

MAKING THE DIFFERENCE  
TO YOUR VISITOR EXPERIENCE

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# Optima6

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The Multimedia Audioguide





## The Optima6: Multimedia On-Demand!

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### Different versions means complete flexibility

The Optima6 is a Hands-free audioguide; messages are automatically triggered based on the exact location of the visitor.

Two different versions offer additional triggering possibilities to cover any situation:

- Optima6 "Keypad": A version with a 12-button keypad which allows the visitor to manually key in a message number and listen to the corresponding commentary.
- Optima6 "Point & Click®": A version with a single button. This version allows the visitor to point the Optima6 at a target and listen to the related message by simply pressing the button on the Optima6. The target can be a simple listening point, a video with synchronisation, or an interactive Kiosk.

### Multiple triggering techniques

Two automatic triggering techniques are integrated in the Optima6 as standard: Infra-red (IR), and RSF's proprietary bi-directional radio frequency technology.

Both techniques ensure precise control of the triggering areas and allow the Optima6 to be triggered by location without any action from the visitor.

### Direct audio streaming

The Optima6 integrates a digital audio streaming system for up to 60 parallel channels with multiple possible applications:

- Tour-guide interaction: a guide can directly address a group of visitors equipped with Optima6
- Multi-language audio streaming in stereo, for auditoriums
- General information and live alarm messages.

### Perfect synchronization for audiovisual applications

The Optima6 allows lip-accurate synchronisation with any audiovisual application (video, lighting, shows, etc.). The synchronisation system is very easy to install and allows multiple videos / audio tracks per zone and/or screen.

### Full multimedia interaction

Through its multiple triggering and synching technologies, the Optima6 allows for advanced interactions with multimedia applications such as PCs or Interactive Kiosks.

## PortaDAP Optima6

The Optima6 is the latest and completely remodelled version of RSF's award-winning hands-free, multimedia interactive audioguide, already installed in hundreds of sites worldwide. The Optima6 introduces new features never seen before and is offered in two versions:

### Keypad and Point & Click®.

Unlike traditional audioguides, with the Optima6 the visitors are offered multiple ways to enjoy their visits: Hands-free, pointing at targets, using a Keypad, or a combination of these.

The Optima6 has an extensive ability to interact with the latest multimedia technologies. This allows for seamless integration between audio, video, lighting, and computer applications in immersive and full-sensory visit experiences.

In addition, the Optima6 integrates a digital tourguide system that opens the door for applications never seen before.

## Unique functionalities

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### Wireless content updating and simple programming

The programming of visits is done using RSF's iGuide®, a very powerful and user-friendly PC-based programming tool. Content can easily be updated wirelessly if future changes become necessary.

### Wireless collection of usage statistics

Detailed usage statistics are automatically recorded inside each Optima6. A wireless system allows quick statistics collection.

### One week battery autonomy and wireless charging!

RSF's proprietary low consumption technique allows the Optima6 to offer a full week's battery autonomy with regular daily usage. The batteries are charged without any physical contact using RSF's Magic charge system. This means minimum handling, maximum reliability, and low operational costs.

### Customisable enclosure and ergonomic

The Optima6's small shape is aesthetically pleasing and easy to use. The front and side of the Optima6 can be completely customised both in terms of design and colour.

### The FreeSound® — Revolutionary headsets

RSF has developed the FreeSound®, a dedicated headset for the Optima6. This patented headset has high quality sound, is reliable, light, open-ear, and uniquely hygienic: Its speakers are directional and do not touch the ears!

### Universal accessibility

The Optima6 is ideal for visually impaired visitors who can be guided by the automatically triggered messages. Induction loops can be used for the hearing impaired.

### Efficient alarm system

RSF's proprietary bi-directional RF technology accurately locates the position of each audioguide, providing a small, discreet, highly efficient, and easy to install theft-protection system.

### Extreme reliability

Designed for absolute reliability: dozens of sites are running with previous generation Optima6 units for over 12 years. It comes with a standard 2-year warranty, extendable to 5 years!



## The FreeSound® the ultimate in comfort!

Unlike other headsets, the FreeSound® integrates directional speakers that offer superb stereo sound quality without physically touching the ears!

The ultimate hassle-free, hygienic solution...

Furthermore, the FreeSound® is an open ear system that allows you to enjoy your visit while keeping in full touch with your surroundings.

