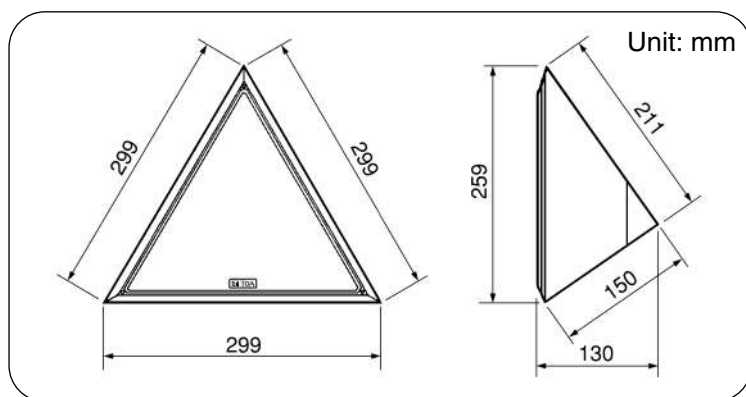


SPEAKER SYSTEM



< Low impedance series >

F-10W (White)

F-10B (Black)

< High impedance series >

F-10WM (White)

F-10BM (Black)

Please follow the instructions in this manual to obtain the optimum results from this unit.
We also recommend that you keep this manual handy for future reference.

■ SAFETY PRECAUTIONS

- Be sure to read the instructions in this section carefully before use.
- Make sure to observe the instructions in this manual as the conventions of safety symbols and messages regarded as very important precautions are included.
- We also recommend you keep this instruction 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 and the mounting bracket. Doing otherwise may result in the speaker falling down and causing personal injury and/or property damage.
- Because the tip of an enclosure is pointed, install the speaker in safe locations to avoid personal injury.
- Use mounting screws suited to the ceiling or wall structures. If the mounting surface is not strong enough to support the speaker weight, the speaker may fall off, causing personal injury.

When the Unit is in Use

- Should the following irregularity be found during use, immediately switch off the amplifier's power, disconnect its 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 it is malfunctioning (no tone sounds.)



CAUTION

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

When the Unit is in Use

- Do not operate the speaker for an extended period of time with the sound distorting. This is an indication of a malfunction, which in turn can cause heat to generate and result in a fire.

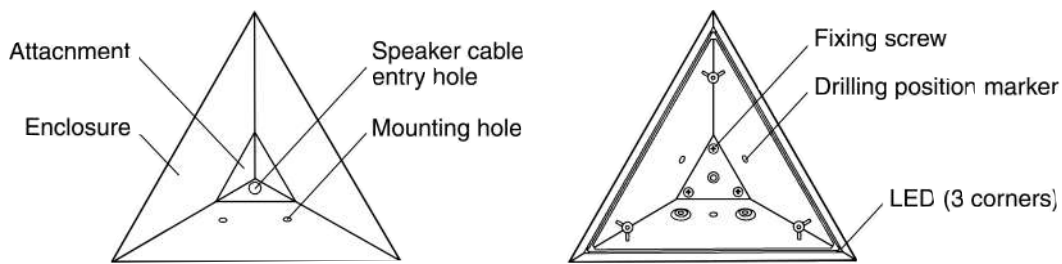
■ FEATURES

- Compact yet full-range, sealed type that realizes wide frequency reproduction.
- Inorganic compound resin enclosure with excellent acoustic characteristics.
- Attractive, tetrahedron design for mounting on the wall or at the corner of the room without additional brackets.
- Three LEDs for visual effects.

■ HANDLING PRECAUTIONS

Perform impedance settings before speaker installation (F-10MW and F10BM only).

■ NOMENCLATURE



■ IMPEDANCE CHANGING (F-10WM and F-10BM only)

The speaker's impedance is preset to 2 k Ω (100 V line, 5 W) by the factory. To change the impedance, check to confirm whether the speaker line is 100 V or 70 V, then connect the red lead wire connected to the built-in transformer's terminal to the correspondingly-labeled terminal.

Important: When the speaker line voltage is 100 V, never use the 3 W or 5 W terminal of 70 V line as the speaker may be damaged, resulting in amplifier malfunction.

