

MAKING THE DIFFERENCE  
TO YOUR VISITOR EXPERIENCE



# Wavelink III

Light and Ergonomic Wireless Tour Guide System



[www.rsf-int.com](http://www.rsf-int.com)

Made in Europe

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## Light and Ergonomic Wireless Tour Guide System

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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.

# Wavelink III

## 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 °C ~ 50 °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	500 mV @ 1k $\Omega$
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	30 kHz, with level limiting
Earphone connector	3.5 mm jack socket, for mono or stereo
Current consumption	80 mA $\pm$ 10 mA
Battery life with Rechargeable	8 to 10 hours (1000 mAH)
Dimensions (DxWxH)	85x60x19 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 $\Omega$
Current consumption	50 mA $\pm$ 10 mA
Battery life with Rechargeable	10 to 12 hours (1000 mAH)
Dimensions (DxWxH)	85x60x19 mm
Weight	60 g



# Wavelink III

## Technical Specifications (cont.)

### Stationery Transmitter (ref. WLK3-ST)

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 $\pm 0.005\%$
T.H.D.	Less than 0.5 % (at 1 KHz)
Power supply	DC12V~14V. 500 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):	210x190x44 mm



Stationery Transmitter (ref. WLK3-ST)

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

Number of charging compartments	32 & 40 (receiver or transmitter)
Power requirement	100 ~ 240V AC switching adaptor 5V DC, 12A
Indicator lights LED orange	Battery charging
LED green	Battery full
LED red & green glittering	Abnormal charging
Charging current	300 ~ 330 mA
Charging time(Ni-MH. 1000 mAH)	4 ~ 5 hours
Charging control	PWM control, $-\Delta V$ , $-\Delta I$ and timer power-off detector
Dimensions (DxWxH)	30x25x15 cm & 42x25x15 cm
Unlade weight (with no equipment)	6.8 kg & 7.8 kg



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



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