

**CHAIRMAN UNITS  
DELEGATE UNITS****TS-811, TS-911  
TS-812, TS-912**

Thank you for purchasing TOA's Chairman Unit and Delegate Unit.  
Please carefully follow the instructions in this manual to ensure long, trouble-free use of your equipment.

**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.

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

 **WARNING**

- Do not expose the unit to rain or an environment where it may be splashed by water or other liquids, as doing so may result in fire or electric shock.
- Avoid installing or mounting the unit in unstable locations, such as on a rickety table or a slanted surface. Doing so may result in the unit falling down and causing personal injury and/or property damage.
- Should the following irregularity be found during use, immediately stop supplying the power 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 in any openings, as this may result in fire or electric shock.



- 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.

- Do not place heavy objects on the unit as this may cause it to fall or break which may result in personal injury and/or property damage. In addition, the object itself may fall off and cause injury and/or damage.

- Make sure that the volume control is set to minimum position before power is switched on. Loud noise produced at high volume when power is switched on can impair hearing.

## 2. GENERAL DESCRIPTION

The TS-911/811 Chairman unit\* and the TS-912/812 Delegate unit\* are designed to be connected to the conference system by a cable.

Each unit is directly connected to the TS-919B1 or TS-919B4 Bridge unit, then to the TS-910 Central unit via the TS-918 Expansion unit.

Optional 2 types of microphones are available: TS-903 Standard type microphone or TS-904 Long type microphone, either of which can be selected.

\* Collectively referred to as a Conference unit.

## 3. FEATURES

- The TS-911/912 unit features a voting function and base language/translation language selection function, while the TS-811/812 unit is equipped only with speaking and monitoring functions.
- Chairman units feature a Speech priority function that allows speech made by the Chairman unit to take precedence over that by the Delegate units with the simple press of the Priority speech key.
- DIP switch settings determine the following operations: Conference unit operating status after priority speech completion, Priority chime ON/OFF, and Priority speech key operation mode.
- The TS-911 is equipped with a voting function enabled by the DIP switch setting.
- Connection between the Wired Conference unit and the Bridge unit can be made using a single CAT-5 LAN cable, facilitating installation and construction work.
- Two types of Bridge units are available: single-Conference unit connection type and 4-Conference unit connection type, either of which is freely selectable depending on installation conditions.
- Conference unit microphones are attached via XLR connectors that permit easy detachment for more space-saving convenience in storage.
- Two types of Conference unit microphones are made available and freely interchangeable: Standard type and Long type.

## 4. SPECIFICATIONS

### 4.1. TS-811 Chairman Unit, TS-812 Delegate Unit

Model Number	TS-811	TS-812
Power Source	24 V DC (supplied from the optional TS-918 Expansion unit)	
Current Consumption	Max. 60 mA	
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: Audio channel 1.95 MHz	
Input	Microphone terminal: XLR-4-31 type (dedicated for connecting the optional TS-903 or TS-904)	
Output	Monitor speaker: 8 Ω, 0.2 W Headphone: ø3.5 mm mini jack (3P: monaural) x 2	
Connection Terminal	RJ45 connector	
LED Indicator	Speech indicator (flashes at communication failure), Power indicator (flashes at communication failure)	
Function	Monitor volume control, Headphone volume control, Priority speech function	Monitor volume control, Headphone volume control
Operating Temperature	0 to 40 °C (32 to 104 °F)	
Operating Humidity	90 %RH or less (no condensation)	
Finish	Top panel: ABS resin, gray metallic, paint, semi-gloss	
Dimensions	210 (w) x 68.6 (h) x 152 (d) mm (8.27" x 2.7" x 5.98")	
Weight	560 g (1.23 lb)	

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

#### • Optional products

Microphone: TS-903, TS-904 (Select either one.)

## 4.2. TS-911 Chairman Unit, TS-912 Delegate Unit

Model Number	TS-911	TS-912
Power Source	24 V DC (supplied from the optional TS-918 Expansion unit)	
Current Consumption	Max. 60 mA	
Modulation Method	Frequency modulation	
Carrier Frequency	Transmission: Audio channel 1 Audio channel 2 Audio channel 3 Audio channel 4 Control channel Reception: Base language channel Translation language channel	7.35 MHz 8.10 MHz 8.55 MHz 9.15 MHz 6.45 MHz 1.95 MHz 2.25 MHz
Input	Microphone terminal: XLR-4-31 type (dedicated for connecting the optional TS-903 or TS-904)	
Output	Monitor speaker: 8 Ω, 0.2 W Headphone: ø3.5 mm mini jack (3P: monaural) x 2	
Connection Terminal	RJ45 connector	
LED Indicator	Speech indicator (flashes at communication failure), Voting status indicators 1 – 3, Power indicator (flashes at communication failure)	
Function	Monitor volume control, Headphone volume control, Priority speech function, Voting function, Monitor selector switch (MAIN/SUB)	Monitor volume control, Headphone volume control, Voting function, Monitor selector switch (MAIN/SUB)
Operating Temperature	0 to 40 °C (32 to 104 °F)	
Operating Humidity	90 %RH or less (no condensation)	
Finish	Top panel: ABS resin, gray metallic, paint, semi-gloss	
Dimensions	210 (w) x 68.6 (h) x 152 (d) mm (8.27" x 2.7" x 5.98")	
Weight	570 g (1.26 lb)	

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

### • Optional products

Microphone: TS-903, TS-904 (Select either one.)

### Traceability Information for Europe

Manufacturer:  
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