■ INSTALLATION

● Wall or Ceiling Mounting

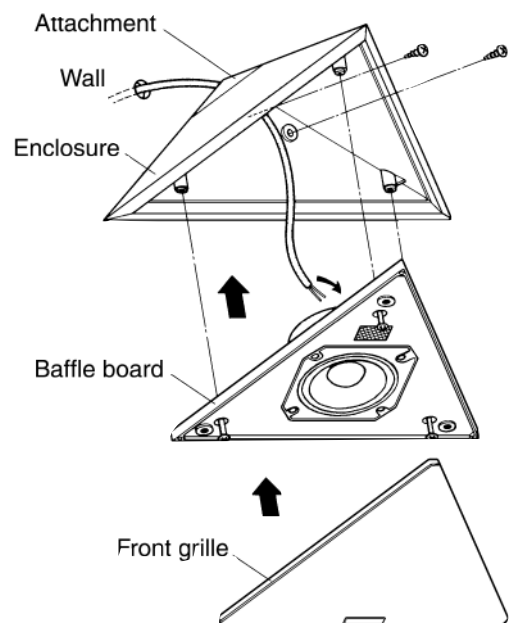
[Method A]

1. Bring the speaker cable through the speaker cable entry hole, and mount the enclosure to the wall or ceiling using screws (mounting distance: 67 mm).

Note: Use proper type of screws depending on the structure of the wall or ceiling. (No mounting screw is supplied with the speaker.)

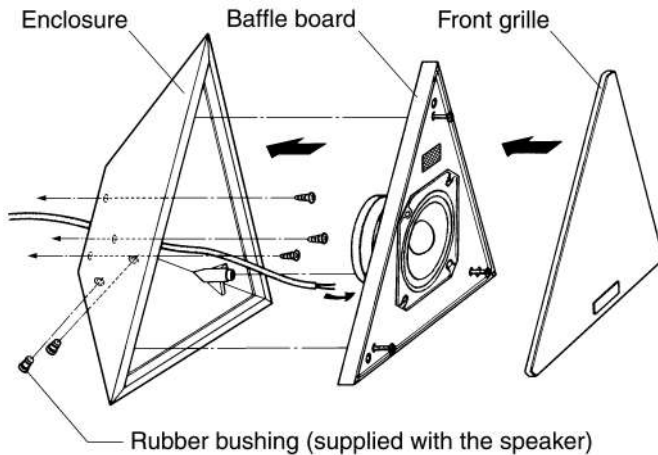
Tips: If it is difficult to run the speaker cable through the cable entry hole, either detach the attachment by removing fixing screws or drill the enclosure from the position marked inside the enclosure. When the attachment is removed, fit the supplied rubber bushing in the attachment fixing hole from outside the enclosure.

2. Connect the speaker cable to the push terminal on the reverse side of the baffle board, then mount the baffle board to the enclosure.
(Note the correct direction of the baffle board when mounting. Refer to the section "Front Grille Attachment.")
3. Attach the front grille.



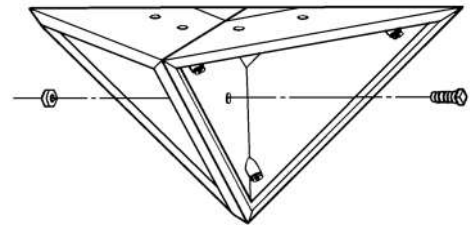
[Method B]

It is also possible to mount the speaker to the wall or ceiling by removing the attachment.



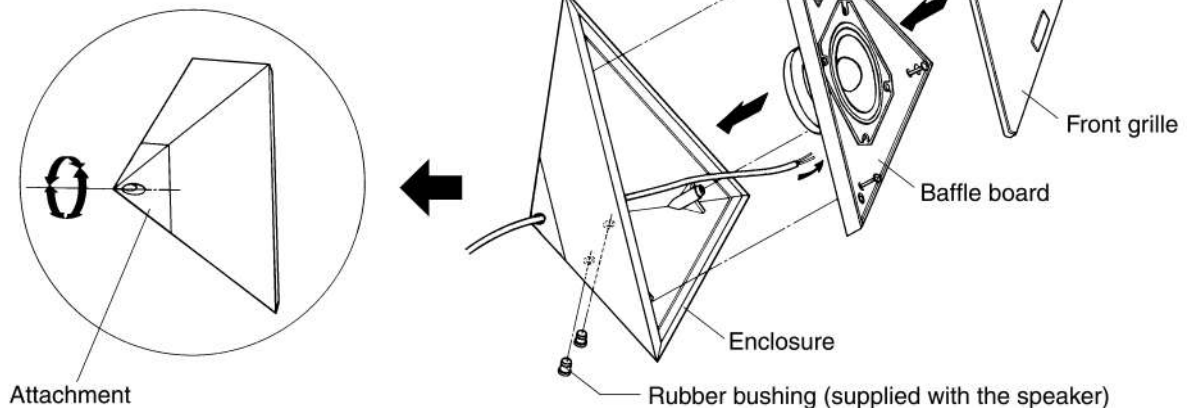
• Combining Speakers

When combining 2 or 4 speakers together for wall or ceiling mounting, drill the enclosures from the position marked inside the enclosure and attach them to each other with bolts. This will prevent the surface from producing a gap and keep the speakers in place.



