

**DIGITAL  
SOUND**



# Orpheo TG

Orpheo TG helps tour groups overcome background noise and distance from the tour guide - even in noisy surroundings

Used in factories, museums, power plants, zoos, theme parks, tourist attractions - anywhere tours are conducted

Orpheo TG is audioguide compatible; it enables a docent to conduct a tour with 3 different languages simultaneously

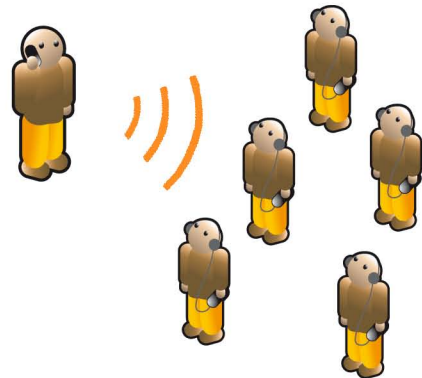
**Portable, wireless listening, easy to set up and use**

No installation required / Operates over a distance of approximately 100 meters (300 feet)

Unlimited number of users

Up to 40 channels can be used simultaneously enabling the system to be used for multi-lingal applications or simultaneous translation

**Weatherproof - Light - Robust**



Individual power supply or portable charging case with 24 slots

## SYSTEM FEATURES

- UHF band 2400-2485.5 MHz
- Conforms to international regulations
- Easy switch transmitter/receiver mode
- 40 selectable channels in stereo
- Digital Technology
- 24 hours full use autonomy
- OLED Display
- Radio debit: 500 kbps
- Integrated loudspeaker



More than 17 years of research and development experience in the Audioguide world  
With more than 70,000 devices installed around the world, we have the experience to create top-of-the-line audio tour solutions



## TECHNICAL SPECIFICATIONS

### Key Specifications / Overall system

Carrier frequency range: ISM/SRD 2400 – 2485.5 Mhz  
(according to international regulations)  
Adjustable frequencies: pre-programmed  
40 selectable channels  
High Quality Stereo Codec  
Ambient temperature: -10°C ~ 50°C  
Antenna: internal  
Battery: 2100 mAh lithium polymere 3.7V  
Battery life Alkaline disposable: 24 hours  
Operating range: 100 m (open field)  
USB 12 Mbit/s  
OLED Display  
Dimensions (LxWxD): 10 cm x 5 cm x 1.8 cm  
Weight ~ 80 g

### Receiver

Sensitivity: -103 dBm  
Adjacent Chanel Rejection: 23 dB  
Audio level: 0 dB  
Double Earphone connector: 3.5 mm socket  
for stereo  
Signal Noise Ratio: 98 dB  
Total Harmony Distortion: -84 dB  
Stereo or mono configurable

### Transmitter

Microphone : condenser mic. (lapel or headset mic.)  
Power 1 dBm -> 10 mW  
Programmable Ouput Power up to -30 dBm  
Channel triggering by remote control  
Avoiding other WiFi and Bluetooth Frequencies  
Signal Noise Ratio: 95 dB  
Total Harmony Distortion: -80 dB

### Charging Rack (available in carry case format)

Number of charging slots: 24  
Voltage requirements: 100 V/ 240V AC  
Indicator lights:  
LED green: battery charge complete  
LED blinking red: recharging  
Charging current: approx. 400 mA (configurable)  
Charging time Li-Polymere (2100 mAh): 2 ~ 3 hours  
Thermal Charging Protection  
Dimensions (LxWxD): 45 cm x 17,6 cm x 9 cm  
Can be rack mounted, standard 19" format  
Weight: 2,5 kg

### Individual Charging Functionality

USB plug permits the charging of individual devices with a  
USB/jack adaptor



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