



EXPANSION UNIT**TS-918**

Thank you for purchasing TOA's Expansion 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****When Installing the Unit**

- 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.
- Use the unit only with the voltage specified on the unit. Using a voltage higher than that which is specified may result in fire or electric shock.
- Do not cut, kink, otherwise damage nor modify the power supply cord. In addition, avoid using the power cord in close proximity to heaters, and never place heavy objects -- including the unit itself -- on the power cord, 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.

When the Unit is in Use

- Should the following irregularity be found during use, immediately 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 the power supply cord is damaged (exposure of the core, disconnection, etc.)

- 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 touch a power supply plug during thunder and lightning, as this may result in electric shock.
- When moving the unit, be sure to remove its power supply cord from the wall outlet. Moving the unit with the power cord connected to the outlet may cause damage to the power cord, resulting in fire or electric shock. When removing the power cord, be sure to hold its plug to pull.
- 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.

CAUTION

When Installing the Unit

- Be sure to follow the instructions below when rack-mounting the unit. Failure to do so may cause a fire or personal injury.
 - Install the equipment rack on a stable, hard floor. Fix it with anchor bolts or take other arrangements to prevent it from falling down.
 - When connecting the unit's power cord to an AC outlet, use the AC outlet with current capacity allowable to the unit.
 - The supplied rack-mounting screws can be used for the TOA equipment rack only. Do not use them for other racks.
- Never plug in nor remove the power supply plug with wet hands, as doing so may cause electric shock.
- When unplugging the power supply cord, be sure to grasp the power supply plug; never pull on the cord itself. Operating the unit with a damaged power supply cord may cause a fire or electric shock.

When the Unit is in Use

- 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.
- If dust accumulates on the power supply plug or in the wall AC outlet, a fire may result. Clean it periodically. In addition, insert the plug in the wall outlet securely.
- Unplug the power supply plug from the AC outlet for safety purposes when cleaning or leaving the unit unused for 10 days or more. Doing otherwise may cause a fire or electric shock.
- Use the supplied AC adapter for the unit. Note that the use of other adapter may cause a fire.

2. GENERAL DESCRIPTION

The TS-918 is an interface for incorporating the Wired Conference unit(s) in the conference system. It is connected to the TS-910 Central unit with a coaxial cable and to the TS-919B1 or 919B4 Bridge unit with a Cat-5 LAN cable.

The TS-918 (1U size) can be mounted on an EIA equipment rack by using the optional rack-mounting bracket.

3. FEATURES

- Connection between the TS-918 and the Bridge unit can be made using a single CAT-5 LAN cable, facilitating installation and construction work.
- Up to 24 Conference units per TS-918 Expansion unit can be connected via the Bridge units.
- Up to 8 TS-918 Expansion units can be connected to the Central unit by using the YW-1022 or YW-1024 Distributors.

4. SPECIFICATIONS

Power Source	100 – 240 V AC, 50/60 Hz (use of the supplied AC adapter)
Power Consumption	74.4 W
Current Consumption	Max. 3.1 A DC (when 24 V DC is supplied from the supplied AC adapter)
Gain	Upstream: +16.5 dB Downstream: +12.5 dB
Connection Terminal	Central unit connection terminal: BNC jack Bridge unit connection terminal: RJ45 connector
LED Indicator	Connection status indicators (3 LEDs each on the front and rear panels), Power indicator
Number of Connectable Chairman/Delegate Units	Up to 24 units (when using 21 units of TS-919B1 or 6 units of TS-919B4, both optional Bridge units)
Operating Temperature	0 to 40 °C (32 to 104 °F)
Operating Humidity	90 %RH or less (no condensation)
Finish	Panel: Aluminum, black, 30 % gloss, melamine-baked paint Case: Pre-coated steel plate, black
Dimensions	210 (w) x 44 (h) x 296.5 (d) mm (8.27" x 1.73" x 11.67")
Weight	1.6 kg (3.53 lb)

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

• Accessories

AC adapter* (DC cord: 1.8 m or 5.91 ft, Detachable AC cord: 2 m or 6.56 ft) 1
BNC plug-to BNC plug cord (50 cm or 1.64 ft) 1

* Not supplied with the TS-918 (KR). For the usable power supply cord and AC adapter, consult your nearest TOA dealer.

• Optional products

Rack mounting bracket: MB-15B-BK (for rack mounting one TS-918 unit)
MB-15B-J (for rack mounting two TS-918 units)

Traceability Information for Europe

Manufacturer:

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