

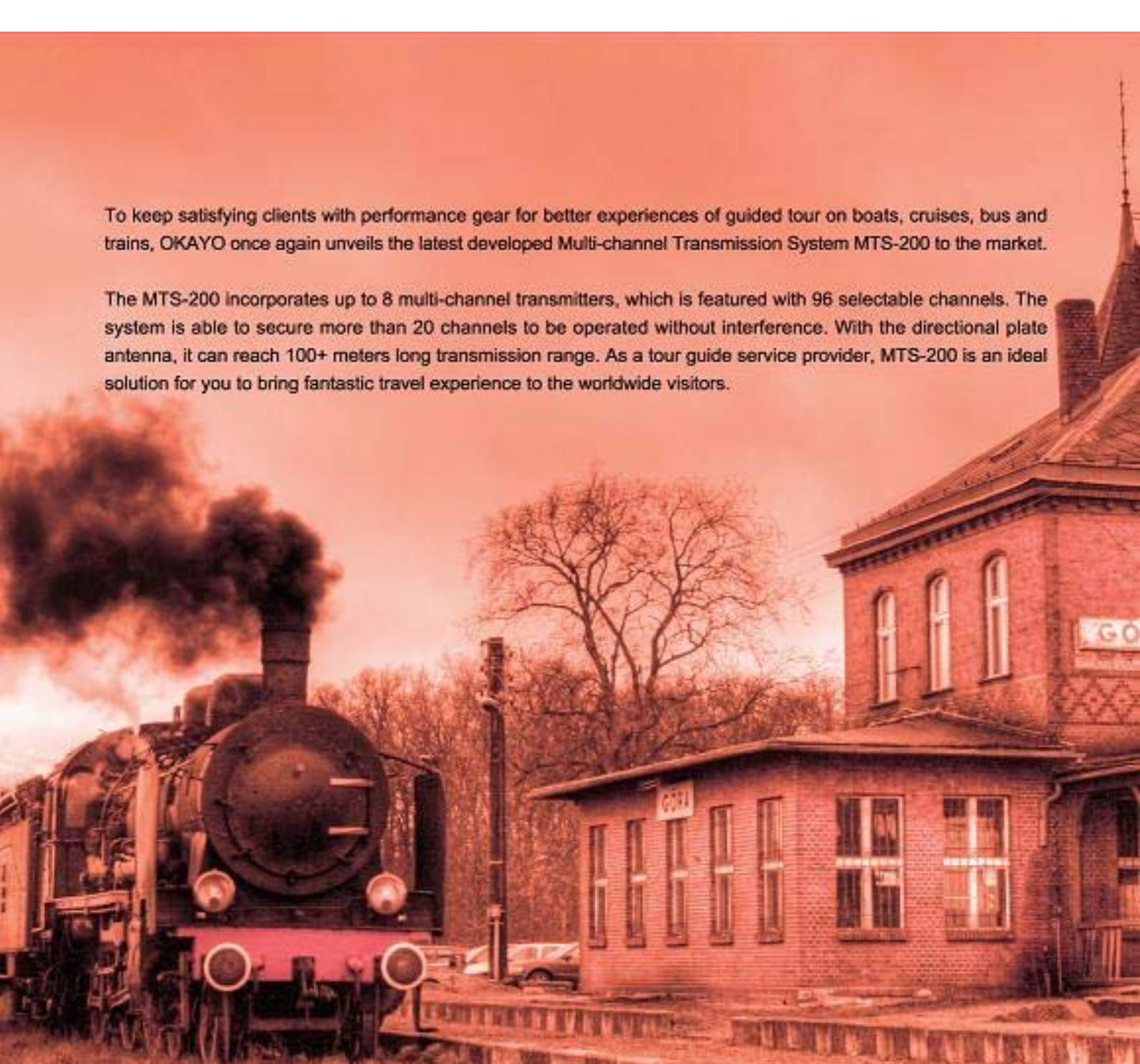
# MTS-200

Multi-channel Transmission System  
Multi-tour Guide System



**EKAYE**  
Sound & Communication





To keep satisfying clients with performance gear for better experiences of guided tour on boats, cruises, bus and trains, OKAYO once again unveils the latest developed Multi-channel Transmission System MTS-200 to the market.

The MTS-200 incorporates up to 8 multi-channel transmitters, which is featured with 96 selectable channels. The system is able to secure more than 20 channels to be operated without interference. With the directional plate antenna, it can reach 100+ meters long transmission range. As a tour guide service provider, MTS-200 is an ideal solution for you to bring fantastic travel experience to the worldwide visitors.

