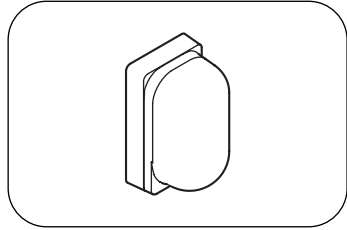


INFRARED WIRELESS RECEIVER IR-500R



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

For installation instructions, refer to the instruction manual enclosed with the infrared wireless tuner.

1. SAFETY PRECAUTIONS

- Before installation or use, be sure to carefully read all the instructions in this section for correct and safe operation.
- Be sure to follow all the precautionary instructions in this section, which contain important warnings and/or cautions regarding safety.
- After reading, keep this manual handy for future reference.

**⚠ WARNING** Indicates a potentially hazardous situation which, if mishandled, could result in death or serious personal injury.

When Installing the Unit

- Install the unit only in a location that can structurally support the weight of the unit. Doing otherwise may result in the unit falling down and causing personal injury and/or property damage.
- Use screws that are appropriate for the wall's structure and composition. Failure to do so may cause the unit to fall, resulting in material damage and possible personal injury.
- Tighten each screw securely. Ensure that the unit has no loose joints after installation to prevent accidents that could result in personal injury.
- Do not mount the unit in locations exposed to constant vibration. The unit can be damaged by excessive vibration, potentially causing the unit to fall, which could result in personal injury.

When the Unit is in Use

- Do not touch the connection cable during thunder and lightning, as this may result in electric shock.

**⚠ CAUTION** Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.

When Installing the Unit

- (Stand mounting) Avoid placing the stand in a doorway or other high traffic area as people may trip on the equipment and cords, or be injured by falling objects.
- Leave the installation of the unit to your TOA dealer because the installation requires expert knowledge. Improper installation may cause the unit to fall, resulting in personal injury or electric shock.

2. GENERAL DESCRIPTION

The IR-500R Infrared Wireless Receiver is designed for use with the IR-702T Infrared Wireless Tuner. It can be mounted to a wall or an electrical box.

3. SPECIFICATIONS

Power Source	24 V DC (supplied from the optional IR-702T)	
Current Consumption	Max. 40 mA	
Infrared Detector	Wavelength	870 nm
	Carrier Frequency	Channel A: 3.100 MHz Channel B: 3.350 MHz
	Acceptance Angle	Vertical: 80° (Up to 30° movable downward) Horizontal: 80° (Up to 30° movable left or right)
	Communication Area	Approx. 15 m or 50 ft (in the space where no obstacles exist)
Connection Terminal	75 Ω, BNC jack	
Operating Temperature	0 to 40 °C (32 to 104 °F)	
Operating Humidity	30 to 80% RH	
Finish	Case: Polycarbonate resin, visible light cut filter Base: ABS resin, off-white	
Dimensions	70 (w) x 120 (h) x 72 (d) mm (2.76" x 4.72" x 2.83")	
Weight	220 g or 0.49 lb (unit only)	

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

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:  
 (1) this device may not cause harmful interference, and  
 (2) this device must accept any interference received, including interference that may cause undesired operation.  
 Any modifications made to this device that are not approved by TOA Corporation may void the authority granted the user by the FCC to operate this equipment.

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

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