

# TOA

## CEILING SPEAKER

## INSTALLATION MANUAL

### PC-1868D-CH PC -1868HK2, PC-1868TET PC -1868SW2, PC-1868BK2

#### SAFETY PRECAUTIONS

Be sure to follow at the precautionary instructions in this section, which contain important warnings and/or cautions regarding safety

#### WARNING

Indicates a potentially hazardous situation which, if mishandled, could result in death or serious personal injury.

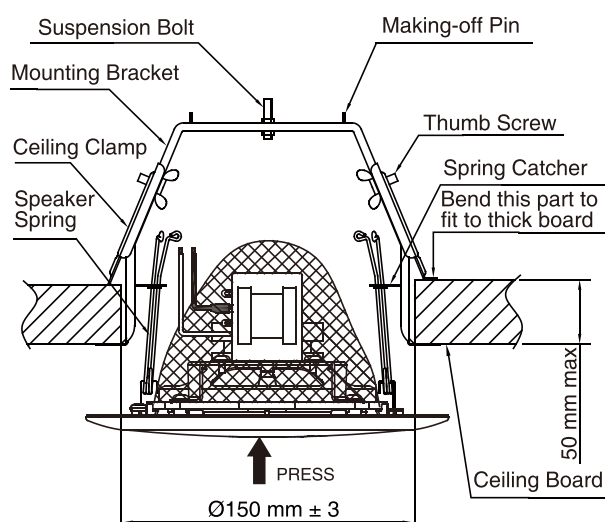
- Install the speaker only in a location that can structurally support the weight of the speaker and the mounting bracket
- Tighten all thumb screws securely.
- Do not install the speaker in outdoor or place near the sea and indoor swimming pool. The parts are corroded, causing the speaker to fall.

#### CAUTION

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

- Do not touch the sharp edge of metal fittings.
- To avoid electric shocks, be sure to switch off the amplifier power when connecting the speaker.

#### INSTALLATION



The figure is show for PC-1868D-CH

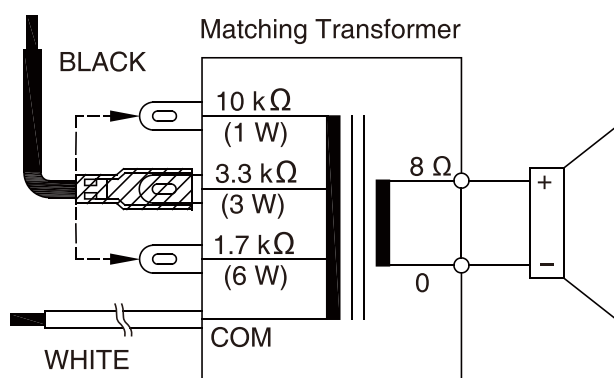
- Place the mounting bracket in the hole and secure it with thumb screws in the two ceiling clamps. (Applicable thickness of ceiling board is 50 mm maximum). A suspension bolt may be used instead for fixing the mounting bracket.
- Hook one speaker spring (V-Shaped spring) in the spring catcher of the bracket.
- Connect the cables ends (Black and White cables) to other cables of same colors for parallel connections. Insulate the cable joined parts with insulating tape for safety.
- The total power of all connected speakers must be equal to smaller than the amplifier output.
- Hook another speaker spring in another catcher. Then, press the speaker assembly into the mounting bracket. Force of the springs will keep the speaker in place.

#### IMPEDANCE CHANGE

Factory preset impedance is 3.3 k $\Omega$  (PC-1868D-CH, PC-1868SW2 and PC-1868BK2) or 1.7 k $\Omega$  (PC-1868HK2 and PC-1868TET). To change the impedance, please change the terminal of matching transformer with faston terminal.

Impedance	100 V Line	70 V Line
1.7 k $\Omega$	6 W	3 W
3.3 k $\Omega$	3 W	1.5 W
10 k $\Omega$	1 W	0.5 W

#### WIRING DIAGRAM



Input power indication is 100 V line  
The figure is show for PC-1868D-CH,  
PC-1868SW2 and PC-1868BK2.

- Make a 150 mm  $\pm$  3 diameter hole in the ceiling. Making-off pins provided on the mounting bracket will help scribe the circle of its diameter on the ceiling.