## MTS System Package

- Antenna or directional plate antenna DPA-10
- Antenna combiner 2 to 1
- Rack-mounted transmitter EJ-774T x 2
- Multi-channel audio player MTS-200
- Antenna amplifier AB-771T (optional)
- GPS receiver GPS-200R (optional)

## System Features

- UHF band 640~865MHz
- 20+ channels operated concurrently without interference
- 50+ meters long transmission range
- 8 channels in transmission; up to 12 channels maximum
- Antenna amplifier (optional) available for wider transmission range
- Collection in one flight case, easy installation and highly mobile
- Repeatable audio sound tracks for cycle tours
- GPS solution (optional) for automatic guided tour





- System dimensions (D x W x H): 54 x 53 x 22 (cm)
- System weight: approx. 25 Kg



DPA-10  
Directional plate antenna



DA-200  
Dipole antenna

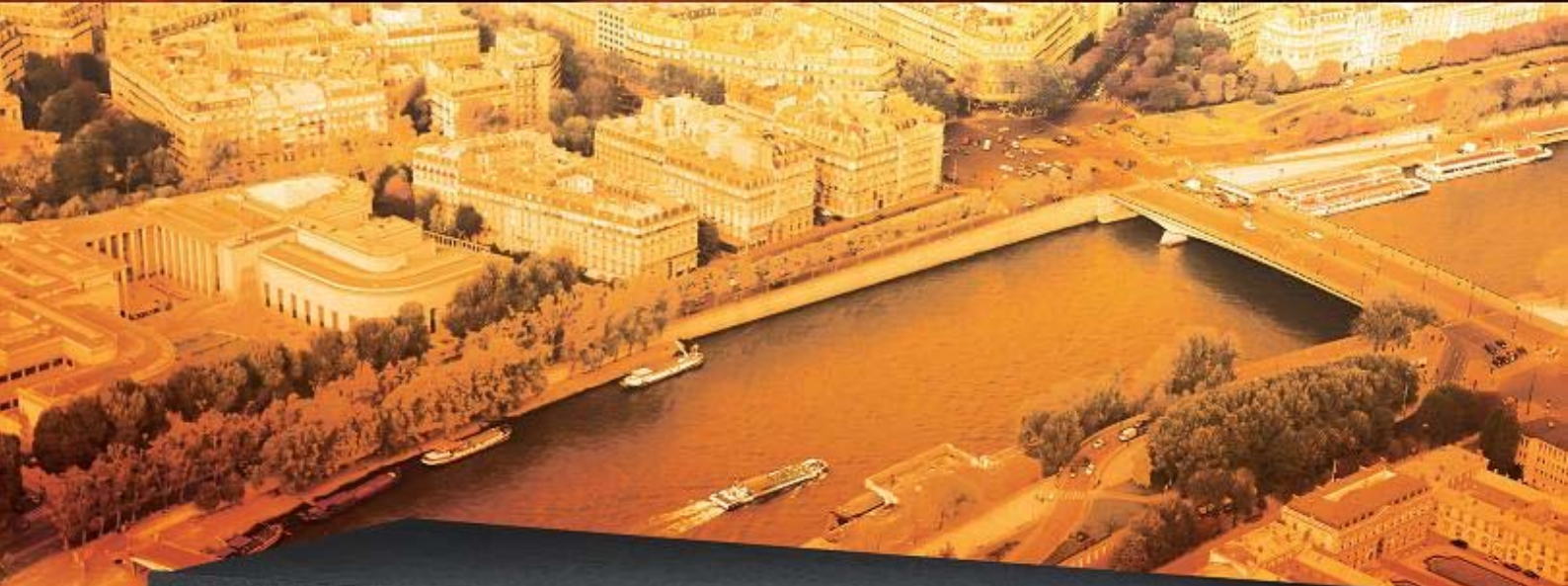


AC-201  
Antenna combiner (2 to 1)



RM-200  
MTS remote control





# MTS-200 8-CHANNEL AUDIO PLAYER

This audio player is specially designed as a total solution for the most guided tours. It offers different applications for the organizers who are fighting with budget tour, but are able to give unique travel experience to worldwide tourists.

## FEATURES

- Wireless tour, GPS tour, Audio tour—all for one
- Remote keyboard available
- Condenser / Dynamic microphone switch
- Optional GPS solution
- Backlit buttons provide good visual operation
- Voice priority and Broadcast for urgent announcement
- CALL (1 to 8) button gives quick move to desired channels
- Audio uploading software offered a programmable and repeatable sound track for cycle tours



# OKAYO MTS-200 MULTI-TOUR PLAYER



## GPS Receiver (optional)

MTS-200 allows advance upgrade with a GPS receiver, which includes a SD card with position data written inside. Giving wide application for guided tour planner.

## Programmable Message Software

The software is featured with comprehensive operation and user-friendly interference. A tour guide planner can upload programmed audio messages to MTS-200 which can send out messages in a wireless way. The most budget way for cycle tours.



