

Guiding System



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Tour Guide \\\\ \\\
page 01-10

Audio Guide \\\ \\\ \\\
page 11-16

Accessories \\\ \\\
page 17

Specifications \\\ \\\ \\\ \\\ \\\ \\\
page 18-21

Tour Guide

WT-300 / EJ-5 / WT-808 / EJ-7 /
DGT-2400 / Chargers



outdoor



cultural sites



city tour



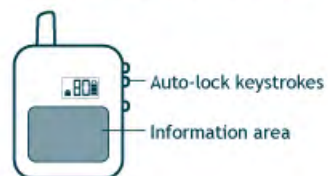
channel

A cost effective way to facilitate your tour with up to 80 available channels!



Economical Group Tour System WT-300

OKAYO WT-300 series provides you various channel options that are suitable for tour guides. The external antenna makes up to 100-meter transmission range possible. Our auto-lock function will reduce accidental and problematic keystroke thumbling. The customizable area for different logos and/or lettermark application is an ideal feature for self promotion and corporate sponsorship.



indoor



museum



training



interpretation

Making the tour a truly pleasurable experience!

Compact Group Tour System EJ-5

With a weight of only 75g and built with a low-profile configuration, OKAYO EJ-5 series allows users to move freely and with complete flexibility. Specific noise-lock technology ensures clear and non-interference communication. Fully charged receivers and transmitters can be operated up to 20 hours with only 3-4-hour charging time. Incorporated with OKAYO portable amplifiers, the EJ-5 wireless system is perfect for schools and education centers where simple interaction between lecturers/teachers and students is needed. Available with preset push-to-talk switch. Additional channel uniformization function can facilitate lecture and provide additional teacher assistance.



Built-in Lithium Battery

Push-to-Talk



indoor



museum



exhibition



training

Enjoy your tour without restraint and interference!



Museum Tour Guide System WT-808

As a result of specific noise-lock technology, **okayo** WT-808 series optimizes sound delivery. Built-in condenser microphone makes tour guides hands-free for introducing exhibits or scenic areas and monuments. A 3.5 mm audio jack that connects to CD players, mp3, mobile phones or iPods amplifies the application. It is available with adjustable volume control which enables group members to hear or speak at comfortable levels.



conference



exhibition



interpretation

Presentation that impresses each time!

Simultaneous EJ-7 Interpretation System

Robust aluminium made housing makes **okayo** EJ-7 series look professional and solid. Various supportive features, such as external antenna, backlit LCD screen, and XLR connector (optional), enhance its performance and make this a very reliable tool. To ensure that information is delivered clearly each time, this device comes with adjustable sensitivity switches on transmitters and incorporates volume controls on receivers. Combined with an in-ear monitoring system (EJ-770T), simultaneous language interpretation during meetings becomes much easier.





channel



digital



outdoor



city tour

Tour optimization in high season!

Digital DGT-2400 Tour Guide System

Up to 256 channels in license-free bandwidth between 2.404GHz and 2.472GHz available. It is very easy for groups to familiarize themselves with all optional functions through its user-friendly interfaces. Battery icon on LCD screen signals battery status and provides on-time supplement reminder that allows for a continuous and motivating tour experience. Antennas are built in as to leave tour guides' hands free to demonstrate modern exhibits or historic monuments without interruption. Available volume adjustment helps visitors adjust sound to a personalized and more comfortable level. Perfect auditory assistance for the hearing impaired.



1-Channel EJ-770T Stationary Transmitter

- Clear and backlit LCD readout.
- In-ear monitoring available.
- Optional RCA audio inputs and XLR microphone input.
- Preset selectable 16-96 frequencies in different spectrum.



4-Channel EJ-774T Stationary Transmitter

- Clear and backlit LCD readout.
- To be quipped with RCA audio input.
- 4 channels can be transmitted simultaneously.
- Optional in-ear monitoring for individual channel.
- Preset selectable 16-96 frequencies in different spectrum.





vessel



train



bus



GPS

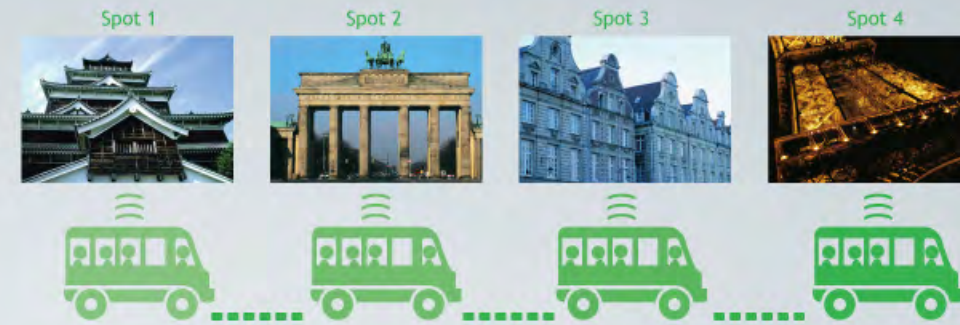


16
language

Border-free tours!

