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Winslow, IL 61089  
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## MODEL 622CM / MODEL 822CM OWNER'S MANUAL

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21A6502

## CONGRATULATIONS

We appreciate your choice of MTX In-Ceiling Speakers. Properly installed and operated, MTX In-Ceiling Speakers should provide years of worry-free listening pleasure. It's important that you follow each step in this guide carefully to insure proper installation.

<b>SPECIFICATIONS</b>	<b>MODEL 622CM</b>	<b>MODEL 822CM</b>
<b>Frequency Response</b>	64Hz-20kHz ±3dB	40Hz-20kHz ±3dB
<b>Impedance</b>	8 ohms nominal	8 ohms nominal
<b>Power Handling</b>	35 Watts RMS 70 Watts Peak Music	45 Watts RMS 90 Watts Peak Music
<b>Sensitivity (1W/1m)</b>	84dB	84dB
<b>Woofers Diameter</b>	6-1/2"	8"
<b>Tweeter</b>	(2) 1/2" Balanced Dome	(2) 1/2" Balanced Dome
<b>Mounting Depth</b>	3-5/16"	3-3/4"
<b>Baffle Diameter</b>	9"	10-3/4"

## PAINTING YOUR MTX IN-CEILING SPEAKERS

MTX In-Ceiling Speakers are designed to accept all types of interior and exterior paints. Spray or roller application should provide excellent results. A paint shield is included with all MTX In-Ceiling Speakers to protect the speakers during the painting process.

## MTX WARRANTY INFORMATION

All MTX In-Ceiling Speakers purchased in the United States from an authorized MTX dealer are guaranteed against defects in material and workmanship for a period ten years from the date purchased by the end user, and limited to the original retail purchaser of the product.

MTX disclaims any liability for other incurred damages resulting from product defects. Any expenses incurred in the removal and reinstallation of product is not covered by this warranty. MTX's total liability will not exceed the purchase price of the product. This warranty is valid in the United States only.

Proof of purchase is required when requesting service, so please retain your sales receipt and take a moment to register your warranty on line at [www.mtx.com](http://www.mtx.com).

## OTHER PRODUCTS FROM MTX

### In-Wall Loudspeakers

#### MODEL 520W

5-1/4" Two-Way In-Wall Speaker  
25mm Soft Dome Tweeter  
Impedance: 8 ohms nominal  
Sensitivity: 84dB  
50W RMS/100W Peak Music  
Frequency Response: 53Hz-20kHz  
11"H x 7 1/2"W x 2 1/2"D

#### MODEL 825W

8" Two-Way InWall Speaker  
25mm Soft Dome Tweeter  
Impedance: 8 ohms nominal  
Sensitivity: 86dB  
60W RMS/120W Peak Music  
Frequency Response: 36Hz-20kHz  
14 1/16"H x 10 1/16"W x 3 1/2"D

### Home Loudspeakers

#### MONITOR6

6-1/2" Two-Way Home Loudspeaker  
19mm Dome Tweeter  
Impedance: 8 ohms nominal  
Sensitivity: 89dB  
100W RMS/200W Peak Music  
Frequency Response: 55Hz-20kHz  
12 3/4"H x 7 1/2"W x 8 1/2"D

#### MONITOR10

10" Three-Way Home Loudspeaker  
19mm Dome Tweeter  
Impedance: 8 ohms nominal  
Sensitivity: 92dB  
200W RMS/400W Peak Music  
Frequency Response: 30Hz-20kHz  
31 7/16"H x 11 1/8"W x 14 5/16"D

#### MODEL 625W

6-1/2" Two-Way In-Wall Speaker  
25mm Soft Dome Tweeter  
Impedance: 8 ohms nominal  
Sensitivity: 85dB  
55W RMS/110W Peak Music  
Frequency Response: 55Hz-20kHz  
12 1/16"H x 8 9/16"W x 2 7/8"D

#### MONITOR6C

6-1/2" Center Channel Loudspeaker  
19mm Dome Tweeter  
Impedance: 8 ohms nominal  
Sensitivity: 92dB  
100W RMS/150W Peak Music  
Frequency Response: 60Hz-20kHz  
7 1/2"H x 17 5/8"W x 8"D

#### MONITOR12

12" Three-Way Home Loudspeaker  
19mm Dome Tweeter  
Impedance: 8 ohms nominal  
Sensitivity: 94dB  
250W RMS/500W Peak Music  
Frequency Response: 25Hz-20kHz  
35"H x 13 1/8"W x 16 1/16"D

