



OKAYO

Sound & Communication

AT-100/ATC-110/ATC-110U

AUDIO GUIDE SYSTEM

WT-808R/WT-808T

WIRELESS COMMUNICATION SYSTEM

EJ-7R/EJ-7LT

WIRELESS LANGUAGE INTERPRETATION SYSTEM

www.okayo.com



WT-808T/R

WIRELESS COMMUNICATION SYSTEM

Tour Guide/ Translation/ Education System

Addressing groups of people discreetly without sound reinforcement is difficult, especially when conducting tours in factories, scenic spots and conferences.

Special problems making it essential to use an effective communication system.

OKAYO wireless tour guide system is designed to be simple, lightweight and durable. This system allows couriers' voices to be clearly heard by listeners, and effectively eliminates the hearing challenge of background noise, distance and reverberation.

OKAYO wireless tour guide system can be used anywhere and is the most reliable brand.

SYSTEM FEATURES

- UHF band 740-865 MHz. PLL synthesized with 16 selectable frequencies. multiple-channel operation.
- Portable, easy to set up and use. No installation is required. Reception range approximately 50 ~ 80 meters (open area).
- Accommodating any number of users with additional receivers.
- Up to 8 frequencies available for simultaneous & multi-language interpretation.
- Mic. input and Aux. input available. hidden condenser microphone accessible for backup.
- WT-808R's hidden speaker is an alternative for earphone. Unique design of sound-guiding output for using Ear-bud Tube as earphone. Aux. output available for companion speaker.
- Rechargeable function design. Matching with HDC-808 (dual-slot) and portable HDC-36 (36-slot) charger case.

Application Occasions

- Guided tours in museums, galleries, exhibitions and trade shows.
- Multilingual conferences, presentations and meetings.
- Presentations of services and products.
- Guided tours in factories with high noise level.
- Wireless simultaneous translating occasions.

Optional Transmitters

EJ-801TS Handheld Microphone
UHF handheld microphone with 16 selectable frequencies. With super-cardioid dynamic capsule and integrated antenna.

EJ-880T Stationary Transmitter
The stationary UHF transmitter with 16 selectable frequencies. Dual function of audio processing design and high-fidelity radio-link applications to meet high language interpretation needs.

Option:



EJ-880T
Stationary Transmitter



WT-808R
Bodypack Receiver

WT-808T
Bodypack Transmitter



EJ-801TS
Handheld Microphone

HDC-808/809
Dual-slot Charger



HDC-36
36-slot Charger Carry Case



HDC-50
50-slot Charger Drawer Case



AT-100/ATC

AUDIO GUIDE SYSTEM

Lightweight, Hand-free, U

AT-100 is the newest audio-guide player of **OKAYO**. Combining superb digital sound, exceptional durability and an affordable audio solution for museums, galleries, historical sites and more.

FEATURES:

- **AT-100** audio-guide player's size, shape and weight for maximum comfort.
- Featuring a raised and dotted keypad (Number 5) for easy use by tour accessible to more visitors.
- Symbol marks, including "stop", "play", "pause" and volume control, by young and elder visitors.
- Built-in Speaker with quality sound using new digital codecs and a 3.5mm audio jack for the second listener.
- Incorporated with 256MB SD card. makes mixed storage and playback inside the unit possible.
- More than 4-hour (256 minutes / stereo) electricity capacity.
- Rechargeable function design - matching with E-J's "E-J" Ni-MH rechargeable batteries.
- Fully-charged batteries can be used more than 10 hours.
- Updating commentaries quickly. Accessible for computer and USB download interface available.
- A low-cost alternative which can be used for exhibitions.



AT-110/ATC-110U

SYSTEM

User-friendly, Low cost

and user-friendly features. AT-100 offers a modern and compact design for various sites, other sizes of occasions and so on.

They are carefully designed to ensure the handling of the device by

visitors who are visually impaired, making the device easy to use.

