



PHANTOM

IMPLOSIVE SOUND CENTER

INVENTED BY

DEVIALET

INGÉNIERIE ACOUSTIQUE DE FRANCE





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

37
Awards

77
Patents

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.

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

DEVIALET.
INGENIÉRIE 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.

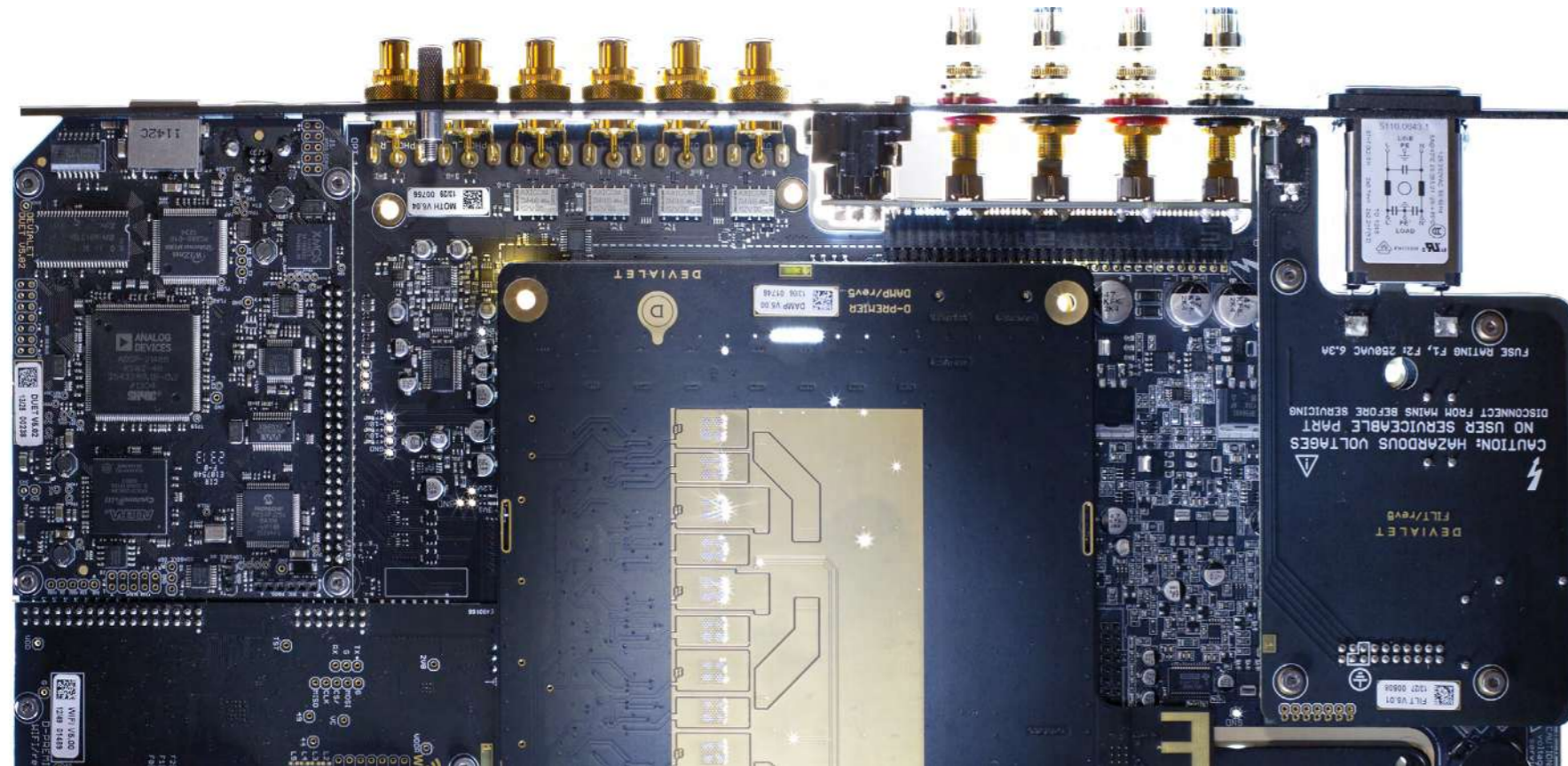
The best team of acoustic engineers in the world.

