



OPTIMA4



Commercial Division

RSF Europe SA
rue de l'industrie, 18
L-8399 Windhof
G. D. of Luxembourg

Tel. +352 49 74 20 40
Fax +352 49 74 20 50
info@rsf-europe.com



Manufacturer

RSF
45, Avenue Marcel Dassault
(Parc de la Plaine)
31500 Toulouse - France

Tel. +33 5 61 20 79 09
Fax +33 5 61 80 00 94



OPTIMA4

A 'Spectacular' visit experience

product information

This award-winning audio guide has been especially created to provide spectacular visit experiences, designed specifically with full-sensory and show-like tours in mind.

Unlike traditional audio guides, the visitor has his/her hands free and so can concentrate on the visual and auditory stimuli as opposed to working the audioguide.

The OPTIMA4 is ideal for sites where the aim is to immerse the visitor in another world using and interacting with the latest multimedia technologies.

Introduced at the end of 2006, the OPTIMA4 is the latest version of RSF's OPTIMA audioguide model already installed in hundreds of sites worldwide.



Unique functionalities

Hands-free

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

Multiple triggering techniques

Two triggering techniques are integrated into the OPTIMA as standard: Infra-red (IR) and RSF's proprietary bi-directional radio frequency technology (where the coverage area is controlled with high precision). Two other triggering techniques are also possible, as options: 'Point&Click' and GPS.

'Point&Click' (optional extra)

The OPTIMA can be fit with a pen-like tool to trigger messages or synch with videos!

GPS reception (optional extra)

The OPTIMA can be provided with the latest GPS receiver technology (SiRF Star III). It's the ideal solution for outdoor use such as a self-guided city tour.

Direct audio steaming

The OPTIMA includes a digital 16-channel direct audio streaming system with multiple possible applications, including:

- * Multi-language audio steaming for auditorium applications,
- * Tour-guide interaction: a guide can directly address a group of visitors, each equipped with an OPTIMA. Up to 15 different groups can function in the same space!,
- * General information and direct alarm messages.

Perfect synchronisation with audiovisual applications

The OPTIMA allows lip-accurate synchronisation with any audiovisual application (video, light, shows, etc.). The synchronisation system is very easy to install and allows synching to multiple videos per point.

Full multimedia interaction

Through its multiple triggering and synching technologies, the OPTIMA allows for advanced interaction with multimedia applications, including PCs.

Users in mind

Customisable enclosure — Award winning design

The OPTIMA's customizable enclosure is both aesthetically pleasing and ergonomic. It won the prestigious French AIPC design award.

The FreeSound® — Revolutionary headsets

RSF has developed FreeSound®, a dedicated headset for the OPTIMA. 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 OPTIMA is ideal for visually impaired visitors who can be guided by the automatically triggered messages. Induction loops can be used for the hearing impaired.

Simple message programming and updating

The programming of visits is done using RSF's iGuide®, a very powerful and user-friendly PC-based programming tool. Updating of messages is simple and rapid: up to 50 units can be uploaded simultaneously using the battery charging rack.

Unique wireless usage statistics collection

Usage statistics are automatically recorded inside each OPTIMA. A wireless RF system allows quick and frequent statistics collection.

High battery autonomy

Several days (30 hours) of battery autonomy thanks to Li-ion rechargeable batteries and intelligent power management. Ideal for visits to towns and regions.

Efficient alarm system

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



Commercial Division

RSF Europe SA
rue de l'industrie, 18
L-8399 Windhof
G. D. of Luxembourg

Tel. +352 49 74 20 40
Fax +352 49 74 20 50
info@rsf-europe.com



Manufacturer

RSF
45, Avenue Marcel Dassault
(Parc de la Plaine)
31500 Toulouse - France
Tel. +33 5 61 20 79 09
Fax +33 5 61 80 00 94