The large, tactile buttons, make AT-100 easy to be operated by people with

hearing impairment. With additional headphone

output, it can play a range of music and speech in several languages

simultaneously.

The ATC-110 is a 10-slot charger which is installed with 2 AA

batteries in succession.

The ATC-110U is a 10-slot charger with USB Download software

for all sizes.



ATC-110
10-slot Audio Guide Charger

ATC-110U
10-slot Audio Guide Charger with USB Download



AT-100
Audio Guide Player

EJ-7R/EJ-7LT/EJ-770T

WIRELESS LANGUAGE INTERPRETATION SYSTEM

International Conventions / Corporate Training Occasions / Historical Sp

In order to meet international market demands for reliable and professional tour guide system, OKAYO now introduces our latest UHF PLL language interpretation system which provides each person with complete involvement.

Enhanced functions, including up to 96-channel selection, ergonomic & metal case design, mute button and sensitivity set-up, are highly valuable to all users. Especially, people can always overcome difficulties of background noises and long-distance persecution when conducting group activities outside. OKAYO wireless audio products provide the clarity while people hear subtle expressions of tone and inflection.

System Features:

- UHF 740 ~ 865 MHz, PLL synthesized with up 16 or 96 selectable frequencies. Artistic & metal case design.
- LCD display showing selected channel, frequency, battery condition, and error code.
- Simplified set-up and no installation.
- Over 80-meter transmission distance.
- Professional application with adjustable Hi / Mid / Low sensitivity.
- **EJ-7LT** transmitter, with Mic. input and Aux. input, provides you with free link to diverse audio sources.
- **EJ-7R** receiver. featured with Aux. output, available for connecting amplifier or active speaker to be a wireless receiver system.
- The **EJ-7** series featuring rechargeable function with various-slot chargers, including **HDC-707**, **HDC-736** and **HDC-750**.

Application Occasions:

- Guided tours in museums, galleries, exhibitions and trade shows.
- International multilingual presentations and meetings.
- Presentations of services and products.
- Guided tours in factories with high noise level.
- Auditory assistance for the hearing impaired.

EJ-701TS Handheld Microphone

Artistic & streamlined housing with LCD display showing 16 or 96 selectable frequencies. Professional application with adjustable Hi/ Low/ Mute sensitivity.



EJ-7R
Bodypack Receiver

EJ-7LT
Bodypack Transmitter

EM
ots

Optional Transmitters

AB-771T UHF Wide Band Antenna Power Amplifier

1W power output ensuring high efficiency and long reception range when applied with EJ-770T / EJ-880T stationary transmitter in large places, conferences and outdoor occasions.



HDC-750 50-slot Charger Drawer Case



EJ-770T Stationary Transmitter

LCD display showing 16 or 96 selectable frequencies. RCA and XLR-MIC-IN audio inputs and monitored headphone output with dedicated volume control make this unit able to meet high demand in language-interpretating occasions.



HDC-707 Dual-slot Charger



HDC-736 36-slot Charger Carry Case

MAIN SPECIFICATIONS

AT-100 Audio Guide Player

Audio parameters	
Audio format	High quality MP3 audio compression
Bandwidth	50Hz ~ 18 kHz
Dynamic range	95 dB
Distortion	Below 0.1%
Speaker	built-in 0.2 W @ 8 Ω
Audio output	3.5mm earphone jack 2 (stereo)
General parameters	
Recording time capacity (256MB)	up 236 minutes(stereo) and 512 minutes(monot) @ 44.1kHz sampling, 128 kbps bit-rate
Number of language / version	32 (max.)
Number of messages	950 (max.)
Storage support	SD card memory
SD Card Capacity	128MB / 256MB / 512MB / 1GB / 2GB
File format	FAT-12 / FAT-16 / FAT-32
Data transfer	faster transfers via USB to SD card
Buttons (Keypad)	12 (power on, 0 ~ 9, play/stop; volume +/- with 9/7; pause with 0)
Indicators	power on / stable green LED, Playing / flash green LED, Battery-low / red LED
Operating temperature	-10 ~ 50 °C
Battery	1.2 V (Ni-MH.1300 mAh) x 2pcs AA type rechargeable batteries 1.5 V 2pcs AA Alkaline disposable
Battery life Ni-MH. rechargeable	10 hours typical
Battery life Alkaline disposable	16 hours typical
Standby current	less than 10 μ A
Current consumption	approx. 110 mA
Dimensions	D 28 x W 59 x H 235 mm
Weight with battery	180 g

