.000 W</li><li>· 105dB</li><li>· 1990 € TTC PPR</li></ul>	<ul style="list-style-type: none"><li>· Phantom's essential connector</li><li>· 299 € TTC PPR</li></ul>

PHANTOM'S  
INTELLIGENT ACCESSORIES

A series of approximately 10 thin, light gray horizontal lines spanning the width of the page at the bottom.

DEVIALET

DIALOG  
THE ESSENTIAL CONNECTOR OF PHANTOM

Dialog is Devialet's experience center for acoustic pleasure : it radically enhances the Phantom experience.

With Dialog, access the best online music services to enjoy a broader music library.

Bring the ultra-dense sound experience to every room in your house, abolishing distances and walls. Dialog allows you to connect several Phantom to create all systems : Duo, Cinema, Multi-room... up to 24 Phantom.

	Without DIALOG	With DIALOG
Play wirelessly all the music stocked in your computer, smartphone or tablet	+	+
Connect all your sources via Toslink (Airport Extreme, Bluetooth, game console, CD player, DVD, Blue-Ray...)	+	+
Have access to the best online music service (DEEZER, qobuz, TIDAL and many more to come)		+
Synchronize all your Phantom (Duo, Cinema, Multi-Room... etc)		+
Enjoy your Multi-Room		+
Simplified installation process		+
Transmission of data via PLC (Electric power transmission) for an optimized audio stream		+
Play music in all rooms covered by the Wi-Fi network		+



· 299 € TTC PPR

SPARK  
DEVIALET APPLICATION FOR MUSIC SHARING

Devialet's SPARK application - downloadable for free- allows you to control your Phantom all together or individually via Wi-Fi from your computer, smartphone or tablet. Shuffle from one song to another, from one room to another, from Phantom to Phantom.

All your sources and your those of your friends !

SPARK combines the music, songs saved on your devices or those of your friends' connected to the same Wi-Fi network. With Dialog, the essential connector of Phantom, obtain access to the best online music services

Control up to 24 Phantom. The Multi-room at the touch of a button

With SPARK, the possibilities are endless. Play your music at home when where and how you like: the same song playing in harmony throughout your home or a different song in each room, control the volume, group and ungroup your Phantom.

The first collaborative playlist

With SPARK, all users connected to the same Wi-Fi network can interact with each other and create a collaborative playlist in real time . You have access to your friends' music and they have access to yours. All you need to do is get together !



· FREE

COMPATIBLE OSX, ANDROID, WINDOWS...

TECH SPECS



DIALOG TECH SPECS

Power	Power adapter	built-in
Networking	Guest network	Wi-Fi 1 x dual-band Wi-Fi ( a/b/g/n 2.4 GHz & 5GHz )
	Phantom network	Wi-Fi 2 x dual-band Wi-Fi ( a/b/g/n 2.4 GHz & 5GHz )
	Ethernet PLC	10/100/1000 ( Gigabit ) Homeplug AV2
Compatibility	Requires smartphone/ tablet/desktop software	yes
	Supported OSs	iOS 7+, Windows 7+, Android 4.4+, OS X 10.9+
Processing unit	Processor Memory Synchronisation	quad-core processor 1,2 GHz 1GB ( RAM ) / 2GB ( Flash ) Devialet synchronisation module ( for more than one Phantom )
Peripherals	Optical:	Toslink input, pcn up to 24 bits / 192 htk
	USB:	Adput for Expert product line, available later through software update

PHANTOM TECH SPECS

	PHANTOM Implosive Sound Center	SILVER PHANTOM Implosive Sound Center
<b>PERFORMANCE</b>		
Sound Pressure Level	99 dBSPL at 1 meter	105 dBSPL at 1 meter
Amplification power	750 Wpeak	3000 Wpeak
Bandwidth	16Hz to 25kHz at +/- 2dB	
Digital Analog Converter	TI PCM1798 24bits/192kHz	
Processor	- 800MHz dual-core ARM Cortex-A9 MPCore processor, hard IP, and FPGA in a single Cyclone V System-On-Chip (SoC) - 512 MB DDR3 Memory	
Power Supply	Power supply with IEC 100-240 V 50/60Hz 10A	
Technologies	HBI® ADH® SAM® EVO®	

CHARACTERISTICS		
Size and weight	- Weight: 11 kg - Width: 253 mm - Height: 255 mm - Depth : 343 mm - Volume: 12,15 L	
Materials	- Composite body: - internal skin: glass fiber filled polycarbonate - external skin: ABS - Aluminum central core - Aluminum dome drivers	
Colors and finish	- White body RAL 9016 - Polished stainless steel side - White dome drivers	- White body RAL 9016 - Polished stainless steel side - Silver dome drivers
FEATURES		
Synchronization	1 to 24 Phantoms	
Connectivity	dual-band Wi-Fi (a/b/g/n 2.4 GHz & 5 GHz) Ethernet 10/100/1000 MHz (Gigabit) PLC Homeplug AV2 Toslink optical input (TV, blu-ray, video games console, ...)	
Application	Spark®, Bluetooth	
Supported OS	Windows 7+, Mac OSX 10.9+ iOS 7+, Android 4.4+	

## WHERE AND WHEN TO GET PHANTOM

Phantom is only available in exclusive places.  
The list of these places is updated regularly on  
<http://en.devialet.com/where-to-buy-where-to-listen/>

**Online**  
WWW.DEVIALET.COM

**Paris**  
Devialet Flagship  
126, Rue Réaumur, 75002 Paris

**Colette**  
213 rue Saint-Honoré, 75001 Paris

**London**  
Harrods  
87-135 Brompton Road, London SW1X 7X

**Devialet is distributed in Germany by  
Audio Components GmbH**  
Harderweg 1  
22549 Hamburg

*Check the complete list of resellers on [www.devialet.com](http://www.devialet.com)*

## PRESS CONTACT

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# PHANTOM

IMPLOSIVE SOUND CENTER



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