

Ceiling Mounting:

Once the wattage tap is determined for the speaker, and you have pre-run speaker wire through the ceiling, the speaker system can be connected through the push terminals on the back of the speaker. Check your local regulations to ensure you are using the proper speaker wire (i.e., UL or plenum requirements), but generally 14-2 unshielded wire will be OK.

For a commercial application, the speaker wiring technique must utilize a parallel run. Never use a series run with commercial speakers.

After connecting the speaker to the wires of the pre-wired ceiling, it is very important that you mount speakers correctly when installing in the ceiling.

First, take the accompanying die-cut out and trace the outline on the ceiling/ceiling tile where you desire to mount the speaker. Making absolutely sure that the speaker location is free of electrical wires, phone wires, cable wires and other construction concerns, carefully cut out the pre-traced speaker circle in your ceiling to establish the mounting hole.

On drop ceilings, where ceiling tile is used as the mounting base, it is critical that you support the weight of these speakers. Speco Technologies has ceiling bracket supports specifically made for this reason: The BRC6F for the SP5MAT/SP5MATB and the BRC8F for the SP6MAT/SP6MATB. Not using bracket supports in the ceiling could result in drooping ceilings and/or serious injury. Speco Technologies is not responsible for injury or liability resulting from improperly installed speakers.

For both sheetrock and tile applications, a metal security loop is provided on the back of the speaker where a safety cable can be run through to secure all the speakers to a sturdy anchor in the ceiling or building structure.

Once the speaker is placed in the ceiling, tighten clockwise the four screws on the faceplate. This will secure the claps down behind the speaker and secure it for use.

Upon securing your speaker, replace the grille.

Warranty:

Speco Technologies offer a limited LIFETIME warranty on their indoor speakers. Please reference the Website for complete details of warranty.

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Owner's Manual for Models:

SP5MAT
SP5MATB
SP6MAT
SP6MATB



70/25V Commercial Speaker System

Congratulations on your purchase of Speco Technologies Multi-Application 70/25V Commercial Speaker System!

The **MA Series** continues Speco Technologies' heritage of more than sixty years of providing the highest quality of performance and reliability for residential and commercial sound applications

Speco Technologies' Multi-Application (MA) Series was designed with the focus of making the contractor's work as easy and time-efficient as possible.

Our all-in-one unit, pre-assembled with a backcan and mounted transformer, features a quick-flip 70 or 25 Volt selector switch and an easy-select transformer wattage dial featuring the choice of 8 or 9 individual wattage tap settings covering your complete range of needs.

This flame retardant ABS unit also comes with insulated wires and has an attached metal safety loop and easy mount tabs for securing the unit.

The MA Series is the ideal all-purpose, value sound solution covering a wide range of applications in commercial sound, and, with a furnished 8 Ohm tap selection, can be kept readily on hand to meet any of your unexpected sound installation needs.

MA Series Specifications

Item Code: SP5MAT or SP5MATB (Black version)

- 5.25" Polypropylene Woofer with Rubber Surround
- 1" Mylar Tweeter
- Frequency: 57Hz~20kHz
- 30 Watt RMS/ 60 Watt Max
- Sensitivity: 87db 1w/1m
- Impedance: 8 Ohms
- Weight: 4.5 Lbs.
- Transformer: 70/25V
- Transformer Settings: 30, 15, 7.5, 5, 2.5, 1, 0.5, 0.25W, 8 Ohms

Item Code: SP6MAT or SP6MATB (Black version)

- 6.5" Polypropylene Woofer with Rubber Surround
- 1" Mylar Tweeter
- Frequency: 34Hz~20kHz
- 40 Watt RMS/ 80 Watt Max
- Sensitivity: 88db 1w/1m
- Impedance: 8 Ohms
- Weight: 5.5 Lbs.

- Transformer: 70/25V
- Transformer Settings: 40, 30, 15, 7.5, 5, 2.5, 1, 0.5, 0.25W, 8 Ohms

Speaker Construction

Your Speco Technologies MA Series Speakers' enclosure, consisting of the face plate and backcan, is constructed of sturdy, flame-retardant ABS resin. The internal wires are insulated for your protection as well. Speco Technologies takes great pride in the craftsmanship and design of our speakers and the resulting quality will ensure years of enjoyment and performance.

Connecting and Mounting Your Speakers:

Please read the following directions for connecting and mounting your MA Series speakers.

Connecting:

It is important that before making any connections with the speaker terminals on your MA Speakers, that your power source, amplifier and/or receiver is completely off.

First, determine the purpose that your MA Series sound system speaker will be used for by determining whether it will be used in a 70 Volt, 25 Vole or 8 Ohms application.

Remove the speaker's grille by pressing the easy-mount tabs on the side of the speaker to the left and then upwards. Do this evenly on each side until the grille can be grasped and taken off by hand. Be careful not to bend the grille.

Once you have removed the grille and determined your application, if used for a 70 or 25V application, adjust the 25/70V selector switch on the speaker's faceplate to the desired voltage.

Upon completing this task, determine which wattage tap best meets the sound need of the environment the speaker will be utilized in. Usually, a wattage tap dial set at 1W to 2.5W is an ideal level for background music in an office environment. The higher wattage taps above 5W are utilized when a higher volume for the speaker is needed to offset a louder environment. After determining your need, gently turn the wattage dial on the faceplate of the speaker so that the indicator is aligned with the desired wattage tap.

For an 8 Ohms speaker requirement, turn the dial tap to the 8 Ohms indication. This automatically overrides the transformer within the unit and the Voltage Selector switch on the faceplate.