ATC-110 10-slot Audio Guide Charger

Number of charging compartments	10 set
Power requirement	100 ~ 240VAC, 12 VDC, 3 A switching adaptor
Indicator lights LED	ON-battery charging (orange), OK-battery ready (green)
Flash LED	battery error (orange)
Charging Current (one slot)	300 ~ 350 mA
Charging time	4 ~ 5 hours
Charging control	PWM control, -Δ V and timer power-off detector, one-time battery detector
Dimensions	D 11 x W 55 x H 9.5 cm
Weight	2.5 kg

ATC-110U 10-slot Audio Guide Charger with USB Download

Number of charging compartments	10 set
Power requirement	100 ~ 240VAC, 12 VDC, 3 A switching adaptor
Indicator lights LED	ON-battery charging (orange), OK-battery ready (green)
Flash LED	battery error (orange)
USB Indicator LED	LINK- data ok (green), ERR- data error (red)
Charging Current	300 ~ 350 mA
Charging time	4 ~ 5 hours
Charging control	PWM control, -Δ V and timer power-off detector, one-time battery detector
Support OS	Windows 2000 / ME / XP etc.
Download interface	USB 1.1 / 2.0
Download speed	136 Kbps @ 100MB
Dimensions	D 11 x W 55 x H 9.5 cm
Weight	2.6 kg

EJ-7LT / EJ-7XT Bodypack Transmitter

Mike	condenser Mic.
Antenna	flexible antenna
RF output	10 mW
Spurious emission	less than 250 nW
Audio input	Mic in, Aux in
Input jack	screw-type (EJ-7LT), mini-XLR (EJ-7XT)
AF controls	Mute switch, Hi / Mid / Low switch
Battery	1.2 V (Ni-MH.1600 mAh) x 2 AA type rechargeable battery 1.5 V x 2 AA Alkaline disposable
Battery life Ni-MH. rechargeable	11 hours typical
Battery life Alkaline disposable	14 hours typical
Housing	aluminium
Dimensions	D 26 x W 64 x H 88 mm
Weight with battery	170 g

EJ-701TS / EJ-701TM Handheld Microphone

Mike	dynamic capsule (EJ-701TS) or cardioid condenser capsule (EJ-701TM)
Antenna	built-in
RF output	10 mW
Spurious emission	less than 250 nW
AF control	Hi / Low / Mute switch
Battery	1.2 V (Ni-MH.1600 mAh) x 2 AA type rechargeable battery 1.5 V x 2 AA Alkaline disposable
Battery life Ni-MH. rechargeable	11 hours typical
Battery life Alkaline disposable	14 hours typical
Dimensions	Dia 46 x L 264 (mm)
Weight with battery	280 g

EJ-7LT / EJ-7R / EJ-770T

Wireless Language Interpretation System

Key Specifications / Overall System	
Oscillation type	PLL synthesized control OSC
Carrier frequency range	group① 740 ~ 752 MHz (96 ch.) group② 794 ~ 806 MHz (96 ch.) group③ 863 ~ 865 MHz (16 ch.)
Adjustable frequency	pre-programmed max. 96 switchable channels
Display status	LCD indicator displays channel or frequency and battery (EJ-7R / 7LT)
Channel select	SET, UP, DOWN key
Switching bandwidth	max. 12 MHz
Ambient temperature	-10 °C ~ 50 °C
Maximum deviation	80 kHz, with level limiting
Dynamic range	110 dB
T.H.D.	less than 0.5 %
Pre/De- emphasis	50 μs
Squelch	tone key and noise lock dual-squelch
Frequency response	70 Hz ~ 16 kHz @ AUX
Operating range	60 ~ 100 M (opening field)

