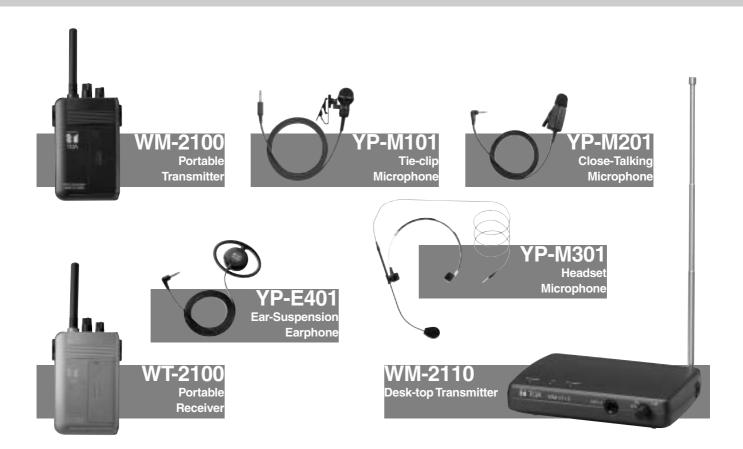
WIRELESS GUIDE SYSTEM



SYSTEM FEATURES

- Transmits and receives on five channels on the 470MHz frequency band.
- The portable transmitter provides clear coverage over a 30 meter distance while the desk-top transmitter extends the distance to 70 meters.
- Input sensitivity control with six settings on the desk-top transmitter and two-step mic input sensitivity control on the portable transmitter for ideal transmission without any signal degradation.
- Desk-top transmitter transmit on/off operation controllable with external equipment.
- Battery indicator provides at-a-glimpse battery level status.
- Four different microphone options paging, tie-clip, closetalking, and headset microphones to meet specific requirements.
- Paging microphone and close-talking microphone equipped with press-to-talk feature to reject ambient noise.
- Desk-top transmitter can be connected to external PA equipment for extending coverage area.

APPLICATION EXAMPLES

On-site Tours

Allows on-the-spot guidance and explanation to be easily provided. Ideal when touring noisy environments such as factories, plants and other industrial sites. Also useful for guided tours of museums and other quieter environments.

Listening-assistance

Useful when circumstances require listeners to be seated away from an area covered by sound reinforcement such as a PA. Also effective for helping hard-of-hearing listeners.

Simultaneous Interpretation

Important tool for use in simultaneous interpreting situations with 5-channel capabilities allowing 5 different languages to be handled simultaneously.



M-2100 Portable Transmitter



GENERAL DESCRIPTION

TOA's WM-2100 is a Portable Transmitter designed to use 470 MHz band radio signals. An optional microphone (not supplied with the unit) is required.

FEATURES

- Microphone sensitivity can be changed.
- The transmission switch (press-to-talk) function is made available. (An optional microphone with the transmission switch is required.)
- A maximum of 5 different channels can be simultaneously used in the same location.
- The battery indicator indicates the state of battery consumption to avoid the unit's failure due to battery exhaustion.
- Compact size and high reliability.
- Optional microphones can be selected from 3 different types.

SPECIFICATIONS

1.5 V DC (Battery)
Frequency modulation
470 MHz band (5 ch) (470.075, 470.150, 470.375, 470.625, 470.725 MHz)
2 mW
PLL synthesizer
200 – 5,000 Hz (Portable transmitter to Portable receiver)
50 μs
-50 dB* (sensitivity Hi)/-44 dB* (sensitivity Low)
18 hours (alkaline)
LR6 (1.5 V) × 1
-10°C to +40°C
Resin, dark gray
62 (W) × 163.6 (H) × 32.5 (D) mm
115 g (battery included)
Neck strap…1

*0 dB = 0.775 V

WT-2100 Portable Receiver



Flashes: Standby mode Lights green: Reception mode Lights red: Indicates battery exhaustion, Antenna Power/volume switch 65.6 Clip Channel selector switch Ħ Cover lock

Battery cover

GENERAL DESCRIPTION

TOA's WT-2100 is a Portable Receiver designed to receive 470 MHz band radio signals. An optional earphone (not supplied with the unit) is required.

FFATURES

- Commercial earphones can also be used (plug diameter: 3.5 mm, impedance: over 16 Ω).
- Up to 5 different channels can be simultaneously used in the same
- The battery indicator indicates the state of battery consumption to avoid the unit's failure due to battery exhaustion.
- Compact size and high reliability.

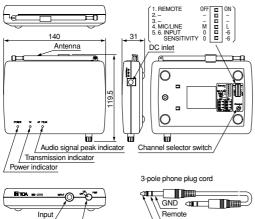
SPECIFICATIONS

SPECIFICATIONS	
Power Source	1.5 V DC (Battery)
Receiving Frequencies	470 MHz band (5 ch) (470.075, 470.150, 470.375, 470.625, 470.725 MHz)
Receiving System	Double super-heterodyne
Receiving Sensitivity	Better than 25 dB, S/N ratio (7 dBμVEMF input, ±1.7kHz deviation)
Frequency Response	200 – 5,000 Hz (Portable transmitter to Portable receiver) 150 – 6,000 Hz (Desk-top transmitter to Portable receiver)
De-emphasis	50 μs
Output Level	4 mW (16Ω load, 10% distortion)
Battery Life	18 hours (alkaline)
Battery	LR6 (1.5 V) × 1
Operation Temperature	-10°C to +40°C
Finish	Resin, dark silver
Dimensions	62 (W) × 163.6 (H) × 32.5 (D) mm
Weight	112 g (battery included)
Accessory	Neck strap…1

^{*}When using an earphone not made by TOA, use a one with a 3.5mm-diameter plug and impedance of over 16 $\!\Omega$.

