

## Wall 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 speakers. A 14 gauge, shielded UL listed wire is recommended for in-ceiling use. You will connect your positive wire through the red push terminal on the back of your speaker, and the common speaker wire to the black push terminal on the back of the speaker.

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 ceiling where speaker is desired. 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 brackets supports specifically made for this reason, the RBC-6F for the SP-5MA/T and the RBC-8F for the SP-6MA/T. 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 for mis-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 and secure all the speakers to a sturdy anchor in the ceiling.

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

Upon securing your speaker system, replace the grille.

## Warranty:

Speco Technologies offers a limited 15-year warranty on their indoor speakers. Please reference the enclosed warranty card for complete details of warranty.



Owner's Manual for Models:

**SP-5MA/T**  
**SP-6MA/T**



**70/25V**  
**Commercial**  
**Speaker**  
**System**



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

**The MA Series** continues Speco Technologies' heritage of more than forty 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 back can 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 selector, can be kept readily on hand to meet all your unexpected sound installation needs.

### **MA Series Specifications:**

#### **Item Code: SP-5MA/T**

#### **5.25" 70/25V Commercial Speaker System Specifications:**

- 5.25" Polypropylene with Rubber Surround
- 1" Mylar Tweeter
- Frequency 57Hz-20kHz
- 30 Watt RMS/ 60 Watt Max
- Sensitivity 87 db 1w/1m
- Impedance 8 ohms
- Weight 4.5 lbs.
- Transformer 70/25 Volt
- Transformer Settings 30, 15, 7.5, 5, 2.5, 1, .50, .25, 8 ohm

#### **Item Code: SP-6MA/T**

#### **6.5" 70/25V Commercial Speaker System Specifications:**

- 6.5" Polypropylene with Rubber Surround
- 1" Mylar Tweeter
- Frequency 34Hz-20kHz
- 40 Watt RMS/ 80 Watt Max
- Sensitivity 88 db 1w/1m
- Impedance 8 ohms
- Weight 5.5 lbs.
- Transformer 70/25 Volt
- Transformer Settings 40, 30, 15, 7.5, 5, 2.5, 1, .50, .25, 8 ohm

### **Speaker Construction:**

Your Speco Technologies' MA Series Speakers' enclosure, consisting of the face plate and back can, 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 Volt or 8 ohm application.

Remove the speaker's grille by pressing the easy mount tabs on the side of the speaker to the left and then upward. Do this evenly on each side until the grille can be grasped to be 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 25 Volt application, adjust the 25V/70V selector switch on the speaker's faceplate to the desired 70 Volt or 25 Volt application.

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 "1.0W" - "2.5W" will be utilized for background music in an office place setting. The higher wattage taps "5.0W" - "30.0W/40.0W" 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 ohm speaker requirement, turn dial tap to the 8 ohm indication. This automatically overrides the transformer within the unit and the Voltage Selector switch on the faceplate.

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