EJ-7R Bodypack Receiver

Receiving mode	PLL single-channel receiving
Sensitivity	2 μV @ 20 dB SINAD
RF spurious rejection	60 dB
Adjacent channel performance	60 dB
IMD rejection	55 dB
Double intermediate	243.95 MHz / 10.7 MHz
AUX output	700 mV / 300 mV / 100 mV @ 1 kΩ with Hi/ Mid/ Low switch
Audio level	750 mV
Earphone connector	3.5 mm jack socket, for mono or stereo
Battery	1.2 V (Ni-MH.1600 mAh) x 2 AA type rechargeable batteries 1.5 V x 2 AA Alkaline disposable
Battery life Ni-MH. Rechargeable	14 hours typical
Battery life Alkaline disposable	19 hours typical
Dimensions	D 26 x W 64 x H 98 mm
Weight with battery	175 g

AB-771T UHF Wide Band Antenna Power Amplifier

Carrier frequency range	740 ~ 865 MHz
Antenna connector	TNC female
OIP3	+40 dBm
Gain	+12 dB
Output max power	+30 dBm (1 W)
Impedance	50Ω
Power requirements	115 V or 230 V AC adaptor 12 V DC, 500mA
Dimensions	D 205 x W 215 x H 44 mm
Weight	1.2 kg

EJ-770T Stationary Transmitter

RF output	10 mW or 30 mW (according to regulation)
Spurious emission	less than 250 nW
Antenna	TNC connector swivel antenna
Audio inputs	6.3 Ø-Mic in, XLR-Mic in, RCA-Aux in
Audio output	6.3 Ø jack plug for stereo earphone
Controls volume	earphone, wireless, Aux, Mic
Controls TX-switch	Aux-TX, Mic-TX
Power requirements	100 ~ 240 VAC / 12 VDC, 1A switching power supply
DC output	12 VDC, 500 mA
Dimensions	D 205 x W 215 x H 44 mm
Weight	1.25 kg

HDC-736 36-slot Charger Carry Case

HDC-750 50-slot Charger Drawer Case

Number of charging compartments	36 (HDC-736) / 50 (HDC-750)(receiver or transmitter)
Power requirement	100 ~ 240 V AC switching adaptor 12 V DC, 7A (HDC-736) 100 ~ 240 V AC switching adaptor 12 V DC, 12.5A (HDC-750)
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, -Δ V and timer power-off detector, one-time battery detector
Dimensions	D 370 x W 870 x H 205 mm (HDC-736) D 813 x W 626 x H 180 mm (HDC-750)
Weight	9.6 kg (HDC-736) / 36 kg (HDC-750)

HDC-707 / 808 / 809 Dual Charger

HDC-36 36-slot Charger Carry Case

HDC-50 50-slot Charger Drawer Case

Charging time (Ni-MH. 1300 mAh)	3 ~ 4 hours (HDC-707/808/809) 4 ~ 5 hours (HDC-36/HDC-50)
Dimensions	D 106 x W 84 x H 74 mm (HDC-707/808/809) D 370 x W 870 x H 205 mm (HDC-36) D 813 x W 626 x H 180 mm (HDC-50)
Weight	1.6 kg (HDC-707/808/809) 9.6 kg (HDC-36) 36 kg (HDC-50)