## Specifications

Model	<b>MTS-200</b>
Audio format	High quality mp3 audio compression
Bandwidth	50 ~ 18 kHz
Dynamic range	95 dB
Storage supports	SD card memory (max. 8GB)
File format	FAT-12 / FAT-16 / FAT-32
Upload transfer	upload programmed messages to audio player via USB port, from computer
Buttons	8 on/off mp3 player, stop, last track, next track, play/pause, all play, VP key, BC key, 9-16 key
LED indicators	8 on/off mp3 player, stop, last track, next track, play/pause, all play, VP LED, BC LED, 9-16 LED
Switch	power on/off, Ch. rotary, dynamic/condenser, voice priority, broadcast
GPS (optional)	SD card with positioning data written in
Volume	monitor, microphone input
Input ports	Aux in (RCA), Mic in (6.5mm)
Output ports	8-ch (RCA), Earphone (3.5mm, stereo)
Power Requirements	100~240VAC / 12VDC, 2 A; switching power
Dimensions (DxWxH)	210 x 430 x 44 (mm)
Weight	2.4 Kg



# EJ-774T 4-CHANNEL TRANSMITTER

The EJ-774T is a stationary transmitter with 4 plug-in transmitter modules built-in. It carries frequency band on 640-865MHz and offers up to 96 channels to select. An ideal transmission devices used for multi-language interpretation or group guided tour.



## Specifications

Model	EJ-774T
Carrier Frequency	640 ~ 865MHz
RF output	10 dBm (combiner 4 to 1)
Spurious Emission	< 250 nW
Antenna	TNC connector
Audio Inputs	4 (RCA)
Monitor output	> 50 mW
Earphone jack	6.3mm, stereo
Monitor channel	4 segments
Power Requirements	100~240VAC / 12VDC, 2 A; switching power
Dimensions (DxWxH)	210 x 430 x 44 (mm)
Weight	2.4 Kg



## Optional Receivers



**EJ-7R**  
16/96-ch Receiver



**WT-808R**  
16-ch Receiver

## Optional Chargers



**HDC-36 / HDC-736**  
36-slot Charger Carry Case



**HDC-50 / HDC-750**  
50-slot Charger Drawer Case

## Charger Specifications

Charger Type	HDC-36 / HDC-736	HDC-50 / HDC-750
Number of charging compartments	36	50
Power requirement	100 ~ 240 VAC switching adaptor 12 VDC, 7A	100 ~ 240 VAC switching adaptor 12 VDC, 12.5 A
Indicator lights LED orange	battery charging	
LED green	battery ready	
Charging current	300 ~ 350 mA	
Charging time-by using Ni-MH, 1,600 mAh	5-6 hours	
Charging control	PWM control, -ΔV and timer power-off detector, one-time battery detector	
Dimensions (D x W x H)	370 x 870 x 205 (mm)	830 x 626 x 250 (mm)
Weight	9.6 kg	36 kg

\* Specifications are subject to change without notification in advance.





## Receiver Specifications

Receiver Type	EJ-7R	WT-808R
Receiving mode	PLL single-channel receiving	
Sensitivity	2 $\mu$ V @ 20 dB SINAD	
RF spurious rejection	58 dB	60 dB
Adjacent channel performance	58 dB	60 dB
IMD rejection	58 dB	55 dB
Double intermediate	243.95 MHz / 10.7 MHz	130.06 MHz / 10.7 MHz
Aux output	560 mV / 300 mV / 100 mV @ 1 k $\Omega$ with Hi / Mid / Low switch	300 mV @ 1k $\Omega$
Audio level	1.5 V	1 V
Earphone connector	3.5 mm jack socket, for mono or stereo	
Battery	AA 1.2 V (Ni-MH 1600 mAh) x 2	AA 1.2 V (Ni-MH 1300 mAh) x 2
	AA 1.5 V Alkaline x 2	
Battery life Ni-MH, Rechargeable	14 hours (typical)	14 hours (typical)
Battery life Alkaline disposable	17 hours (typical)	21 hours (typical)
Dimensions (D x W x H)	26 x 64 x 98 (mm)	27 x 66 x 98 (mm)
Weight	130 g (without batteries)	98 g (without batteries)

## AB-771T UHF Wideband Antenna Power Amplifier

Carrier frequency range	: 640 – 865 MHz
Antenna connector	: TNC female connector
OIP3	: +40 dBm
Gain	: +12 dB
Output max power	: +27 dBm (500 mW)
Impedance	: 50 $\Omega$
Power requirements	: 100 – 240 V AC switching adaptor 12 V DC, 1A
Dimensions	: D 205 x W 215 x H 44 mm
Weight	: 1.2 kg



AB-771T

## Accessories



**DPA-10**  
Directional plate antenna



**DA-200**  
Dipole antenna



**AC-401**  
Antenna combiner  
(4 to 1)



**RM-200**  
MTS remote control



**GPS-200R**  
GPS receiver, positioning data included

**OKAYO**  
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