

WALL MOUNT SPEAKER

BS-1006

Thank you for purchasing TOA's Wall Mount Speaker. 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.

- 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.

CAUTION

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

- 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.
- Do not stand or sit on, nor hang down from the speaker as this may cause it to fall down or drop, resulting in personal injury and/or property damage.

2. GENERAL DESCRIPTION

The BS-1006 is wall mount speaker and can be hooked or mounted directly on the wall. Speaker is tastefully designed to harmonize with modern building interiors. The push-in type input terminal makes cable connections easy and allows bridge wiring. The input impedance can be easily changed by changing the tap position of the transformer from the rear side of the speaker.

3. INSTALLATION

3.1. Wall Mounting by Hooking the Speaker onto Screws

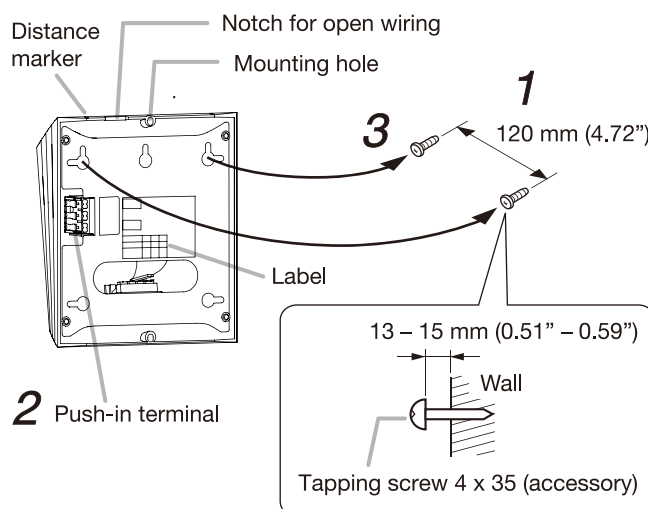
Note The speaker can be installed in a vertical or horizontal orientation.

Step 1. Mount the 2 supplied wood screws to the wall 120 mm (4.72") apart, leaving the heads projecting 13 - 15 mm (0.51" - 0.59") from the wall surface.

Step 2. Connect the speaker cable to the speaker's push-in terminal block.

Note: Bridge wiring can also be performed. For more information on connection procedures, refer to the section "CONNECTIONS."

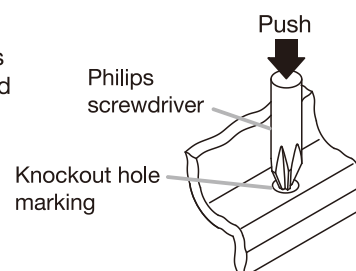
Step 3. Using the distance markers provided on the top of the speaker, align the mounting holes in the rear panel of the speaker with the protruding screws, and hang the speaker on the wall.



3.2. Wall Mounting by Directly Screwing the Speaker

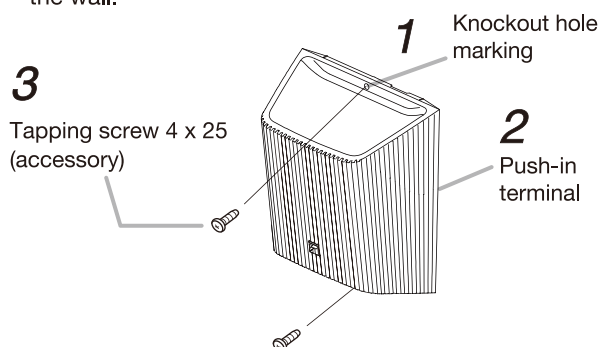
Step 1.

The cabinet has knockout holes (ø5 mm or ø0.20") in the top and the bottom, for mounting wall. Philips screwdriver tip pressed to the knockout hole and opening the hole.

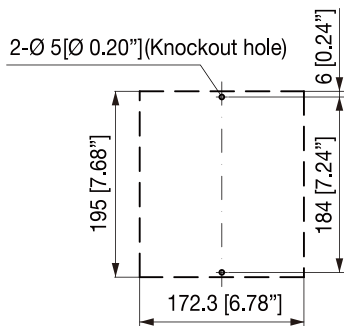


Step 2. Connect the speaker cable to the push-in terminal block. **Note:** Bridge wiring can also be performed. For more information on connection procedures, refer to the section "CONNECTIONS".

Step 3. Using the 2 supplied tapping screws, fix the speaker to the wall.



