

**MODEL 512C/ MODEL 612C
and MODEL 812C**

OWNER'S MANUAL



1 Mitek Plaza
Winslow, IL 61089
815-367-3000
800-225-5689

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.

SPECIFICATIONS	MODEL 512C	MODEL 612C	MODEL 812C
Frequency Response	72Hz-20kHz ±3dB	50Hz-20kHz ±3dB	40Hz-20kHz ±3dB
Impedance	8 ohms nominal	8 ohms nominal	8 ohms nominal
Power Handling	30 Watts RMS 60 Watts Peak Music	35 Watts RMS 70 Watts Peak Music	45 Watts RMS 90 Watts Peak Music
Sensitivity (1W/1m)	85dB	85dB	85dB
Woofers Diameter	5-1/4"	6-1/2"	8"
Tweeter	1/2" Balanced Dome	1/2" Balanced Dome	1/2" Balanced Dome
Mounting Depth	3-5/16"	3-1/8"	3-3/4"
Baffle Diameter	7-3/4"	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 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.

OTHER PRODUCTS FROM MTX

In-Wall Loudspeakers

MODEL 625W

6-1/2" Two-Way In-Wall Speaker
25mm Soft Dome Swivel Tweeter
Impedance: 8 ohms nominal
Sensitivity: 85dB
55W RMS/110W Peak Music
Frequency Response: 48Hz-20kHz
12"H x 8 5/8"W x 3 1/4"D

MODEL 825W

8" Two-Way In-Wall Speaker
25mm Soft Dome Swivel Tweeter
Impedance: 8 ohms nominal
Sensitivity: 86dB
60W RMS/120W Peak Music
Frequency Response: 36Hz-20kHz
14"H x 10"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

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

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

MONITOR12

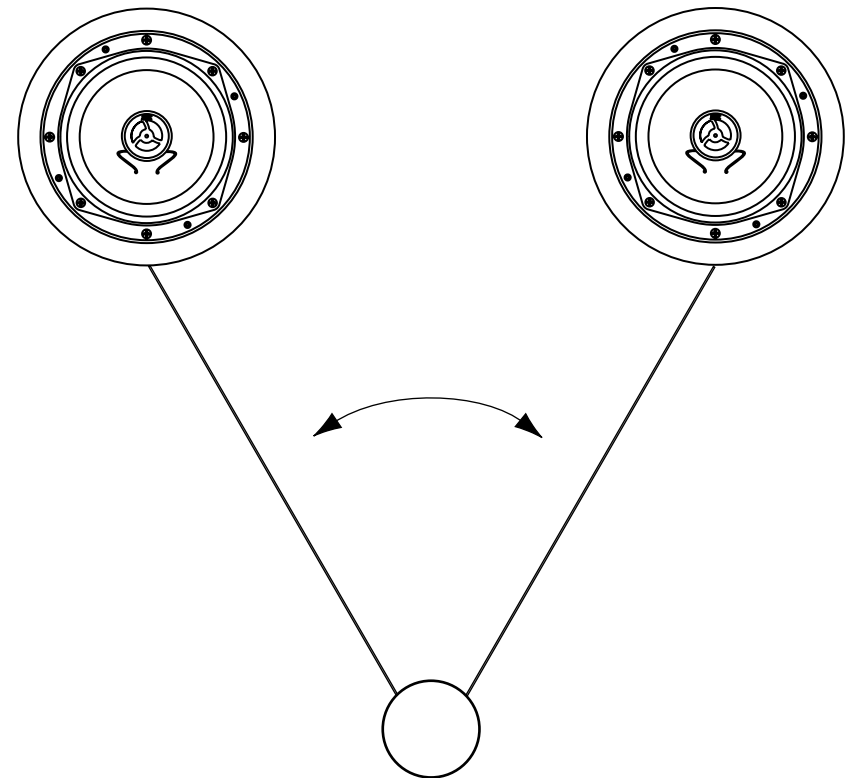
12" Three-Way Home Loudspeaker
19mm Dome Tweeter
Impedance: 8 ohms nominal
Sensitivity: 94dB
250W RMS/500W Peak Music
Frequency Response: 25Hz-20kHz
35"H x 13 1/8"W x 16 1/16"D

TECHNICAL ASSISTANCE

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

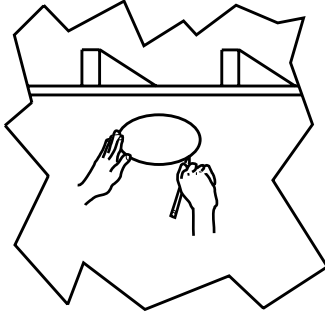
LOUDSPEAKER PLACEMENT

MTX In-Ceiling Speakers are designed to work within any interior decorating scheme. They can be installed in virtually any location where flush mounting is possible. To maximize their sound performance however certain guidelines should be followed. For the best stereo reproduction the two loudspeakers should be placed an equal distance from your listening position and separated so that the angle between them, at the listening position, is between 40 and 60 degrees.



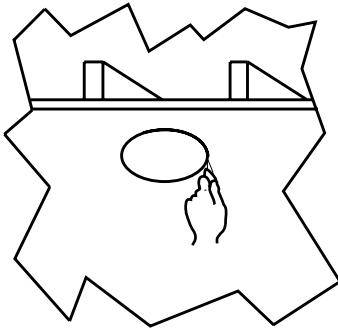
STEP 1

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



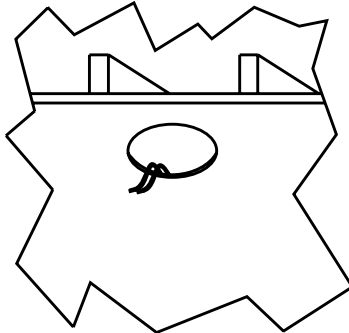
STEP 2

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



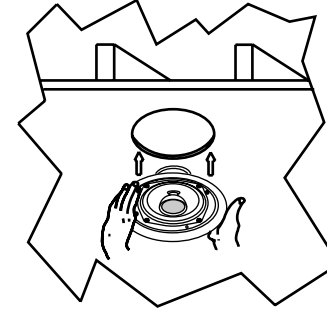
STEP 3

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.



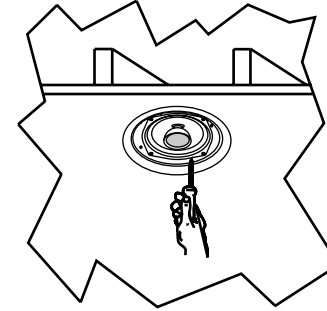
STEP 4

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 the MODEL 612C and MODEL 812C grills are 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. The MODEL 512C grill can be installed into the speaker frame for either a standard flush mount cosmetic appearance or a recessed look similar to coilex type of light fixture. After deciding which look is preferred press the grill into the frame until the leading edge is flush.

