

CH.96

Key Specification/Overall System

Oscillation type : PLL synthesized control OSC
 Carrier frequency range : group (1). 640 ~ 664 MHz (96 ch.)
 group (2). 740 ~ 752 MHz (96 ch.)
 group (3). 794 ~ 806 MHz (96 ch.)
 group (4). 863 ~ 865 MHz (16 ch.)
 Adjustable frequencies : Pre-programmed max. 96 switchable channels
 Display status : LCD indicator displays channel or frequency and battery
 Controls : set, up, down, volume
 Switching bandwidth : Max. 24 MHz
 Ambient temperature : -10 °C ~ 50 °C
 Maximum deviation : 80 kHz, with level limiting
 Dynamic range : 110 dB
 T.H.D. : < 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 (open field)

EJ-7R Bodypack Receiver

Receiving mode : PLL single-channel receiving
 Sensitivity : 2 µV @ 20 dB SINAD
 RF spurious rejection : 58 dB
 Adjacent channel performance : 58 dB
 IMD rejection : 58 dB
 Double intermediate : 243.95 MHz / 10.7 MHz
 Aux output : 560 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 : 17 hours typical
 Dimensions : D 26 x W 64 x H 98 mm
 Weight : 175 g (with 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 Ω
 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

Key Specifications / Transmitters : EJ-7T / EJ-7XT / EJ-701TS / EJ-701TM / EJ-770T

Product Type	EJ-7XT / EJ-7T Bodypack Transmitter	EJ-701TS / EJ-701TM Handheld Mic	EJ-770T Stationary Transmitter
Mike	condenser	dynamic capsule (EJ-701TS) cardioid condenser capsule (EJ-701TM)	—
Antenna	flexible antenna	built in	TNC connector swivel antenna
RF output power	10 mW		10-30 mW (according to regulation)
Spurious emission	< 250 nW		
Audio inputs	Mic in. Aux in	—	6.3Ø-Mic in, XLR-Mic in, RCA-Aux in
AF / Volume controls	Mute switch, Hi / Mid / Low switch	Hi / Low / Mute switch	earphone, wireless, Aux, Mic / Aux-TX, Mic-TX on-off
Input jack	Mini-XLR (EJ-7XT) 3.5 mm phone jack (EJ-7T)	—	—
Power requirement	1.2 V (Ni-MH 1600 mAh) x 2 AA rechargeable batteries; 1.5 V x 2 AA Alkaline disposable		100 ~ 240 V AC / 12 V DC, 1A switching power adaptor
Battery life Ni-MH. rechargeable	11 hours typical		—
Battery life alkaline disposable	14 hours typical		—
Housing	aluminum	plastic	metal
Dimensions	D 26 x W 64 x H 88 mm	D 46 x L 264 mm	D 205 x W 215 x H 44 mm
Weight	170 g (with batteries)	280 g (with batteries)	1.25 kg

* All specifications are subject to change without any notice.



Sound & Communication

E-J ELECTRONICS CO., LTD.

4F., NO.11, Lane 125, Sec. 1, Kuo Kwang Road, Ta-Li City, Taichung Hsien, Taiwan.

Tel: +886-4-2407-1617 Fax: +886-4-2407-1609

E-mail: okayo@okayo.com www.okayo.com



TG-7-1

EJ-7R/EJ-7T

UHF PLL WIRELESS SIMULTANEOUS LANGUAGE INTERPRETATION /
 WIRELESS TOUR GUIDE / IN EAR MONITOR SYSTEM



Sound & Communication

E-J ELECTRONICS CO., LTD.

UHF PLL WIRELESS SIMULTANEOUS LANGUAGE INTERPRETATION / WIRELESS TOUR GUIDE / IN EAR MONITOR SYSTEM

Enhanced more functions, **OKAYO** now introduces our latest UHF PLL language interpretation system, including up to 96-channel selection, ergonomic shape aluminum case design, mute button and sensitivity setup, LCD channel display, are highly valuable to all users.

Especially, people can always overcome difficulties of background noises and long-distance persecution when conducting groupactivities outside. **OKAYO** wireless audio products provide the clarity to hear subtle expressions of tone and inflection.



