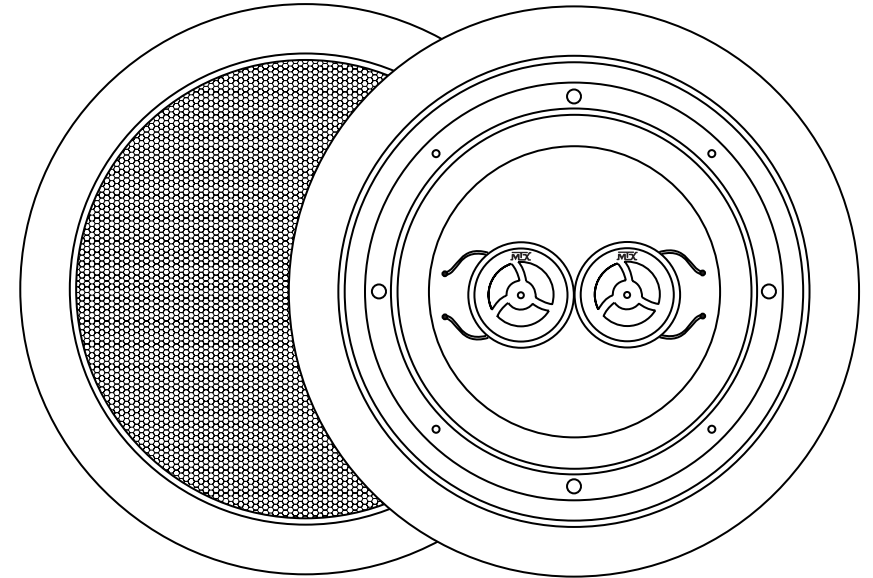


# MX Blueprint<sup>®</sup> series



FIRST  
CLASS  
STAMP  
HERE

**MODEL 622CM**  
**MODEL 822CM**

**WATER RESISTANT  
IN CEILING LOUDSPEAKER**

**OWNERS MANUAL**



4545 E BASELINE RD  
PHOENIX AZ 85040-6400



## CONGRATULATIONS

We appreciate your choice of MTX Blueprint Series In-Ceiling Loudspeakers. Properly installed and operated, MTX In-Ceiling Loudspeakers should provide years of worry-free listening pleasure. It's important that you follow each step in this guide carefully to insure proper installation. If you have any questions regarding MTX In-Ceiling Loudspeakers, please call us at 1-800-223-5266.

SPECIFICATIONS	MODEL 622CM	MODEL 822CM
<b>Frequency Response</b>	64-20kHz	40-20kHz
<b>Impedance</b>	8 Ohms	8 Ohms
<b>Nom. Power Handling</b>	35 Watts RMS	45 Watts RMS
<b>Total Power Handling</b>	140 Watts	180 Watts
<b>Sensitivity</b>	84dB	84dB
<b>Woofers Diameter</b>	6 1/2"	8"
<b>Woofers Cone</b>	Injection Molded Polypropylene	Injection Molded Polypropylene
<b>Tweeter</b>	(2)1/2" Balanced Dome	(2)1/2" Balanced Dome
<b>Mounting Depth</b>	3 5/16"	3 3/4"
<b>Grill</b>	Aluminum Mesh	Aluminum Mesh
<b>Woofers Surround</b>	Butyl	Butyl
<b>Hardware</b>	Stainless Steel	Stainless Steel

## PAINTING YOUR MTX IN-WALLS

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 Blueprint Series In-Ceiling speakers to protect the speakers during the painting process.

## WARRANTY

MIX Blueprint Series In-Ceiling Loudspeakers are guaranteed against defects in parts and workmanship for a period of ten (10) years from the date of purchase. Speakers found defective during that period will be repaired by MIX without charge for parts.

This warranty is void if it is determined that unauthorized parties have attempted repairs or alterations of any nature. Before assuming that a defect is present in the loudspeakers, be certain that all associated equipment is operating properly.