OPTIMA4

Customization examples



Commercial Division

RSF Europe SA
rue de l'industrie, 18
L-8399 Windhof
G. D. of Luxembourg

Tel. +352 49 74 20 40
Fax +352 49 74 20 50
info@rsf-europe.com



Manufacturer

RSF
45, Avenue Marcel Dassault
(Parc de la Plaine)
31500 Toulouse - France

Tel. +33 5 61 20 79 09
Fax +33 5 61 80 00 94

Technical specifications

Audio parameters

High quality sound	Internal amplification system
Audio Format	MP3, mono and/or stereo
Bandwidth	20Hz to 20KHz
Distortion	Less than 0,01%
Dynamic range.....	92 dB

General parameters

Recording time capacity.....	Depends on flash memory capacity and encoding rate - Min. 24hours (512mb flash)
Numbers of languages/versions.....	32 (More are possible with a firmware upgrade)
Number of messages.....	950 (More are possible with a firmware upgrade)
Number of priority messages.....	4 (for alarm or service announcements)
Storage support	Flash memory

Buttons

Volume	2
Top left	2 programmable joint buttons; usually used to start unit and pause messages

Display

Front monochrome display	3 digits; multifunctional: displays language selected, battery level, message number, etc.
--------------------------------	--

IR receiver

Infra-Red (IR):	Used for message triggering and synchronisation with video
-----------------------	--

Bi-directional RF emitter/receiver

Specifications.....	Digital; 2.4 GHz; compatible with the universal 802.15.4 IEEE standard
Channels.....	16

Direct audio transmission via bi-directional RF, for:

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

GPS (optional)

Global Positioning System (GPS).....	Used for outdoor message triggering (as an optional extra)
--------------------------------------	--

'Point&Click' option

Pen-like pointer.....	Used to point and click to trigger messages or synch with videos (as an option)
-----------------------	---

Synchronisation

By emission of time code (by IR or RF)
--

Battery

Type.....	Li/Ion (no "memory effect")
Charging time.....	1.5 hours for an average charge
Autonomy.....	Several days of general use
MCD500/ MCD1000	Charging racks for content and batteries for 50/ 100 OPTIMA4 units
KIT500/ KIT1000	Charging racks for batteries for 50/ 100 OPTIMA4 units

Message programming tools

iGuide® software	PC based; user-friendly and powerful programming tool
Memorec® hardware	Transfers content from PC onto a 'Master flash card' or directly onto an OPTIMA4
MCD500/ MCD1000 charging racks	Contains the 'Master flash card'; Transfers content onto up to 100 OPTIMA4s in parallel

Usage statistics

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

Theft protection

Yes; via bi-directional RF

Connectors

Headset	Jack 3,5 mm Fem.
Power/Message downloading	Female Sub D15

Headset.....

Reinforced, high fidelity, sturdy and light (ref. HQHD)

Enclosure.....

Moulded ABS/PC plastic; customisable design

Dimensions.....

150 x 95 x 40 mm (L x D x H)

Weight

200 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

Ref. CP4TG	Tourguide unit allows guide to take control of guests' audioguides for commentary or safety messages
Ref. Statist2®	Hardware and software for wireless statistics collection
Ref. Freesound®	RSF-designed hygienic headsets that do not touch the ears; High quality sound
Ref. Cleansound®	RSF-designed headsets with low hygiene management cost; High quality sound
Ref. EMzRF24.....	Multi-purpose bi-directional RF zone emitter/receiver used for: Direct audio streaming, "On demand" message triggering, synchronisation with video, or theft protection
Ref. CAP1	IR zone receiver used as a target in "Point&Click" applications; lights up to indicate reception
Ref. EmzSYNII	IR zone emission card for synchronisation (up to 99 channels per point)
Ref. EmzRACK	IR five-zone emission card for message triggering
Ref. RAD1	1 led IR radiator (for very small zones)
Ref. RAD2.....	2 led IR radiator (for medium zones)
Ref. RAD3.....	3 led IR radiator (for large zones)
Ref. Emz3P.....	Self contained IR emission point (emission card + 3 led IR radiator + power supply)
Ref. EmzA.....	Battery-powered, self contained IR emission point (emission card + IR radiator + batteries)
Ref. Pilot	RSF's multi-timeline show controller
Ref. MicroDVP-Divx	RSF's solid state MPEG2 (up to 12 mbps) and Divx video player
...	And many other professional audiovisual products from RSF's ProDAP® range (www.rsf-int.com)