

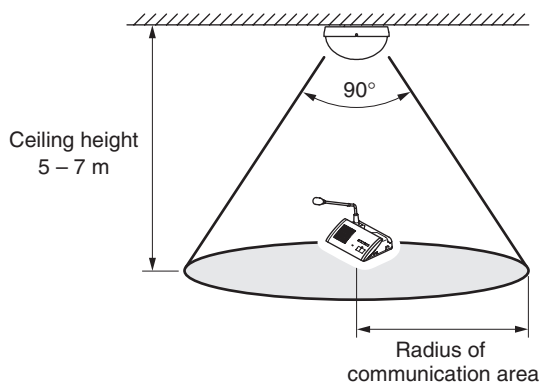
# INFRARED TRANSMITTER/RECEIVER TS-907

Thank you for purchasing TOA's Infrared Transmitter/Receiver.  
Please carefully follow the instructions in this manual to ensure long, trouble-free use of your equipment.

## 1. GENERAL DESCRIPTION

The TS-907 Infrared Transmitter/Receiver is designed for the TOA Infrared Conference Systems. It is connected to the Central unit, and permits communications between the Central unit and Chairman/Delegate units in the systems. Communications between the TS-907 and Chairman/Delegate units are performed by means of infrared signals.  
Up to 12 TS-907 units can be installed in a system.  
For more information, refer to the instruction manual supplied with the Central unit.

## 2. INFRARED SERVICE AREA



Ceiling height	Radius of communication area
5.0 m	Approx. 6.0 m
5.5 m	
6.0 m	
6.5 m	
7.0 m	

### Notes

- Infrared signals cannot reach the Infrared Transmitter/Receiver unit if it is hidden behind the user or other objects. Install multiple Transmitter/Receiver units in line-of-sight from all Chairman and Delegate units.
- Install the Infrared Transmitter/Receiver units in such a way that each Chairman and Delegate unit can always communicate with two or more Transmitter/Receiver units. If installed in such a way that communication is only established with one Transmitter/Receiver unit, the infrared signal may be blocked by persons or other objects, possibly causing a momentary loss of signal reception.

## 3. SPECIFICATIONS

Power Source	24 V DC (supplied from the optional TS-800 or TS-900)		
Current Consumption	Max. 180 mA		
Infrared Emitter/Detector	Wavelength	870 nm (AM: Brightness modulation)	
	Modulation Method	Frequency modulation	
	Carrier Frequency	Transmission: Audio channel 1:	7.35 MHz
		Audio channel 2:	8.10 MHz
	Reception:	Audio channel 3:	8.55 MHz
		Audio channel 4:	9.15 MHz
Control channel:		6.45 MHz	
Base language channel:		1.95 MHz	
	Translation language channel:	2.25 MHz	
Acceptance Angle	Vertical: 90° (45° + 45°), Horizontal: 360°		
Emission Angle	Vertical: 90° (45° + 45°), Horizontal: 360°		
Communication Area	Approx. 6 m in radius from the point underneath the unit (ceiling height: 5 – 7 m)		
Connection Terminal	BNC jack		
LED Indicator	Power		
Operating Temperature	0°C to 40°C		
Finish	Dome: PC resin, visible light cut filter		
	Base: ABS resin, black		
Dimensions	ø120 x 71.3 (h) mm		
Weight	230 g (unit only)		

**Note:** The design and specifications are subject to change without notice for improvement.

### • Accessories

Mounting bracket .....	1
Stand mounting bracket .....	1
Screw M3 x 6 .....	3
W5/16 – W5/8 thread adapter .....	1