If a defect is present, your authorized MIX dealer may be able to effect repairs. If not, you are responsible for providing transportation to the factory. Your MIX dealer can recommend the safest method of transportation. Proof of purchase is required when requesting service, so please retain your sales slip.

Specifications subject to change without notice.

(Cut out on dotted line and mail to address on reverse side.)

### WARRANTY REGISTRATION

To register your purchase and insure your investment, please fill out and return this card

NAME \_\_\_\_\_ AGE \_\_\_\_\_

ADDRESS \_\_\_\_\_

MODEL PURCHASED  MODEL 622CM  MODEL 822CM

DATE PURCHASED \_\_\_\_\_

DEALER NAME \_\_\_\_\_

PURPOSE:  Main Music Listening  Background  Video/surround

Other \_\_\_\_\_

ROOM(S) INSTALLED \_\_\_\_\_

INSTALLED BY \_\_\_\_\_

HOW DID YOU FIRST LEARN OF MTX IN-WALLS?

Dealer  Friend  Magazine  Radio  Newspaper  Other

## OTHER BLUEPRINT SERIES PRODUCTS FROM MTX

MTX offers a wide assortment of audio components. Ranging from in-wall speakers to amplifiers to accessories. Each component is value engineered and must meet strict quality control standards before it becomes part of the MTX product line.

Listed below you will find a sampling of MTX components available from your authorized Blueprint Series dealer.

## IN-WALL LOUDSPEAKERS

### MODEL 520W

5-1/4" Two-Way In-Wall Speaker  
1" Soft Dome Tweeter  
8 Ohm Impedance/84dB Sensitivity  
53Hz-20kHz Frequency Response  
50 Watts RMS/160 Watts Total  
11"H x 7-1/2"W x 2-1/2"D

### MODEL 620W

6-1/2" Two-Way In-Wall Speaker  
1" Soft Dome Tweeter  
8 Ohm Impedance/85dB Sensitivity  
43Hz-20kHz Frequency Response  
55 Watts RMS/180 Watts Total  
12-1/16"H x 8-9/16"W x 2-7/8"D

### MODEL 820W

8" Two-Way In-Wall Speaker  
1" Soft Dome Tweeter  
8 Ohm Impedance/86dB Sensitivity  
33Hz-20kHz Frequency Response  
60 Watts RMS/200 Watts Total  
14-1/16"H x 10-1/16"W x 3-1/2"D

### MODEL 502W

5-1/4" Two-Way In-Wall Speaker  
1/2" Polycarbonate Dome Tweeter  
8 Ohm Impedance/84dB Sensitivity  
53Hz-20kHz Frequency Response  
45 Watts RMS/140 Watts Total  
11"H x 7-1/2"W x 2-1/2"D

### MODEL 602W

6-1/2" Two-Way In-Wall Speaker  
1/2" Polycarbonate Dome Tweeter  
8 Ohm Impedance/85dB Sensitivity  
43Hz-20kHz Frequency Response  
50 Watts RMS/160 Watts Total  
12-1/16"H x 8-9/16"W x 2-7/8"D

### MODEL 600WM

6-1/2" Water Resistant Co-Axial In-Wall Speaker  
1/2" Polycarbonate Dome Tweeter  
8 Ohm Impedance/88dB Sensitivity  
64Hz-20kHz Frequency Response  
35 Watts RMS/140 Watts Total  
8-5/8"H x 8-5/8"W x 2-3/4"D

## SPEAKER/AMPLIFIER SELECTOR

### LPS-600

Accommodates up to 6 pair of speakers  
Handles up to 250 Watts/channel continuous (RMS)  
Impedance Protection Circuitry  
Low profile-full size component  
Two-piece, plug in connectors on the rear panel  
Accommodates up to 14 gauge wire  
TV-5 UL Approved Switches  
A/B Amplifier and Input Selector

