

CEILING MOUNT MICROPHONE

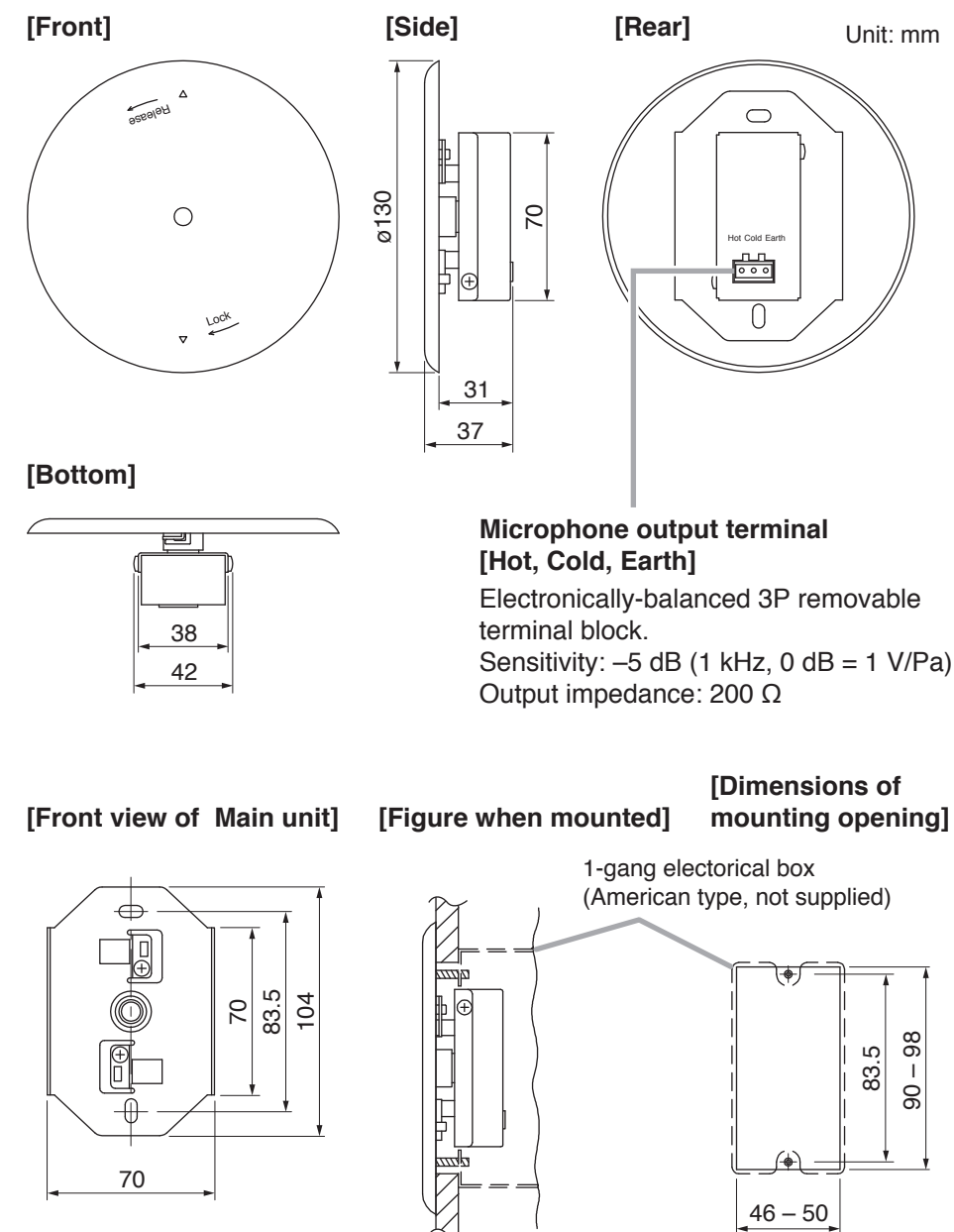
AN-9001

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

1. GENERAL DESCRIPTION

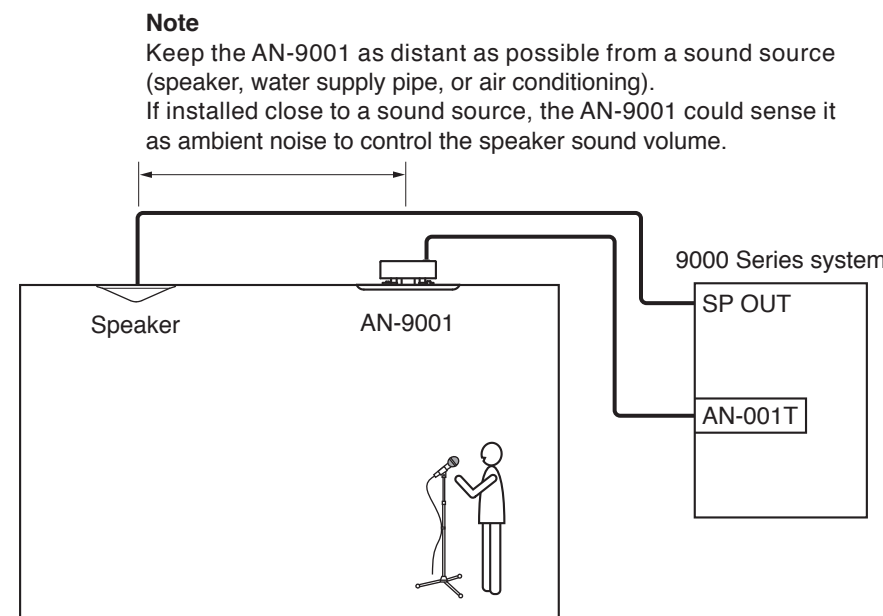
The AN-9001 is an electret condenser microphone designed for ambient noise detection. It is used in conjunction with the AN-001T Ambient Noise Sensor Input module in the 9000 Series system. It can be mounted in a 1-gang electrical box (American type) in the ceiling or wall.