WT-808T/R Key Specifications / Overall system

Oscillation Type	PLL synthesized control OSC
Carrier frequency range	UHF 740 ~ 865 MHz (according to regulation)
Adjustable frequencies	pre-programmed 16 switchable frequencies
Switching bandwidth	max. 12 MHz
Ambient temperature	-10 °C ~ 50 °C
Maximum deviation	30 kHz, with level limiting
Companer system	compander and ALC
Dynamic range	> 80 dB
T.H.D.	less than 2 %
Pre/De- emphasis	50 μ s
Squelch	tone key and noise lock dual-squelch
AF Frequency response	100 Hz ~ 12 kHz @ AUX
AF Level Sensitivity	adjustable
Antenna	Built-in loop antenna
Battery	1.2 V (Ni-MH. 1300 mAh) x 2 AA rechargeable battery 1.5 V x 2 AA Alkaline disposable
DCIN	5V (with 2.5 mm jack)
Operating range	50 ~ 80 M (opening field)

WT-808T Backpack Transmitter

Mike	condenser Mic.
RF output	10 mW (according to regulation)
Spurious emission	less than 250 nW
AUX IN	-10 dBV @ 1 K Ω
Battery life Ni-HM. Rechargeable	17 hours typical
Battery life Alkaline disposable	24 hours typical
Dimensions	D 98 x W 66 x H 27 mm
Weight	80 g less battery

WT-808R Backpack Receiver

Receiving mode	PLL single-channel receiving
Sensitivity	2 μ V @ 20 dB SINAD
RF spurious rejection	60 dB
Adjacent channel performance	60 dB
IMD rejection	55 dB
Double intermediate	130.06 MHz / 10.7 MHz
AUX output	300 mV @ 1k Ω
Audio level	0 dBv
Earphone connector	3.5 mm jack socket, for mono or stereo
Earphone tube	with ET-120 tube line
Built in speaker	0.2W @ 8 Ω
Battery life Ni-HM. Rechargeable	14 hours typical
Battery life Alkaline disposable	21 hours typical
Dimensions	D 98 x W 66 x H 27 mm
Weight	98 g less battery

EJ-880T Stationary Transmitter

RF output	10 ~ 50 mW (according to regulation)
Antenna	TNC connector helical antenna
Audio Inputs	6.35 mm jack plug, bal. 3-pin XLR, RCA jack
Audio outputs	6.35 mm and 3.5 mm Jack plug for stereo earphone
Output level	0 dBv
Audio metering	5-LED string
Power requirements	115 V / 230 V AC adaptor 12 V DC, 500mA
Dimensions	D 215 x W 220 x H 44 mm
Weight	1.2 kg

■ FREQUENCY : 1. 740 ~ 752 MHz, 2. 794 ~ 806 MHz, 3. 863 ~ 865 MHz

ACCESSORIES



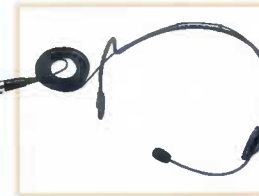
■ **LM-90S**
Lapel Microphone
(Cardioid)(FOR EJ-7LT)



■ **HM-50S**
Headset Microphone
(FOR EJ-7LT)



■ **LM-90C**
Lapel Microphone
(Cardioid)(FOR EJ-7XT)



■ **HM-50C**
Headset Microphone
(FOR EJ-7XT)



■ **HM-60C**
Headset Microphone
(FOR EJ-7XT)



■ **LM-300A**
Lapel Microphone
(Cardioid)(FOR WT-808T)



■ **KM-5LTA**
Lapel Microphone
(Omini-directional)
(FOR WT-808T)



■ **HM-20A**
Headset Microphone
(Uni-directional)
(FOR WT-808T)



■ **CM-100A**
Collar Microphone
(Uni-directional)
(FOR WT-808T)



■ **ET-120**
Earbud Tube
(FOR WT-808T/R)



■ **EM-101**
Single-sided Earphone



■ **EM-305**
Single-sided Earphone



■ **N-40**
Neck Cord



■ **L-707/808**
Leather Holster
(FOR EJ-7R/T / WT-808T/R)



■ **E-480**
Earphone Holster
(FOR EJ-7R)



Sound & Communication

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