## TECHNICAL ASSISTANCE

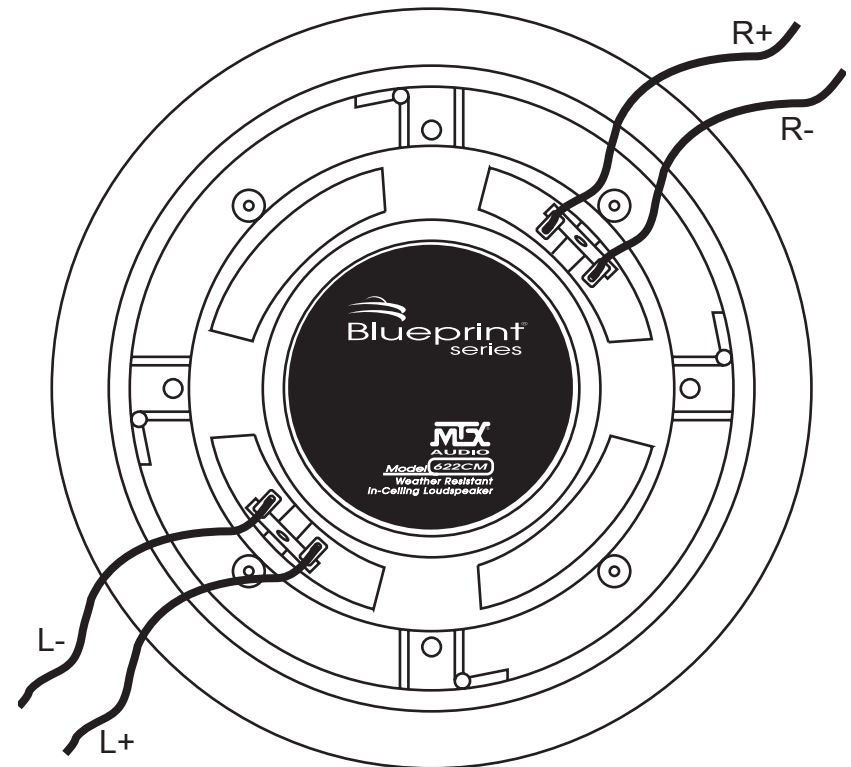
For additional technical assistance you can visit our website at [www.mtx.com](http://www.mtx.com). Otherwise, our technical service representatives can be reached by phone: 1-800-CALL-MTX or by email: [technical@mtx.com](mailto:technical@mtx.com).

## FEATURES

The MODEL 622CM and MODEL 822CM MTX In-Ceiling Speakers are designed for use in small rooms or anywhere that both channels of a stereo signal need to be reproduced while taking up a minimum amount of space.

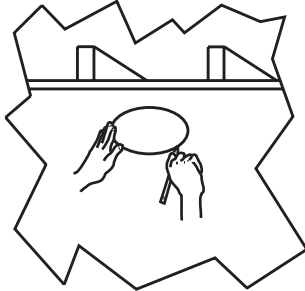
Both models utilize a unique dual voice coil woofer design that allows both channels of a stereo system to drive one cone. This feature coupled with a dual tweeter system allow this unit to operate as two speakers in one.

This unit is of a water resistant design and therefore can be used in high humidity areas such as a bathroom or laundry room.



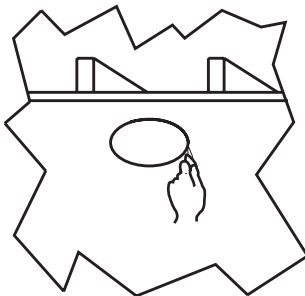
### STEP 1

Using a stud finder (available at low cost at most hardware stores) or other accurate method, locate center point between two joists and mark. Using template provided, trace hole pattern on surface of ceiling



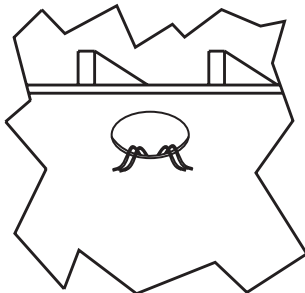
### STEP 2

Using a sabre saw, keyhole saw or very sharp utility knife, cut hole in wall, following traced pattern.



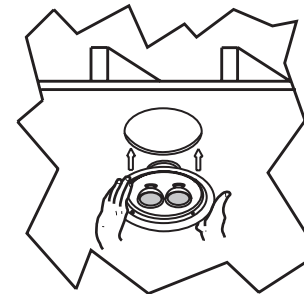
### STEP 3

Run loudspeaker wires to sound source location. There are several methods you can use to accomplish wiring, depending on the construction characteristics of the room or house. You can add a professional touch to your installation by using a speaker terminal plate at the source location. Leave sufficient amount of wire at speaker location (8 to 10 inches) to complete connection.



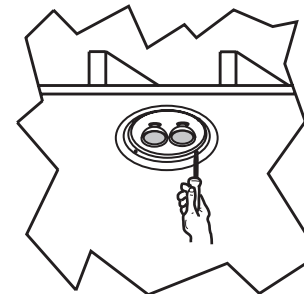
### STEP 4

Attach loudspeaker wires to speaker terminals, observing correct polarity, and position speaker frame up into cutout. Be careful not to pinch wires in the process.



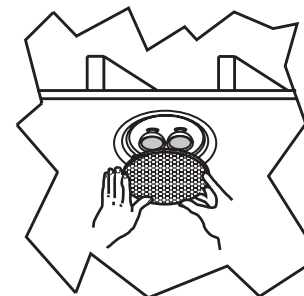
### STEP 5

Carefully tighten the four mounting screws. This will cause the mounting wings to rotate out behind the mounting surface and secure the speaker in place.



### STEP 6

After the speaker panel is secured tightly, test for sound. When you are satisfied the speaker is operational, affix grill. As grill is designed for a snug fit, you'll need to position one edge into slot first, and press or squeeze around perimeter of grill, while pushing leading edges into grill slot.



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