Automated MTS-200 Transmission System

- ▶ 16 languages in transmission concurrently.
- ▶ 100+ meters coverage.
- ▶ Individual monitoring for each language.
- ▶ Voice override and broadcast.
- ▶ Support GPS solution (optional).
- ▶ Easy management - all in one case.



A maximum of 16 languages (audio contents) can be played simultaneously. With **okayo** MTS-200 audio player, organizers can easily plan tour routes, either through specific **okayo** software or alternative GPS positioning solutions. Everything comes neatly packed in a flight case for mobility and quick installation. Operating with a plate antenna, DPA-10 or DPA-12, transmission range can exceed 100 meters. In-ear monitoring controls audio commentaries in a more efficient way. All **okayo** tour guide systems, such as WT-300, WT-808, EJ-5, and EJ-7, are compatible with each other.



Chargers

12-slot



36-slot



50-slot



fixed for more

HDC-520
specially for EJ-5



HDC-530
specially for EJ-5



Audio Guide

AT-100 / AT-200



self-tour



language



museum



exhibition

Enjoy a tour by yourself!

Handheld Guide AT-100

Robust housing makes for comfortable handling. Self-touring is made interesting through its explicit and easy interface. By dialing preset numbers marked beside each monument, CD-quality sound commentaries are played back. Up to 32 languages and audio contents of over 2,000 minutes are allowed to be recorded. Dual stereo earphone jacks simplify information sharing between parents and children. Being equipped with a 10-slot uploader, *okayo Audio Master* optimizes efficiency of each event. 50-slot carry case is available for easier carriage.



10-slot charger & uploader



50-slot charger



50-slot carry case



auto play museum city tour GPS

More for the lonely guide!

Automated Guide AT-200

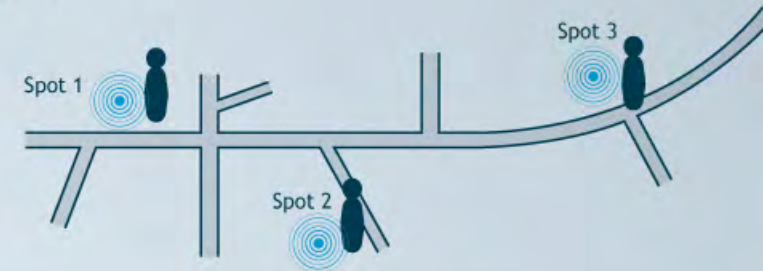
With a robust and more streamlined housing, the enhanced **okayo** AT-200 is much easier to hold and carry around. Full color OLED screen and backlit keypad allow users to read all information clearly, even in an environment without much light. User-friendly characteristics of the stereo loudspeaker offers incredible comfort for visitors. Induction loop application is ideal for the hearing impaired.

Incorporating multi-slot uploaders, our AT-200 allows exhibition staff to easily transfer data to all sub-devices. Compatible with high-resolution images and CD-quality sounds, visual and audio messages are clearly displayed and audible. Additional customized content can be edited through **okayo Audio Master**. Dedicated "i" key enhances the tour experience by useful information and descriptions about the exhibition.

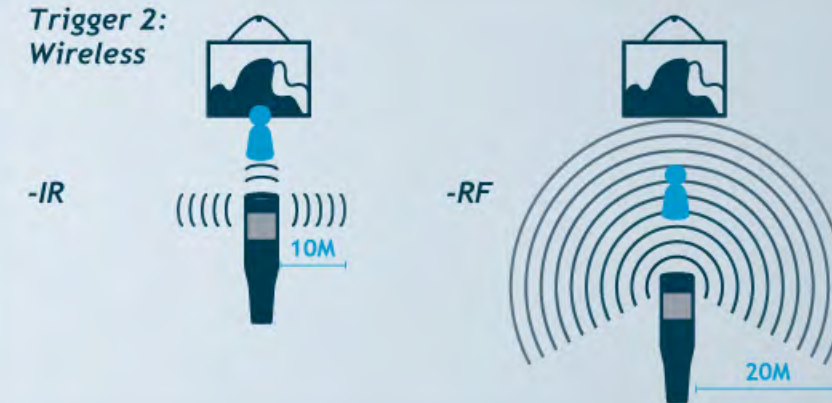
Multi-triggering feature maximizes the application. Whether it is an indoor or outdoor exhibition, staff can easily organize and prepare for the show. Operating with the entire loop system, our AT-200 series will remind visitors to return audio guides to the counter which, in turn, helps organisers run a safer and more efficient exhibition.



