

INFRARED TRANSMITTER/RECEIVER TS-907

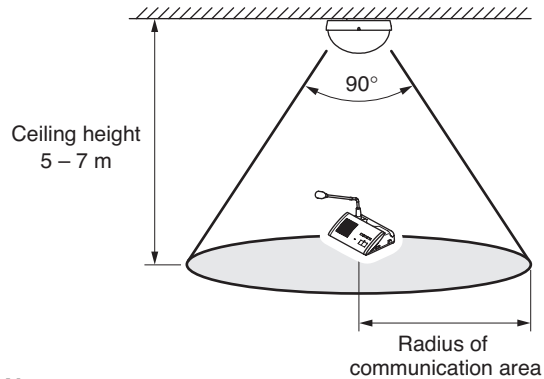
Thank you for purchasing TOA's Infrared Transmitter/Receiver.
Please carefully follow the instructions in this manual to ensure long, trouble-free use of your equipment.

This is a class A product.
In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

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 Audio channel 3: 8.55 MHz Audio channel 4: 9.15 MHz Control channel: 6.45 MHz Reception: 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

Traceability Information for Europe (EMC directive 2004/108/EC)

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