## ACCESSORIES

### VC-30B/VC-30W

Decora-Style Volume Control (Bone or White)  
10 Step 25 Watts per channel (RMS) 150 Watts Peak

### AB-1SB/AB-1SW

Decora-Style A/B Switch (Bone or White)

### PCK65C

Pre-Construction Kit for Model 610RCM

### PCK85C

Pre-Construction Kit for Model 810RCM

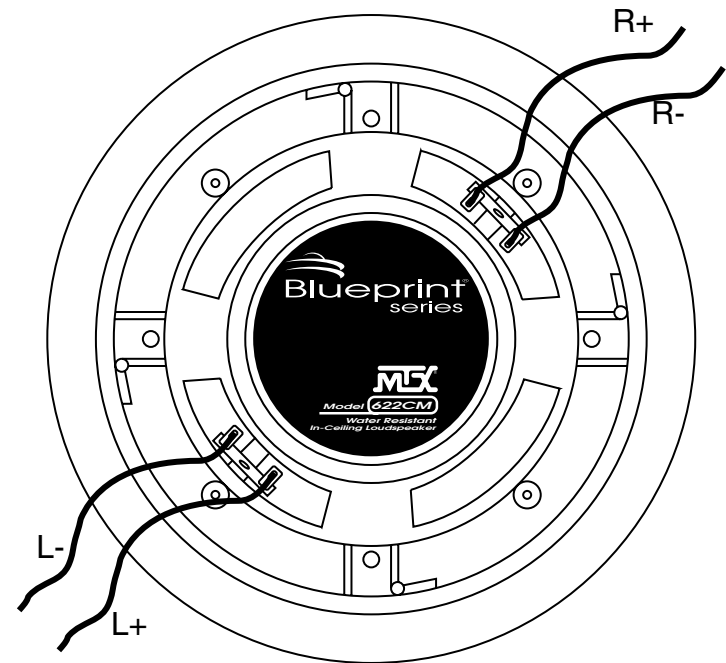
## FEATURES

The Model 622CM and Model 822CM 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.

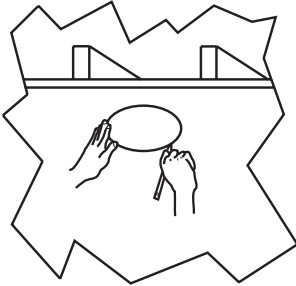
This unit is of a water resistant design and therefore can be used in high humidity areas such as a bathroom or laundry room.

## WIRING DIAGRAM



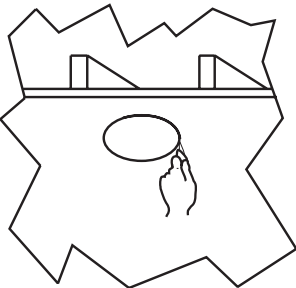
### STEP 1

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.



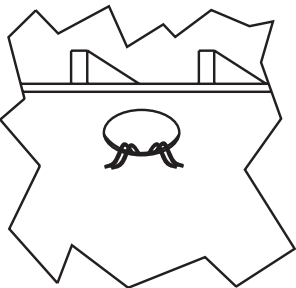
### STEP 2

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



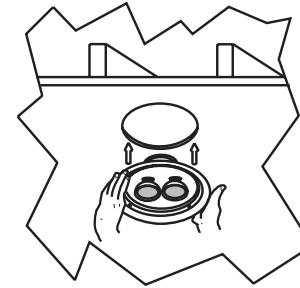
### STEP 3

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.



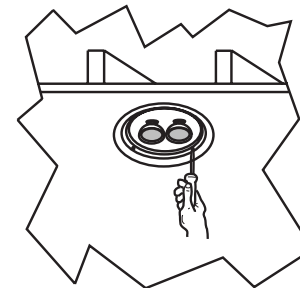
### STEP 4

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 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.