Trigger 1: GPS



Trigger 2: Wireless



Trigger 3: RFID



Alarm



10-slot charger
ATC-210



20-slot charger
ATC-220



21-slot uploader
ATC-221U



Accessories

Earphone
EM-101



Headphone
EM-201



Earphone
EM-305



Induction loop
NL-90



Lapel microphone
LM-70A



Lapel microphone
LM-71A



Headset microphone
HM-20A



AT-100 Carry case
AC-50



WT-300 Carry case
AC-300



N-41



L-100



L-707N



L-808



AB-771T



DPA-10



DPA-12



DA-200



AC-201



AC-401



Tour Guide System

WT-300

Oscillation type	PLL Synthesized Control OSC
Carrier frequency range	863 MHz - 865 MHz
Operating temperature	-10°C - 50°C
Power requirements	2 1.2 V 1600 mA Ni-MH batteries or 2 1.5 V Alkaline batteries
Channels	40
Frequency response	400 Hz - 5 kHz
Dynamic range	> 60 dB
T.H.D.	< 3 %
Operating range	> 60 M
Dimension (D x W x H)	31.7 x 67.7 x 92 (mm)
Weight	110 g (with batteries)

TRANSMITTER: WT-300T

RF output power	10 mW, subject to local rules
Spurious emission	< 250 nW
Antenna	Built-in
Microphone connector	3.5 mm
Modulation level	3 kHz
Battery life (Ni-MH/Alkaline)	11 hours / 13 hours typical

RECEIVER: WT-300R

Receiving mode	PLL single-channel
RF spurious rejection	> 55 dB
IMD rejection	> 55 dB
Double intermediate	21.4 MHz / 455 kHz
Audio level	550 mV
Earphone connector	3.5 mm
Battery life (Ni-MH/Alkaline)	22 hours / 24 hours typical

DGT-2400

Modulation	FSK, frequency hopping
Carrier frequency range	2.4 GHz
Operating temperature	-10°C - 50°C
Power requirements	2 1.2 V 1600 mA Ni-MH batteries or 2 1.5 V Alkaline batteries
Channels	256
Frequency response	100 Hz - 7 kHz
Dynamic range	> 80 dB
T.H.D.	< 1 %
Operating range	30 - 100 M
Dimension (D x W x H)	23 x 65 x 94 (mm)
Weight	116 g (with batteries)

TRANSMITTER: DGT-2400T

RF output power	10 mW, subject to local rules
Spurious emission	Pbw: 1 MHz/Prf1: -20 dBm/Prf2: -50 dBm
Antenna	Built-in
Microphone connector	3.5 mm
Battery life (Ni-MH/Alkaline)	8 hours at P0 mode

RECEIVER: DGT-2400R

Sensitivity	-80 dBm
Audio level	650 mV
Earphone connector	3.5 mm
Battery life (Ni-MH/Alkaline)	> 10 hours typical

EJ-5

Oscillation type	PLL Synthesized Control OSC
Carrier frequency range	640 MHz - 865 MHz
Operating temperature	-10°C - 50°C
Power requirements	Lithium 3.7 V 1200 mA battery
Channels	16 or 96
Frequency response	70 Hz - 15 kHz
Dynamic range	> 80 dB
T.H.D.	< 1 %
Operating range	> 50 M (at Hi mode)
Dimension (D x W x H)	34.2 x 52.1 x 88 (mm)
Weight	Tx: 75 g / Rx: 85 g (with battery)

TRANSMITTER: EJ-5T

RF output power	10 mW / 1 mW, subject to local rules
Spurious emission	< 250 nW
Antenna	Built-in
Microphone connector	3.5 mm
Modulation level	20 kHz
Battery life (Lithium)	15 - 20 hours typical