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 resources to grow and take over the world audio market.

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.

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 5.000 and 23.000€.

Yet, our mission is to enthrall the world, and Phantom materialises that ideal: move people with the emotion of the perfect sound.



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



MADE IN FRANCE

GOOD TO KNOW:

PHANTOM IS ENTIRELY CONCEIVED
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 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.



77 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

- Zero distortion
- Zero background noise
- Zero impedance

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 »

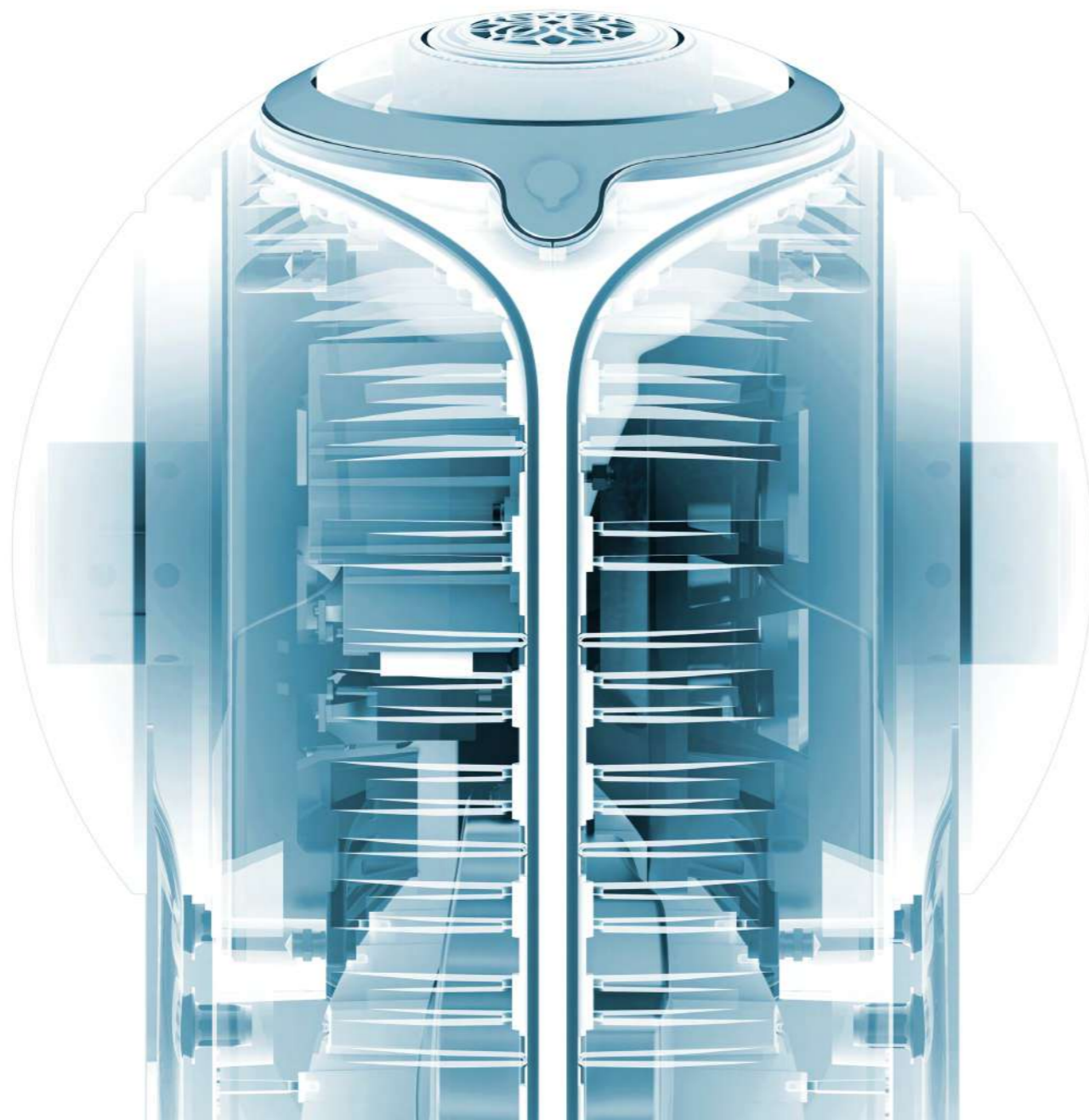
Cybernetics: « The art of securing efficient operation ».

