

Specifications

Model No.	IR-201M Infrared Wireless Microphone	
Battery	AA alkaline dry cell battery DC 1.5V x2 or Ni-MH rechargeable battery DC 1.2V x2	
Infrared Emitter Wavelength	870 nm (AM: Brightness modulation)	
Modulation Method	FM modulation	
Carrier Frequency	3.100 MHz	
Transmission Distance	Approx. 15 m (In an unobstructed space)	
Modulation Sensitivity	±40kHz	
Maximum Input Sound Pressure	126dB SPL	
Microphone Unit	Unidirectional condenser microphone	
Frequency Response	100Hz - 16KHz	

Model No	IR-701T Infrared Wireless Receiver	IR-701TA Infrared Wireless Receiver
Power Source	AC 220 V, 50 Hz (With Specific transformer)	DC 13.8 V (SA-112 provide the power)
Power Consumption	Below 2W	
Infrared Detector Wavelength	870 nm	
Carrier Frequency	3.10 MHz	
Reception Area	Approx. 15 m (In an unobstructed space)	
Connection Terminal	RCA jack	RJ45
Operating Temperature	0°C to 40°C	
Finish	Base: ABS resin, white Filter: Polycarbonate resin, optical cut filter	
Dimensions	210(W) x 46(H) x 312(D) mm	
Weight	Approx. 300 g	
Accessories	Specific transformer x1	-
Option	Infrared Wireless Receiver IR-201M	

Model No.	SA-112 Classroom Amplifier	
Power Source	DC 24V / 1A	
Amplification System	Class D	
Power Consumption	2W (1kHz sine wave) 5.6W (1/8 rated output)	
Maximum output	12W (100V)	
Output impedance	833Ω	
Frequency Response	50Hz~20kHz (-6dB@50Hz, -7dB@20kHz)	
Distortion	0.15% (1KHz)	
S/N Ratio	75dB or more (A-Weighted)	
Protection	Protection against over heat, excessive current flow, output short circuit (Automatically resume after fault resolution)	
Input	MIC1 / IR (Front Panel): -60dB*, 600Ω, Balanced (Phone Jack) MIC2 (Front Panel): -60dB*, 600Ω, Balanced (Phone Jack) AUX (Front Panel): -20dB*, 10KΩ, 3.5mm Stereo Mini Jack LINE (Rear Panel): -20dB*, 10KΩ, Unbalance RCA Pin Jack IR (Rear Panel): RJ45 (For IR-701TA CE) EXT (Emergency Input): +40dB* (100V), Maximum Input Power 12W EXT has the highest priority	
Tone control	BASS: ±10dB at 100Hz TREBLE: ±10dB at 10KHz	
EXT Input Sensitivity Control	SENSE: MIN (Emergency paging start when EXT input higher than 10V) MAX (Emergency paging start when EXT input higher than 30V)	
Indicator	SIG OUT (Yellow LED) : Lights when signal out PROTECT (Red LED) : Lights when protection circuit activate SIG IN (Green LED) : Lights when signal in POWER (Green LED): Lights when the power is switched on	
Operating Temperature	-10 to 40°C	
Operating Humidity	Less than 90%RH	
Dimensions	210(W) x 44(H) x 204.5(D) mm	
Weight	800g	
Finish	Upper case: ABS resin (Black), Lower case: ABS resin (BLACK)	
Accessories	TOA sticker x1	
Option	AC Adapter AD-246, Wall mount bracket (Q-MA-SA112) 1CH Infrared wireless microphone system: IR-701TA, IR-201M	



SINGLE CHANNEL INFRARED WIRELESS MICROPHONE & CLASSROOM AMPLIFIER SYSTEM



Standard classroom system providing interference-free transmission enhancing teaching and learning environment.



Human Society with
Sound & Communication

TOA (Hong Kong) Limited

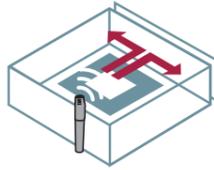
www.toa.com.hk

Specifications are subject to change without notice.
Printed in Hong Kong

Interference-free solution with simple installation for classrooms and lecture rooms.

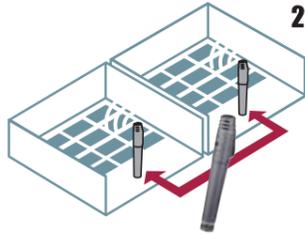
1. Interference-free

Different from radio signal, infrared signal cannot transmit through non transparent surface. The system is suitable for usage of large number of wireless microphone in building with different partitions including educational institutes and office building. It is best fit for countries with narrow license-free frequency band.



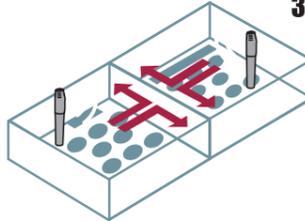
2. Private microphone ensuring hygiene

The single channel microphone and receiver use the same frequency for transmission. This allows users to use their own microphone among different systems and prevent cross infection from sharing microphones.



3. Confidential and secure

Sensitive matters in discussion are kept inside the room. Infrared transmission are an excellent solution for secure, efficient and smooth conducting of meetings, free from concern about confidentiality, or about being disturbed by interference from outside.



System Example



1CH Infrared Wireless Microphone & Receiver



IR-201M
Infrared Wireless Microphone

- Lightweight hand-held microphone keeps hands from tiring even during long hours of use.
- IR-701T/ IR-701TA receiver covers extensive area up to approx. 15 m line of sight.
- The infrared wireless microphone system can be used as far as simply connecting to the amplifier without any further setting



SA-112 Classroom Amplifier



- The unit is light in weight and compact in size
- Equipped with 2 microphone input, 2 line input
- Provided RJ-45 connection to IR-701TA 1CH infrared receiver
- EXT IN (100V) is priority input for emergency broadcast. The input signal can bypass the unit
- The unit is a class D digital amplifier