RECEIVER: EJ-5R

Receiving mode	PLL single-channel
RF spurious rejection	> 55 dB
IMD rejection	> 55 dB
Double intermediate	130.06 MHz / 10.7 MHz
Audio level	12 V
AUX output	300 mV
Earphone connector	3.5 mm
Battery life (Lithium)	> 20 hours

WT-808

Oscillation type	PLL Synthesized Control OSC
Carrier frequency range	640 MHz - 865 MHz
Operating temperature	-10°C - 50°C
Power requirements	2 1.2 V 1600 mA Ni-MH batteries or 2 1.5 V Alkaline batteries
Channels	16
Frequency response	200 Hz - 7 kHz
Dynamic range	> 80 dB
T.H.D.	< 2 %
Operating range	> 50 M
Dimension (D x W x H)	29 x 66 x 112 (mm)
Weight	140 g (with batteries)

TRANSMITTER: WT-808T

RF output power	10 mW, subject to local rules
Spurious emission	< 250 nW
Antenna	Built-in
Microphone connector	3.5 mm
Modulation level	9.5 kHz
Battery life (Ni-MH/Alkaline)	16 hours / 18 hours typical

RECEIVER: WT-808R

Receiving mode	PLL single-channel
RF spurious rejection	60 dB
IMD rejection	55 dB
Double intermediate	130.06 MHz / 10.7 MHz
Audio level	650 mV
AUX output	150 mV @ 1 kΩ
Earphone connector	3.5 mm
Battery life (Ni-MH/Alkaline)	21 hours / 23 hours typical

MTS-200 System

Audio format	High quality mp3 audio compression
Bandwidth	50 Hz - 18 kHz
Dynamic range	95 dB
Storage supports	SD card
File format	FAT-12 / FAT-16 / FAT-32
Input supports	Aux in (RCA), Mic in (6.5 mm)
Output ports	8 channels (RCA), Mic in (6.5 mm)
Power requirements	100 - 240 VAC / 12 VDC, 2 A switching power supply
Dimension (D x W x H)	210 x 430 x 44 (mm)
Weight	2.4 kg

AB-771T

Carrier frequency range	640 MHz - 865 MHz
Max. RF input power	17 dBm
RF output power (EU)	16±1 dBm; with EJ-774T (low power)
RF output power (NA)	< 22 dBm
Gain	10 dB
Input signal indicator threshold	> 5 dBm
In/Out impedance	50 Ω
Antenna connector	TNC female connector
Power requirements	Europe: 100 - 240 VAC switching adapter 12 VDC North America: 100 - 240 VAC switching adapter 5 VDC
Dimension (D x W x H)	205 x 215 x 44 (mm)
Weight	1.2 kg

EJ-7

Oscillation type	PLL Synthesized Control OSC
Carrier frequency range	640 MHz - 865 MHz
Operating temperature	-10°C - 50°C
Power requirements	2 1.2 V 1600 mA Ni-MH batteries or 2 1.5 V Alkaline batteries
Channels	16 or 96
Frequency response	75 Hz - 13 kHz
Dynamic range	> 110 dB
T.H.D.	< 1 %
Operating range	> 70 M
Dimension (D x W x H)	26 x 64 x 88 (mm)
Weight	170 g (with batteries)

TRANSMITTER: EJ-7T

RF output power	10 mW, subject to local rules
Spurious emission	< 250 nW
Antenna	Flexible
Microphone connector	3.5 mm
Modulation level	17 kHz
Battery life (Ni-MH/Alkaline)	8 hours / 9 hours typical

RECEIVER: EJ-7R

Receiving mode	PLL single-channel
RF spurious rejection	58 dB
IMD rejection	58 dB
Double intermediate	243.95 MHz / 10.7 MHz
Audio level	1.1 V
AUX output	400/220/72 mV @ 1 kΩ
Earphone connector	3.5 mm
Battery life (Ni-MH/Alkaline)	18 hours / 19 hours typical

EJ-774T

Carrier frequency range	640 MHz - 865 MHz
RF output	Hi: 10 dBm / Low: 4 dBm
Spurious emission	< 250 nW
Antenna	TNC connector
Audio inputs	4 (RCA)
Monitor output	> 450 mW @ 32 Ω
Earphone jack	3.5 mm, stereo
Power requirements	100 - 240 VAC / 12 VDC, 2 A switching power supply
Dimension (D x W x H)	210 x 430 x 44 (mm)
Weight	2.4 kg