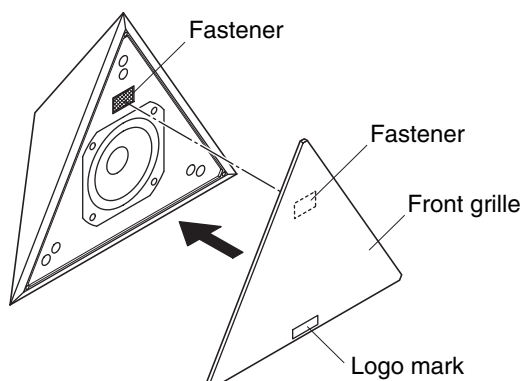
• Floor Installation

1. Unscrew the attachment and move 1/3 rotation (so that the cable entry hole is located on the side of the enclosure when the speaker is installed with the enclosure surface having the mounting hole down).
2. Insert the supplied rubber bushings into the mounting holes in the enclosure from the outside.
3. Assemble the speaker.
(Refer to "Method A" in the section "Wall or Ceiling Mounting.")

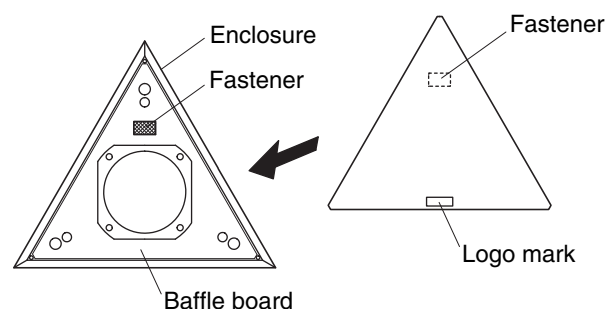


• Front Grille Attachment

To attach the grille to the speaker, align its fastener with that on the speaker as shown below, and press on the grille fastener till it snaps into place.



Note: When attaching the baffle board to the enclosure, see to it that the fastener is positioned opposite the logo mark as shown below.



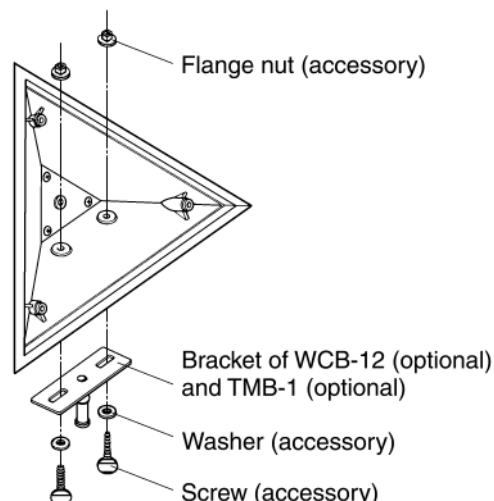
• Mounting the Speaker to the Optional Bracket WCB-12 or TMB-1

1. Replace speaker mounting screws (M5 x 15) of the WCB-12 or TMB-1 with the screws (M5 x 20) supplied with the speaker.

Note: Speaker mounting screws of the WCB-12 or TMB-1 cannot be used for mounting the speaker.

2. Mount the WCB-12 or TMB-1 to the wall, desk or other desired place.

3. Assemble the speaker.
(Refer to "Method A" in the section "Wall or Ceiling Mounting.")



■ LED LAMPS

Three LED lamps installed at the three corners of the front grille light when the speaker receives an audio signal from the amplifier, with their brightness level varying in response to strength of sound reproduced from the speaker. The lamps do not light when the sound volume is low.

Tips: When it is not desirable that the lamps light, disconnect terminal connection between the speaker and LED protection circuit located on the reverse side of the baffle board.

■ SPECIFICATIONS

Model No.	F-10W	F-10B	F-10WM	F-10BM
Enclosure	Sealed type			
Internal Speaker	10 cm cone speaker			
Power Handling Capacity	15 W (continuous pink noise) 45 W (continuous program input)		5 W (rated input)	
Rated Impedance	8 Ω		100 V line: 3.3 kΩ (3 W), 2 kΩ (5 W) 70 V line: 1.7 kΩ (3 W), 1 kΩ (5 W)	
Ounput Sound Pressure Level	88 dB (1 W, 1 m)			
Frequency Response	100 – 18,000 Hz			
Color	White	Black	White	Black
Weight	1.5 kg			

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

• Accessories

Rubber bushing	3	Flange nut	2
Screw	2	Washer	2