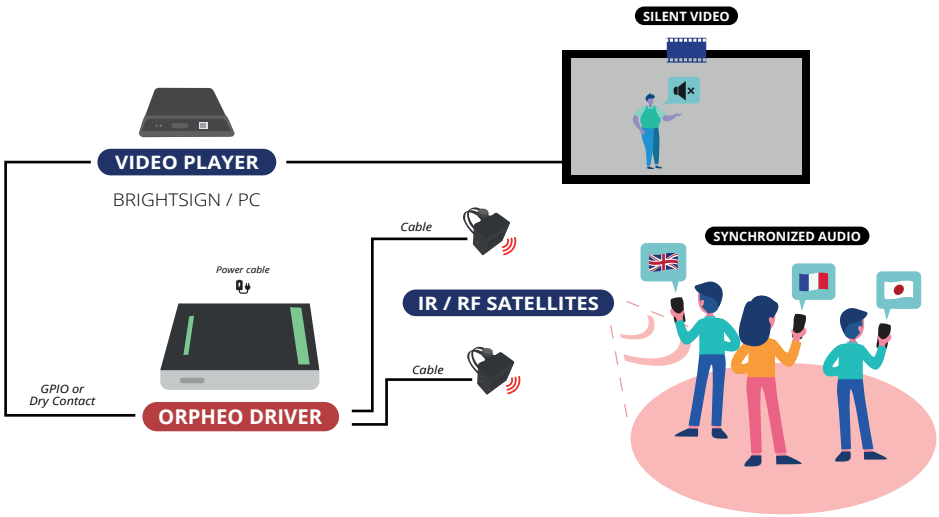
orpheo
global visitor solutions



Orpheo Driver

Audio / Video synchronisation

The Orpheo synchronisation system enables synchronisation between video or multimedia content and audio played on handheld visitor devices, in the appropriate language.



A driver and up to four satellites (IR or RF) trigger synchronised audio playback on Orpheo devices. Synchronisation is achieved using timecode, ensuring frame-accurate alignment between video content and the audio. Audio content is stored on the devices, ensuring reliable playback without audio transmission (no streaming).

Technical specifications

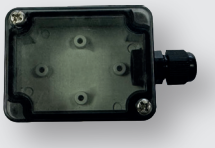
Our video synchronisation system consists of **a Driver and up to four satellites**. The satellites are connected to the Driver to cover the desired synchronisation area. Multiple drivers can be connected in series.



Orpheo Driver
11.3 cm x 11 cm x 2.5 cm



Satellite
4.2 cm x 4 cm x 3.6 cm



Optional waterproof case



Compatible with BrightSign player

ORPHEO DRIVER

Compatible with BrightSign and other media players via dry contact
Inputs: GPIO, dry contact
Outputs: 4 satellite outputs
Synchronisation via timecode
Firmware programming: WinPic
Configuration via Driver Manager software (RS232 connection)

POWER SUPPLY

Input: 90-264 VAC, 47-63Hz (universal)
Output: 5V DC, 1.6A
CE compliant

RF SATELLITE

Effective open field range: 4 meters to 100 meters
Range must be calibrated on-site (adjustment by potentiometer)
Frequency: 433.92 MHz
Modulation: ASK/OOK
Integrated antenna
Transmitting power: adjustable from –2 to 8 dBm
Requires RF-compatible devices

IR SATELLITE

Effective open field range: up to 40 meters
Minimum recommended distance: 20-30 cm
Range must be calibrated on-site (adjustment by potentiometer)
Range can be extended by adding additional satellites
Transmitting power: 400 mW/sr at 1 A
Lens: 5 mm / T1.3 / 4
Beam angle (half power): 34°
Timing: t on: 0.5 µs; t off: 0.5 µs
Wavelength: 950 nm

CASING

Weight: 38g - ABS plastic - Color: black
Adjustable wall mounting bracket
Protection: IP54 (optional case)

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Every day, millions of visitors use Orpheo's solutions around the world.

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