EJ-770T

Carrier frequency range	640 MHz - 865 MHz
RF output	Hi: 16 dBm / Low: 10 dBm
Antenna	TNC connector
Monitor output	450 mW @ 32 Ω
Aux inputs	Mic in-6.3ø and XLR; Aux in-RCA
Earphone jack	3.5 mm, stereo
Power requirements	100 - 240 VAC / 12 VDC, 1 A switching power supply
Dimension (D x W x H)	214 x 215 x 44 (mm)
Weight	1.25 kg

Audio Guide System: AT-100

AUDIO PARAMETERS	
Audio format	High quality audio compression
Bandwidth	50 Hz - 18 kHz
Dynamic range	95 dB
Distortion	< 0.1 %
Speaker	Built-in 0.2 W @ 8 Ω
Audio output	3.5 mm earphone jack x 2 pcs (stereo)
UPLOADING SUPPORT	
Support OS	Windows 2000/ME/XP/VISTA
Computer harder	Pentium CPU, SVGA monitor, CD ROM, 40 MB free space
Interface	USB 1.1 / USB 2.0
Speed	USB 1.1: 0.64 Mbytes/sec @ 100 MB PC USB 2.0: 2.5 Mbytes/sec @ 100 MB PC
GENERAL PARAMETERS	
Recording time capacity	1,024 minutes (stereo) or 2,048 minutes (mono)
Number of languages	Max. 32
Number of messages	Max. 950 for each language
Storage support	SD card
File format	FAT-12 / FAT-16 / FAT-32
Operating temperature	-10°C - 50°C
Battery	1.2 V 1600 mA Ni-MH rechargeable batteries or 1.5 V Alkaline batteries
Battery life	Approx. 10 hours (Ni-MH) or 16 hours (Alkaline)
Dimension (D x W x H)	28 x 59 x 235 (mm)
Weight	180 g (with battery)

Audio Guide System: AT-200

AUDIO PARAMETERS	
Audio format	High quality audio compression
Bandwidth	50 Hz - 18 kHz
Dynamic range	95 dB
Distortion	< 0.1 %
Speaker	Built-in 0.5 W @ 8 Ω
Audio output	3.5 mm earphone jack x 2 pcs (stereo)
UPLOADING SUPPORT	
Support OS	Windows 2000/ME/XP/VISTA/7
Computer harder	Inter Core-i3 1.2 G, 2 GB DDR III RAM, 100 MB free space
Interface	USB 1.1 / USB 2.0
Speed	USB 2.0: 2.5 Mbytes/sec @ 100 MB PC Uploader: 5 Mbyte/sec @ ATC-221U
GENERAL PARAMETERS	
OLED display	128 x 96
Backlit keypads	0-9, Rewind, Forward, Play/Pause, Step, Volume Up, Volume Down, Information
Programming	Alaya Audio Master
Storage mode	SD card
Memory capacity	2 GB - 8 GB
Automatic triggering	IR, RF, RFID, GPS
Alarm	Anti-theft system
Number of languages	Max. 32
Number of messages	Max. 950 for each language
Operating temperature	-10°C - 50°C
Battery	1400 mAh lithium battery
Battery life	12 hours
Power consumption	Approx. 110 mA
Dimension (D x W x H)	29.6 x 55.3 x 200 (mm)
Weight	180 g (with battery)

Chargers for Audio Guide System

Model name	ATC-110	ATC-110U	ATC-150
Item	10-slot charger	10-slot charger & uploader	50-slot charger
AT-100	•	•	•
AT-200			
Power requirements	100 - 240 V / 12 VDC / 3.3 A	100 - 240 V / 12 VDC / 3.3 A	Built-in AC: 100 - 240 V; adapter: 12 VDC / 12.5 A
Dimension (D x W x H)	110 x 550 x 95 (mm)	110 x 550 x 95 (mm)	695 x 630 x 165 (mm)
Weight	2.5 kg	2.6 kg	22 kg

Model name	ATC-210	ATC-220	ATC-221U
Item	10-slot charger	20-slot charger	21-slot uploader
AT-100			
AT-200	•	•	•
Power requirements	100 - 240 V / 5 VDC / 5 A	100 - 240 V / 5 VDC / 12 A	100 - 240 V / 12 VDC / 5 A
Dimension (D x W x H)	230 x 480 x 90 (mm)	230 x 480 x 180 (mm)	280 x 400 x 150 (mm)
Weight	3.3 kg	5.5 kg	5.3 kg

* All specifications are subject to change.