WM-2110 Desk-top Transmitter





GENERAL DESCRIPTION

TOA's WM-2110 is a Desk-top Transmitter designed to use 470 MHz band radio signals.

FEATURES

- The remote control function permits the unit's transmission to be controlled from external equipment.
- Input sensitivity can be switched between MIC and LINE signal levels depending on the type of equipment to be connected to the input.
- A maximum of 5 different channels can be simultaneously used in the same location.
- Compact size and high reliability.

SPECIFICATIONS

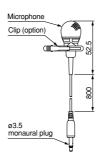
Power Requirement	230 V AC, 50 Hz
<u> </u>	,
Power Consumption	3 W
Modulation	Frequency modulation
Transmitting Frequencies	470 MHz band (5 ch) (470.075, 470.150, 470.375, 470.625, 470.725 MHz)
RF Carrier Power	5 mW
Oscillator	PLL synthesizer
Frequency Response	150 – 6,000 Hz (Desk-top transmitter to Portable receiver)
Pre-emphasis	50 μs
Input Level (selectable)	Standard input: -54 dB*/-60 dB*/-66 dB* (Mic) -12 dB*/-18 dB*/-24 dB* (Line) Maximum input: -30 dB*/-36 dB*/-42 dB* (Mic) +12 dB*/+6 dB*/0 dB* (Line) Mic/Line selection, 600 Ω, unbalanced, phone jack
Remote Input	Make contact input: Release voltage: 2 V DC short-circuit current: 0.2 mA loop resistance: under 100 Ω Remote control mode: Transmit radio signal when at make
Operation Temperature	-10°C to +40°C
Finish	ABS resin, dark gray
Dimensions	140 (W) × 31 (H) × 119.5 (D) mm
Weight	270 g
Accessory	AC-DC adapter (1.8 m)···1, Screw driver···1, 3-pole phone plug cord (2 m)···1

*0 dB = 1 V

YP-M101 Tie-clip Microphone

Audio input



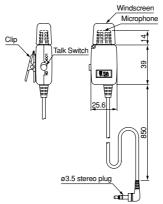


SPECIFICATIONS

0. 20070110	
Туре	Electret condenser type
Directivity	Unidirectional
Sensitivity	-46 dB (0 dB = 1 V/Pa, 1 kHz, load: 2 kΩ)
Maximum Input Level	115 dB SPL
Terminal	ø3.5 mm monaural plug
Finish	Dark gray
Weight	20 g (cable included)
Accessory	Clip···1

YP-M201 Close-Talking Microphone

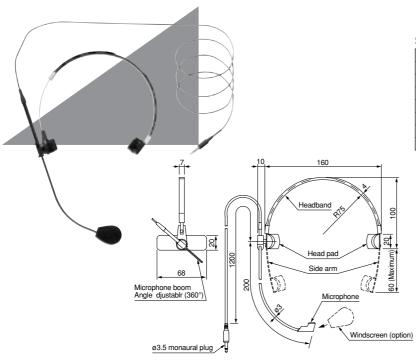




SPECIFICATIONS

Туре	Electret condenser type
Directivity	Unidirectional
Sensitivity	$-57 \text{ dB } (0 \text{ dB} = 1 \text{ V/Pa}, 1 \text{ kHz}, \text{ load: } 2 \text{ k}\Omega)$
Maximum Input Level	115 dB SPL
Switch	Press to talk switch (can be locked)
Terminal	ø3.5 mm stereo plug
Finish	Black
Weight	20 g (cable included)

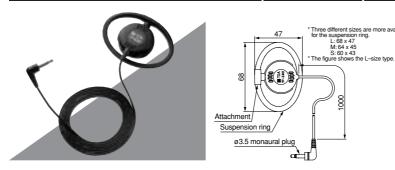
YP-M301 Headset Microphone



SPECIFICATIONS

Туре	Electret condenser type
Directivity	Unidirectional
Sensitivity	$-41 \text{ dB } (0 \text{ dB} = 1 \text{ V/Pa}, 1 \text{ kHz}, \text{ load: } 2 \text{ k}\Omega)$
Maximum Input Level	117 dB SPL
Terminal	ø3.5 mm monaural plug
Finish	Headband: ABS resin, black
Weight	45 g
Accessory	Storage case···1, Windscreen···2

YP-E401 Ear-Suspension Earphone



SPECIFICATIONS

Dynamic type
16 Ω
300 – 15,000 Hz
88 dB (0 dB= 2 X 10 ⁻⁵ Pa, 1 kHz, 10mW)
Max. 50 mW
ø3.5 mm monaural plug
Black
17 g
Ear-pad···1, Suspension ring*···2

*Three different sizes are available for the suspension ring. L: 68×47 mm M: 64×45 mm S: 60×43 mm

RELATED PRODUCT (for WM-2110)



SPECIFICATIONS

Туре	Dynamic (moving coil)
Polar Pattern	Cardioid
Rate Impedance	600 Ω, unbalanced
Output Level	-58 dB (1 kHz, 0 dB = 1 V/Pa)
Frequency Response	100 Hz – 10,000 Hz
Output	ø4.5, 2-conductor shielded cable (2.5 m) with phone plug
Switch	1 push-to-talk switch, 1 locking lever, Short-off type
Remote Control	Less than 500 mA at 30 V DC
Finish	Microphone head: Zinc plated steel wire, Baked paint, Gray Main unit: ABS resin, Gray
Dimensions	100 (W) × 215 (H) × 150 (D) mm
Weight	440 g (cord excluded)



TOA Corporation