

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 cautions regarding safety.
- After reading, keep this manual for future reference.

**WARNING**

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

- Do not expose the unit to rain or an environment where it may be splashed by water or other liquids, as in doing so may result in fire or electric shock.
- Since the unit is designed for in-door use, do not use it outdoors. When it gets wet with rain, there is a danger of electric shock.
- Should the following irregularity be found during use, immediately switch off the power of the TS-690-AS Central unit, disconnect the power supply plug from the AC outlet and contact your nearest TOA dealer. Make no further attempt to operate the unit in this condition as this may cause fire or electric shock
  - If you detect smoke or a strange smell coming from the unit.
  - If water or any metallic object gets into the unit
  - If the unit falls, or the unit case breaks
  - If it is malfunctioning (no tone sounds.)

- To prevent a fire or electric shock, never open nor remove the unit case as there are high voltage components inside the unit. Refer all servicing to qualified service personnel.
- Do not place cups, bowls, or other containers of liquid or metallic objects on top of the unit. If they accidentally spill into the unit, this may cause a fire or electric shock.
- Do not insert nor drop metallic objects or flammable materials into the speaker openings in the unit's cover as this may result in fire or electric shock.

**CAUTION**

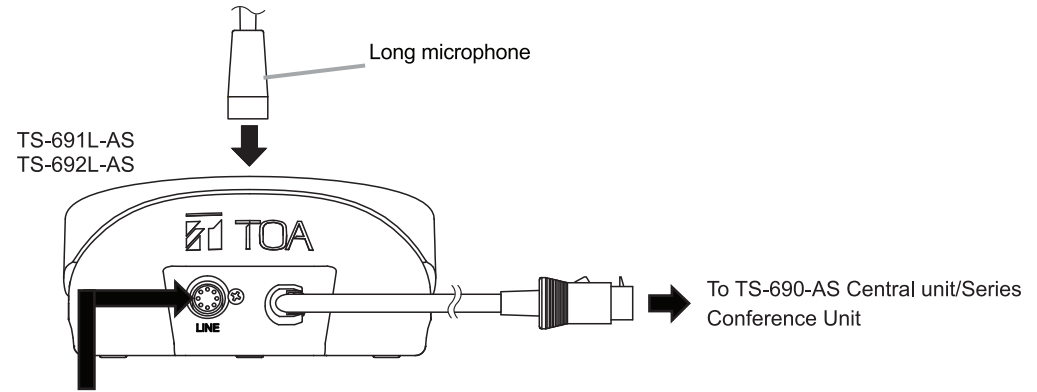
Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.

- Avoid installing the unit in humid or dusty locations, in locations exposed to the direct sunlight, near the heaters, or in locations generating sooty smoke or steam as doing otherwise may result in fire or electric shock.

2. GENERAL DESCRIPTION

The TS-691L-AS Chairman unit and TS-692L-AS Delegate unit are designed for use with the TOA Conference system. Both TS-691L-AS and TS-692L-AS come with a long microphone as standard accessory.

3. CONNECTION



From Other Conference Unit

**Note**

For details, refer to the instruction manual enclosed with the TS-690-AS.

4. SPECIFICATIONS

Power Source	36 V DC, 30 mA or less (supplied from the Central unit TS-690-AS)
Output	Headphone/Recording: $\Phi$ 3.5 mm, mini jack (3P: monaural) Internal Speaker: 130 $\Omega$ , 200 mW
Control	Speech: Microphone, speaker on-off control by speech button Priority (TS-691L-AS only): Microphone, speaker on-off, other microphone cut off and single-tone chime activation by priority button Volume control: Headphone/Recording and internal speaker volume adjustable
Microphone (Accessory)	Electret condenser microphone Directivity: Unidirectional Impedance: 1.8 k $\Omega$ Sensitivity: -37 dB (1 kHz 0 dB = 1 V/Pa) Frequency response: 100 Hz - 13 kHz Length : 518 mm Weight: 105 g
Operating Temperature	0 to 40°C
Operating Humidity	90 % RH or less (no condensation)
Finish	Upper case: ABS resin, metallic grey, paint Lower case: ABS resin, black
Dimensions	145.3 (W) x 70.7 (H) x 150.5 (D) mm (Excluding microphone unit)
Weight	800 g (Excluding microphone unit)

\* 0 dB = 1 V

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

• **Accessory**

Long microphone unit.....1

• **Optional products**

Extension cord: YR-780-2M, YR-780-10M