



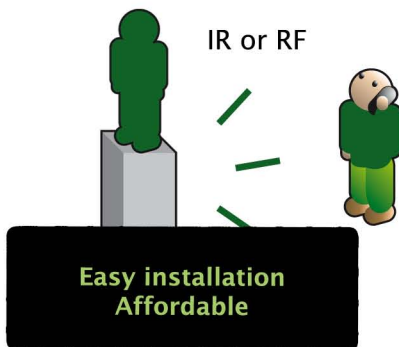
# Triggering Systems

## Radio Frequency, RFID, & Infrared

Our automatic triggering systems are customized to fit your specific project. Whether they are automatic or manual, they allow visitors the opportunity to partake in an original and interactive tour.

We offer many types of triggering systems; from a simple RFID beacon to a combination of drivers and satellites enabling the synchronization of the audioguide with other interactive devices.  
Technologies: Infrared, Radio Frequency and RFID  
Triggering systems: synchronization, manual triggering, automatic triggering

### Beacon, IR or RF (autonomous transmitter)



The beacon sends a code to the audioguide which triggers audio commentary that the visitor will hear when they arrive in a programmed zone.

Enclosed in a hard-shell case with 2 push buttons for configuration; it is easy to install and adjust.

Power supply or battery with regulator

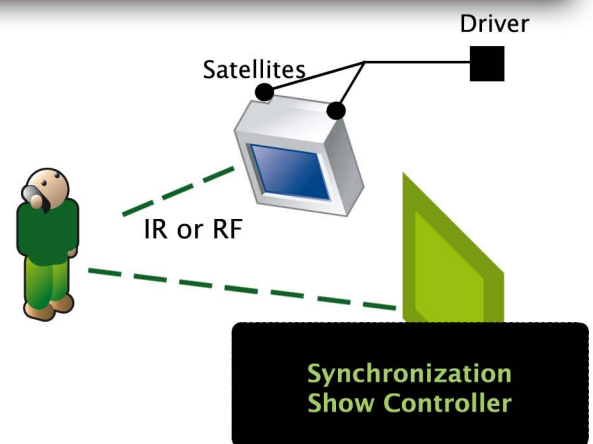
The most cost effective solution amongst our range of triggering systems

### Drivers and Satellites

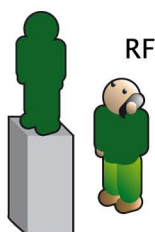
The driver and 4 satellites (IR or RF) send signals to trigger commentary on the audioguides.

This combination also provides the opportunity to synchronize the commentary with different peripherals such as video, sound, lights, etc.

Power supply



### Tag RFID



RFID technology completes our product range by enabling precise automatic triggering from a range of less than 20cm.

Since 1992, OPHRYS Systèmes has been a leading innovator in the world of visitor tour solutions. Each day, millions of visitors use Orpheo audio guides around the world.



## TECHNICAL SPECIFICATIONS

### IR & RF TRIGGERING SYSTEMS

Our system is composed of a Driver and from 1 up to 4 satellites. Each pilot can be installed in network.

#### Power supply

Input: AC90–264V, 47–63Hz / Output 5V, 1A  
Conforms to CE standards  
Interior use only

#### RF Satellite

Open field range: 80 meters  
Frequency: 433 Mhz ASK/OOK  
Transmitting power: adjustable from - 2 to 8 dBm  
CPCA coding

#### IR Satellite

Maximum open field range: 10 meters  
Minimum open field range: 20 to 30 centimeters  
The activation range can be increased with the addition of extra satellites.  
Transmitting power: 400mW/sr at 1A  
Lens dimensions: 5mm/T1.3/4  
Transmission angle at half signal: 34°  
Time: t on: 0.5µs; t off: 0.5µs  
Wavelength: 950nm

#### Communication

Serial COM port RS232  
4 inputs / 4 outputs  
Driver configuration with DriverManager tool

### IR & RF BEACONS

Beacons functions without a Driver.

#### Power supply

Input: AC90–264V, 47–63Hz / Output 5V, 1A  
Conforms to CE standards

#### Battery

8,4VDC or 12VDC with a 5 VDC regulator

#### Consumption

RF permanent transmission < 15mA  
IR permanent transmission < 200mA  
In timed idle mode < 1µA / 5VDC

#### IR Beacon

Maximum open field range: 10 meters  
Minimum open field range: 20 to 30 centimeters

#### RF Beacon

Open field range: 80 meters

They possess an internal clock to optimize power consumption according to a site's operating hours. Beacons come with a power supply included.

#### Configuration

The software to configure the Beacons is included and functions via an RS232 or a USB port. It's possible to configure the transmission code using 2 push buttons.

#### TAG RFID

ISO 15693  
13.56 MHz  
Memory: 2 kilobits  
Triggering range: <20cm

RFID tags can be read by our products:  
ORPHEO CLASSIC

#### RFID READER

Reader for Tag ISO 15693  
Integrated in the Orpheo CLASSIC model

#### DIMENSIONS

LENGTH

4,2 cm

#### DRIVER

11,3 cm

#### BEACON

4,2 cm

WIDTH

4 cm

11 cm

4 cm

DEPTH

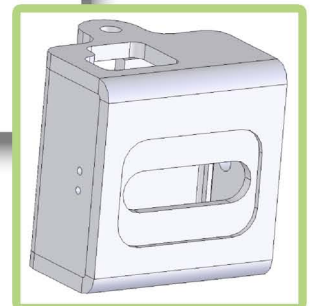
3,6 cm

2,5 cm

3,6 cm

#### Sites who have chosen our triggering systems:

The Music Museum (Paris, France)  
Michelin Museum (France)  
The Memorial of Compiègne (France)  
The Museum of Sorcery (France)  
L'Espace George Brassens (Sète, France)  
Rewind Rome (Rome, Italy) etc.



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BERLIN

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TOKYO

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