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

PHANTOM

IMPLOSIVE SOUND CENTER



- Implosive Sound Center
- 750 W
- 99dB
- 1390 £ TTC_{PPR}

SILVER
PHANTOM

IMPLOSIVE SOUND CENTER



- Implosive Sound Center
- 3.000 W
- 105dB
- 1690 £ TTC_{PPR}

DIALOG



- Ultra-powerful WIFI sharing center
- 249 £ TTC_{PPR}

PHANTOM'S INTELLIGENT ACCESSORIES



DEVIALET

DIALOG

Ultra-powerful Wi-Fi sharing center

Dialog is Devialet's experience center for acoustic pleasure: ultra powerful, it deploys a multi-network in your home that connects all your devices and allows you to share your playlists with your friends.

The most reliable system in the world : Dialog opens the door to a world of acoustic pleasure with a very high output. With a processing power equivalent to that of the best computers, Dialog creates the most reliable existing network (a CPL network and three hyper-powerful Wi-Fi networks of 300 megabits/second on two bandwidths: 2,4 and 5 GHz).

Bring the ultra-dense sound experience to every room in your house, abolishing distance and walls. You choose which Devialet plays in in each space, at what power and on what music.

Compose your musical experience, alone or with friends: thanks to Dialog, your friends can access your Devialet universe and share their music in an independent, secure and separate « guest » network. There is no need for a setup or password. During a party, every guest can podcast his music to the playlist, and everyone can « push » their song before the others: making sure their song stays on top.

Dialog improves everyday without your intervention: Dialog is entirely scalable, constantly upgrading to always be the best experience center for acoustic pleasure, in the world.

*using the CPL network



• 249 € TTC PPR

SPARK

The ultimate music app

SPARK is the most advanced application in the world to physically feel the power of music.

Enjoy it alone or with your friends, with a small group or in parties of more than 100 people, all connected on SPARK.

SPARK is ergonomic and absolutely simple. It is equipped with a powerful technology (1 million operations per second, 100 thousands times faster than common systems), and thus infinite possibilities of pleasure.

You can visualise your music from all sources combined, on your smartphone, tablet and computer.

You can access your connected friends' music during parties,

Create your playlists in realtime and share them with the participants. Everyone can « push » their own songs and recognize the playlist.

As all Devialet's products, SPARK will upgrade constantly, for a better experience every time.

SPARK use is exclusive to Devialet's products.



• FREE

COMPATIBLE OSX, ANDROID, WINDOWS...



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: USB:	Input Asynchronous audio output for Expert product line

	PHANTOM Implosive Sound Center	SILVER PHANTOM Implosive Sound Center
PERFORMANCE		
Sound Pressure Level	99 dBSPL at 1 meter	105 dBSPL at 1 meter
Amplification power	750 W _{peak}	3000 W _{peak}
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
FONCTIONNALITIES		
Synchronization	1 to 24 Phantoms	
Connectivity	dual-band Wi-Fi (a/b/g/n 2.4 GHz & 5 GHz) Ethernet RJ-45 10/100/1000 MHz (Gigabit) PLC Homeplug AV2 Toslink optical input (TV, blu-ray, video games console, ...)	
Application	Spark®	
Supported OS	Windows 7+, Mac OSX 10.9+ iOS 7+, Android 4.4+	

WHERE AND WHEN TO GET PHANTOM

Order online, on our website
www.deviolet.com

As of December 16th, 2014, orders can be made through the website.

Shipping will start on January 15th 2015

At Devialet's shop:
126, Rue Réaumur, 75002 Paris

As of January 15th, 2015

At Colette, in Paris:

As of February 1st, 2015

At Harrods, in London:

As of February 1st, 2015

This list is not final. Please refer to us for further information.

PRESS CONTACT

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