



WAVELINK III

Light and Ergonomic Wireless Tour Guide System

product information

The WAVELINK wireless tour guide system allows addressing several groups of visitors clearly and discreetly in open and busy environments, without interference among groups and without any noise pollution. In each group the guide has a transmitter and each visitor a receiver. Regardless of distance, the guide's voice is heard clearly by the visitors in his group, free from any background noise.

The WAVELINKIII is a new generation model that features better power and battery autonomy than competing products while being much lighter and smaller in size!



Unique tour guide interaction

The group guide can address the visitors live or transmit to them pre-recorded messages (using one of the RSF audioguide models, for example).

Modular

Unrestricted number of visitors per group. Up to a minimum of 18 groups in parallel, in the same space.

High quality sound

Large audio frequency response.

Ergonomic

Contrary to competing products, the WAVELINKIII transmitters and receivers are small in size (85x60x19mm), and very easy to hold in the hand.

Light

The transmitters and receivers are very light (60g), therefore very comfortable to carry around the neck.

Simple to use for the visitor

All the visitor needs is to adjust the volume level.

Simple to use for the operator

It is not easy for the users to switch frequencies, avoiding setting confusions.

Compliant

Uses approved frequencies worldwide. Rohs and CE compliant.

Reliable

No moving parts, latest technologies and high quality components

Multi-application

Can be used as a translation system, or as a multi-language transmission system for tourist buses, projection rooms, etc.



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-int.com
www.rsf-int.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

Key Specifications / Overall System

| | |
|---------------------------------------|---|
| Oscillation type | PLL synthesized control OSC |
| Carrier frequency range | UHF 744-752 MHz, 794-806 MHz, and/or 863-865 MHz |
| Adjustable frequencies | Pre-programmed 16 selectable frequencies |
| Number of simultaneous channels | Up to 18 (using all of the three band frequencies) |
| Stability | Less than $\pm 0.005\%$ |
| Ambient temperature | $-10\text{ }^{\circ}\text{C} \sim 50\text{ }^{\circ}\text{C}$ |
| S/N Ratio | 80 dB Overall |
| Antenna | Built-in loop antenna |
| Battery | AAA x 2 (UM-4) |
| Power requirement | 10-50 mW (Max.) |
| Operating range | 60 ~ 100 M (open field) |

Receiver (ref. WLK3-R)

| | |
|---|--|
| Receiving mode | PLL single-channel receiving |
| AUX output | 300 mV @ 1k Ω |
| Sensitivity | -90 dBm \pm 2 dBm |
| AF Frequency response | 100 Hz ~ 15 kHz (+/- 3 dB) |
| AF Level sensitivity | Adjustable |
| T.H.D. | Less than 0.5 % (at 1 KHz) |
| Maximum deviation | 40 kHz, with level limiting |
| Earphone connector | 3.5 mm jack socket, for mono or stereo |
| Current consumption | 70 mA \pm 10 mA |
| Battery life with Rechargeable | 8 to 10 hours |
| Battery life with Alkaline disposable | 16 to 18 hours |
| Dimensions (D \times W \times H) | 85 \times 60 \times 19 mm |
| Weight | 60 g |



Transmitter (ref. WLK3-T)

| | |
|---|--|
| Micro type | Condenser |
| RF output | 10 mW (Max. - according to regulation) |
| Spurious emission | Less than -50 dBc |
| AUX IN | -10 dBv @ 1k Ω |
| Current consumption | 50 mA \pm 10 mA |
| Battery life with Rechargeable | 10 to 12 hours |
| Battery life with Alkaline disposable | 18 to 20 hours |
| Dimensions (D \times W \times H) | 85 \times 60 \times 19 mm |
| Weight | 60 g |



Handheld Micro Transmitter (ref. WLK3-MT)

| | |
|---|---|
| Micro type | Dynamic |
| Antenna | Built-in |
| AF Frequency response | 50 Hz ~ 18 kHz (+/- 3 dB) |
| Stability | Less than $\pm 0.005\%$ |
| S/N Ratio | 80 dB Overall |
| RF output | 10 mW (Max. - according to regulation) |
| Current consumption | 100 mA \pm 10 mA |
| Battery | 1.5V \times 2 AA (Ni-MH rechargeable battery) |
| Autonomy with Ni-MH rechargeable battery | 10 hours on average |
| Autonomy with Alkaline disposable battery | 17 hours on average |
| Dimensions (Dia \times L) | 51 \times 220 mm |
| Weight with battery | 230 g |





Technical specifications (cont.)

Stationery Transmitter (ref. WLK3-ST)

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|-------------------------------|--|
| Oscillation type | PLL synthesized control OSC |
| Carrier frequency range | UHF 744-752 MHz, 794-806 MHz, and/or 863-865 MHz |
| Adjustable frequencies | Pre-programmed 16 selectable frequencies |
| RF output: | 10 ~ 50 mW (according to regulation) |
| S/N Ratio | 100 dB Overall |
| Spurious emission | Less than -50 dBc |
| Band width | 26 kHz |
| AF Frequency response | 50 Hz ~ 15 kHz (+/- 3 dB) |
| Stability | Less than ±0.005% |
| T.H.D. | Less than 0.5 % (at 1 KHz) |
| Power supply | DC12V~14V. 300~2000 mA |
| Antenna | UHF TNC High-sensitivity antenna |
| Audio Inputs | 6.35 mm jack plug, bal. 3-pin XLR, RCA jack |
| Operation Range | 100 ~ 180 M (open field) |
| Dimensions (DxWxH): | 210 x 190 x 44 mm |



Slot Charger Carry Case (ref. WLK3-CC12 & WLK3-CC24)

| | |
|---|--|
| Number of charging compartments | 12 & 24 (receiver or transmitter) |
| Power requirement | 100 ~ 240V AC switching adaptor 5V DC, 12A |
| Indicator lights LED orange | Battery charging |
| LED green | Battery ready |
| Charging current | 300 ~ 330 mA |
| Charging time (Ni-MH. 1300mAH) | 4 ~ 5 hours |
| Charging control | PWM control, -ΔV and timer power-off detector, |
| Dimensions (DxWxH) | 30x25x15 cm & 42x25x15 cm |
| Unlade weight (with no equipment) | 6.8 kg & 7.8 kg |



Charging Rack Solution (ref. WLK3-FC48 & WLK3-FC96)

| | |
|---|------------------|
| Number of charging compartments | 48 & 96 |
| Indicator lights LED orange | Battery charging |
| LED green | Battery ready |
| Charging time (Ni-MH. 1300mAH) | 4 ~ 5 hours |
| Charging control | Full |
| Dimensions (DxWxH) | 40x55.6x57.1 cm |
| Unlade weight (with no equipment) | 28 kg & 34 kg |



Accessories