EJ-7R
Bodypack Receiver



System Features

- UHF 640 ~ 865 MHz, PLL synthesized with up to 16 or 96 selectable frequencies, multi-channel / multi-purpose application.
- Firm and artistic aluminum case design.
- With LCD channel display to show the selected channel by up and down button, frequency, battery condition, and error code.
- Portable, wireless listening, easy to set up and use. No installation is required. Allows an unlimited number of additional receivers to be used with one transmitter depending on the environment.
- Operating range over distance 80-100 meter transmission (open field) without interference or disturbance. Matching with EJ-770T to reach operating range over than 100 meters.
- Professional application with adjustable Hi/ Mid/ Low sensitivity for handheld transmitter EJ-701TS/EJ-701TM.
- EJ-7T/ EJ-7XT transmitter incorporates MIC. Input and AUX. input allowing audio sources from a CD or MP3 player.
- EJ-7R receiver, featured with Aux. Output is available for connecting amplifier or active speaker to be a wireless receiver system.
- Incorporated with rechargeable function design, matching with our various slot chargers are HDC-702, HDC-707, HDC-712, HDC-736 and HDC-750.

3.5mm jack



EJ-7T
Bodypack Transmitter

XLR jack



EJ-7XT
Bodypack Transmitter

Matching Accessories

PART NO.	DESCRIPTION	EJ-7T - 3.5 mm jack	EJ-7XT - XLR jack	EJ-7R - 3.5 mm jack
EM-101	Earphone			●
EM-305	Earphone			●
LM-71A	Lapel Microphone	●		
LM-90A	Lapel Microphone (Cardioid)	●		
HM-90C	Lapel Microphone (Cardioid)		●	
HM-20A	Headset Microphone	●		
HM-50C	Headset Microphone		●	
L-707N	Nylon Holster	●	●	●



Simultaneous Language Interpretation Equipment for

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

Optional Transmitters



EJ-701TM
condenser capsule

EJ-701TS
dynamic capsule

HI / LOW / MUTE

EJ-701TM / EJ-701TS Handheld Microphone
Artistic streamlined housing with LCD channel display, with 16 or 96 selectable frequencies.

Color Caps for Handheld Microphones (EJ-701TS / EJ-701TM)
A set of 4 different color caps.



AB-771T UHF Wideband Antenna Power Amplifier
500 mW power output is ensuring the high efficiency and long distance transmission when applied with EJ-770T / EJ-880T stationary transmitter for larger places, conferences, outdoor occasions and activities.



EJ-770T Stationary Transmitter
LCD channel display design with 16 or 96 selectable frequencies. RCA and XLR MIC IN audio inputs, Monitor headphone output with dedicated volume control, designed to meet the high demand in simultaneous language interpretation occasions.

Optional Chargers



HDC-702
Dual-slot Charger
(Handheld Microphone Transmitter/ Receiver)



HDC-707
Dual-slot Charger
(Transmitter/ Receiver)



HDC-712
12-slot Charger Case
(Transmitter / Receiver)



HDC-736
36-slot Charger Carry Case

HDC-750
50-slot Charger Drawer Case



Overall Specifications for Intelligent Chargers/ Drawer Cases

Product Type	HDC-702 Dual-slot Charger	HDC-707 Dual-slot Charger	HDC-712 12-slot Charger Case	HDC-736 36-slot Charger Case	HDC-750 50-slot Drawer Case
Number of charging compartments	2	2	12	36	50
Power requirement	100 ~ 240 V AC switching adaptor 5 V DC, 1A	115 V or 230 V AC adaptor 12V DC, 500 mA	100 ~ 240 V AC switching adaptor 12 V DC, 3.3 A	100 ~ 240 V AC switching adaptor 12 V DC, 7A	100 ~ 240 V AC switching adaptor 12V DC, 12.5 A
Indicator lights	battery charging				
LED green	battery ready				
Charging current	400 ~ 450 mA		300 ~ 350 mA		
Charging time -by using Ni-MH. 1,600 mAh	4-5 hours		5-6 hours		
Charging control	PWM control, -ΔV and timer power-off detector, one-time battery detector				
Dimensions (D x W x H) mm	106 x 84 x 90	106 x 84 x 74	325 x 305 x 176	370 x 870 x 205	830 x 626 x 250
Weight	160 g	160 g	3.5 kg	9.6 kg	36 kg

* All Specifications are subject to change without any notice.