[Cabinet mounting dimensions]

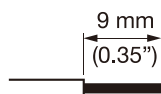


4. CONNECTIONS

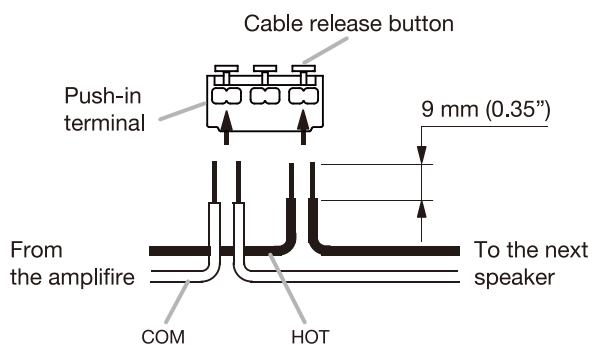
Use the following cables for connections.

- Solid wire: $\phi 0.8$ to $\phi 1.6$ mm (AWG 20 – 14)
- Stranded wire (7-core): 0.75 to 1.25 mm (AWG 18 – 16)

Step 1. Using the cable strip gauge printed on the label, trim cable sheath 9 mm (0.35") from cable end.



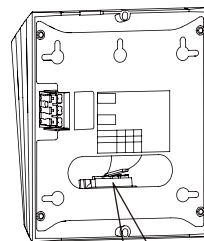
Step 2. Insert the lead-in cables (cables from the amplifier) and lead-out cables (cables to other speakers) into the push-in connector attached to the cabinet. Insert the cable fully into the square hole in the terminal block.



Step 3. To remove the cable, pull it out while pressing the terminal block button.

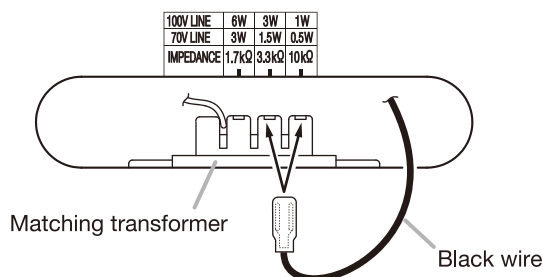
5. INPUT CHANGE

To change impedance, change the tap position of the transformer.

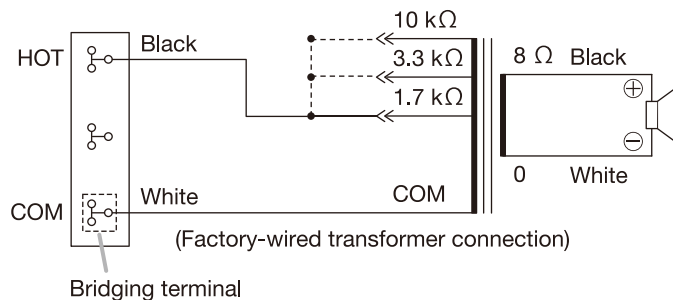


Factory-preset is the 1.7 k Ω terminal.

To change the factory presetting (1.7 k Ω), detach and reconnect the black wire to the 3.3 k Ω or 10 k Ω terminal.



6. WIRING DIAGRAM



7. SPECIFICATIONS

Rated Input	6 W (100 V line), 3 W (70 V line)
Rated Impedance	100 V line: 1.7 k Ω (6 W), 3.3 k Ω (3 W), 10 k Ω (1 W) 70 V line: 1.7 k Ω (3 W), 3.3 k Ω (1.5 W), 10 k Ω (0.5 W)
Sensitivity	91 dB at 1 W, 1 m
Frequency Response	120 – 15,000 Hz
Speaker Component	12 cm (5") cone-type
Usable Cable	Solid wire: $\phi 0.8$ – $\phi 1.6$ mm (AWG 20 – 14), 7-core twisted wire: 0.75 – 1.25 mm ² (AWG 18 – 16)
Connection	Push-in connector (bridging terminal)
Operating Temperature	–10°C to +50°C (14°F to 122°F)
Finish	Case: HIPS resin, off white, Rear board: HIPS resin, natural
Dimensions	172.3 (w) x 192.6 (h) x 103.3 (d) mm or 6.78" x 7.58" x 4.07"
Wall Mounting Dimensions	Front fixing hole spacing: 184 mm (7.24"), Rear hook hole spacing: 120 mm (4.72")
Weight	770 g (1.70 lb)
Accessories	Tapping screw 4 x 25 2, Tapping screw 4 x 35 2

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



TOA Corporation

URL: <http://www.toa.jp/>

570.100601-TO V.1