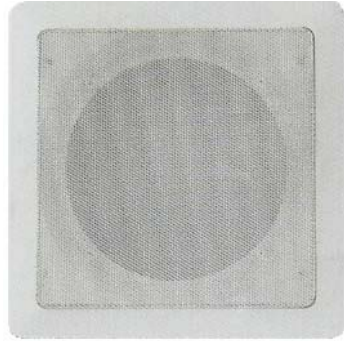# MCM CUSTOM AUDIO

6½" Ceiling/In–Wall Speaker System

Perfect for background music and paging in office facilities, waiting rooms, restaurants and similar environments, this square frame speaker is suitable for in–wall and ceiling use. Full–range, dual cone speaker is 8ohm and includes a 70V transformer for multi–speaker installations.

Prior to installation of the speaker, the perforated grill must be removed from the front of the mounting frame. This can be accomplished by holding the speaker in your hands, face down. Using mounting tabs in opposite corners, rotate the tabs so they freely move up and down. Push the tabs downward so the screw heads press against the inside of the speaker grille. Firmly push down on the tabs, forcing the speaker grille to pop off from the front.

Installation
- This speaker may be mounting either ceilings or walls. Use in drop ceilings is acceptable, however it is recommended the speaker be mounted 6" from the tile grid instead of centering, to prevent sagging of the tile.
- Using a drywall saw or similar tool, cut a 7.25" square hole in the mounting surface
- Rotate the four Philips head mounting screws so the mounting tabs are fully extended to the end of their mounting posts (away from the speaker frame).
- Rotate the mounting tabs fully clockwise (facing the back of the speaker) to ensure they are clear of the mounting frame.
- Connect the speaker wire to the correct transformer leads.
- Insert the speaker in to the cut square opening.
- Rotate the Philips head mounting screws clockwise (now facing the front of the speaker). This will cause the mounting clips to rotate into place.
- As you continue to rotate the Philips screws, the mounting clips will draw tight against the rear of the drywall or other mounting surface.
- Take care not to over tighten the Philips screws as this may cause the mounting tabs to break.
- Reinstall the perforated steel speaker grill to the front of the speaker.

Connections
The attached 70V transformer is designed for use in conventional distributed audio speaker systems. It may be tapped from 5W ~ 30W, depending upon specific requirements. Using the included twist wire connectors, attach the speaker wire to the desired transformer tap. Color code is as follows:

Brown: Common (–)
White: 30W
Blue: 20W
Red: 10W
Black: 5W

It is also possible to use this speaker in conventional 8Ω applications. To do so, simply clip the red and black leads extending from the transformer to the speaker. Be sure to cut these near the transformer to ensure sufficient lead length. Remove ⅜" of insulation from the end of the wire leads. Connect these leads as you would any conventional 8Ω speaker. At this point, the transformer is not used and may be removed from the speaker and discarded if desired.

Specifications:
- Power capacity: 30W
- Frequency response: 90Hz~18KHz
- Sensitivity: 89dB

Dimensions:
- Overall frame dimensions: 8.67" x 8.67"
- Required cutout: 7.25" x 7.25"
- Mounting depth: 3.25"

Model #555-8570
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