2. DIMENSIONAL DIAGRAM



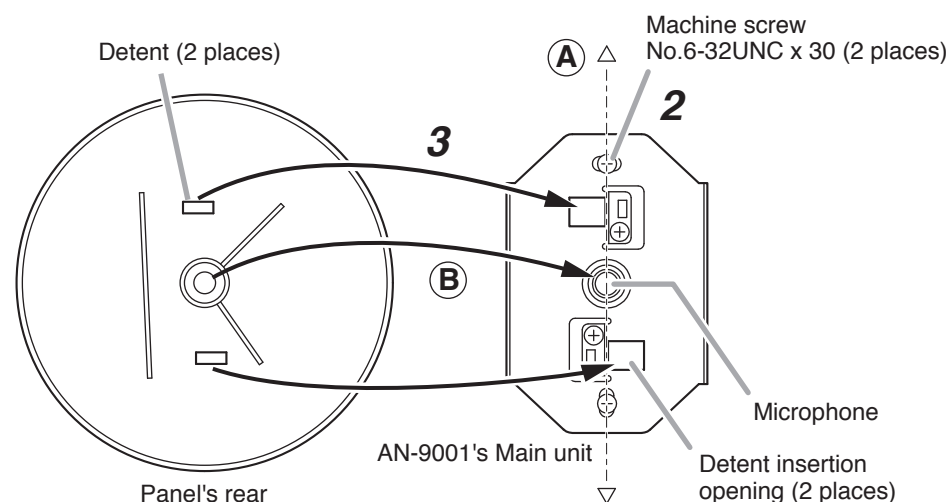
3. CONNECTION

The AN-001T and AN-9001 are connected as illustrated below and used to control the speaker sound volume in a room or such closed space.



4. INSTALLATION

- Install a 1-gang electrical box in a wall or ceiling.
 - Mount the AN-9001's Main unit to the installed electrical box. Use the 2 screws (No.6-32UNC x 30) supplied with the AN-9001.
- Note**
The AN-9001 comes with 2 types of machine screws: No.6-32UNC x 30 (unified threads) and M4 x 30 (metric threads). Be sure to use correct ones.
- Let both detents on the panel's rear into the detent insertion openings of the Main unit.
- Tips**
For detent insertion, refer to the following points:
(A) Align 2 triangular marks on the panel with the extended line connecting between Main unit's mounting screws.
(B) Align the panel's center hole with the Main unit's microphone.
- Rotate the panel clockwise.
The panel locks into place by rotating it about 20° in the "Lock" direction.



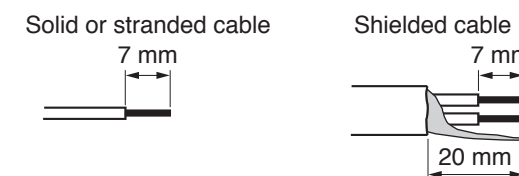
5. REMOVABLE TERMINAL PLUG CONNECTION

Be sure to use the supplied removable terminal plugs for connections to the removable terminal blocks.

Notes

- Be sure to use shielded cables for audio signal lines.
- Avoid soldering stranded or shielded cable, as contact resistance may increase when the cable is tightened and the solder is crushed, possibly resulting in an excessive rise in joint temperatures.

[Cable end treatment]



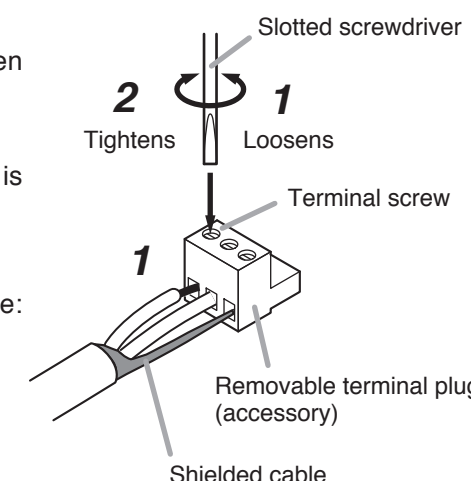
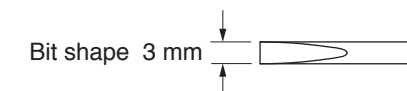
[Connector connection]

Step 1. Loosen the terminal screw, then insert the cable.

Step 2. Retighten the terminal screw. (Pull on the cable to ensure it is securely connected.)

Tip

Recommended slotted screwdriver type: Screwdriver with 3 mm blade width



6. SPECIFICATIONS

Type	Electret condenser microphone
Phantom Power	14 – 26 V DC
Current Consumption	7 mA (at 24 V DC)
Directivity	Omnidirectional (hemispherical)
Impedance	200 Ω
Rated Sensitivity	-5 dB (1 kHz, 0 dB = 1 V/Pa)
Frequency Response	100 Hz – 10 kHz
Output Terminal	Removable terminal block (3 pins)
Operating Temperature	-10 to +40°C
Finish	Panel: ABS resin, white Frame, Case: Surface-treated steel plate
Dimensions	ø130 x 37 (d) mm
Weight	200 g

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

• Accessories

- Removable terminal plug (3 pins) 1
- Machine screw No. 6-32 UNC x 30 2
- Machine screw M4 x 30 2

Traceability Information for Europe

Manufacturer:
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