It is light and robust, in line with RSF's highest quality standards.

The FreeSound® is specifically designed to be used with RSF's revolutionary Optima6 hands-free audioguide system.



[www.rsf-int.com](http://www.rsf-int.com)

Made in Europe

## Technical specifications

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### Audio parameters

Audio Format	MP3, mono and/or stereo
Bandwidth	20Hz to 20KHz
Distortion	Below 0,01%
Dynamic	92 dB

### General parameters

Recording time capacity	Depends on flash memory capacity and encoding rate - Min. 72hours (4GB flash)
Numbers of languages/versions	32
Number of messages/lang	800
Number of priority messages	4 (for alarm or service announcements)
Storage support	Flash memory

### Buttons

Optima6 "Keypad" version	Full 12 button Keypad
Optima6 "Point & Click®" version	Single front button
Both versions :	Three programmable side buttons; usually used for volume control and confirmation

### Display

Front colour display	OLED 160 x 128 pixels: displays images, current language, battery level, message number, etc.
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### IR receiver

Infra-Red (IR)	Used for message triggering and synchronization with video
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### Bi-directional RF emitter/receiver

Specification	Digital; 2.4 GHz; compatible with the universal 802.15.4 IEEE standard
Channels	60

### Direct audio transmission via bi-directional RF, for:

Guided tours	Up to 60 groups in parallel
Service messages	Up to 16 languages in parallel
Movie audio streaming	Up to 16 languages in parallel

### Synchronization

Lip-accurate

### Battery

Type	Li/Ion (memory effect free)
Charging time	1.5 hour to 80%
Charging method	Wireless charging (no cables)
Autonomy	Up to 1 week with normal daily use

### Message programming tools

iGuide® software	PC based; user-friendly and powerful programming tool
Memorec® hardware	Transfers content from PC directly onto an Optima6

### Usage statistics

Recording	Zone and language usage statistics are automatically recorded inside the audioguide
iStatix® software	PC based; user-friendly and powerful statistics programming
StatWireless® hardware	Connects to PC via USB; Collects usage statistics from audioguides wirelessly using the bi-directional RF

### Theft protection

Yes; via bi-directional RF

### Connectors

Headset	Jack 3,5 mm
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### Recommended headset

RSF's hygienic open headset: the FreeSound®

### Enclosure

Moulded ABS/PC plastic; customisable enclosure

### Dimensions

105 mm x 65 mm x 19 mm (H x W x D)

### Weight

106 g

### Environment

Temperature	-10°C to 50°C
Relative Humidity	0-96%

### Warranty

2 years, with the option to extend to up to 5 years

## Optional accessories

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<b>Statis2®</b>	Hardware and software for wireless statistics collection
<b>Freesound®</b>	RSF-designed hygienic headsets that do not touch the ears; High quality sound
<b>EMzRF24</b>	Multi-purpose bi-directional RF zone emitter/receiver used for: Direct audio streaming, "On demand" message triggering, Synchronization with video, and Theft protection
<b>CAP1</b>	IR zone receiver used as a target in "On demand" applications; lights up to indicate reception
<b>EmzSYNII</b>	IR zone emission card for synchronization (up to 99 channels per point)
<b>EmzRACK</b>	IR five-zone emission card for message triggering
<b>Emz-OD</b>	Point & Click base unit, runs on batteries with 5-year autonomy
<b>Emz-ODMM</b>	Point & Click base station or multimedia applications. Runs on mains power.
<b>RAD1</b>	1 led IR radiator (for very small zones)
<b>RAD2</b>	2 led IR radiator (for medium zones)
<b>RAD3</b>	3 led IR radiator (for large zones)
<b>Emz3P</b>	Self contained IR emission point (emission card + 3 led IR radiator + power supply)
<b>EmzA</b>	Battery-powered, self contained IR emission point (emission card + IR radiator + batteries)
<b>Pilote</b>	RSF's multi-timeline show controller

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...And many other professional audiovisual devices from RSF's ProDAP® range

## Battery charging and storage rack



CHARGE5OP6MG

The CHARGE5OP6MG is a contact-free, Magic Charge system: by simply placing an Optima6 on an active slot, it recharges the battery in just a few hours.

Due to the extended battery autonomy of the Optima6 only 5 active charging slots are needed per 25 Optima6 units in order to keep the whole site permanently charged and functioning.





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