

# *ElectroMotion® Architectural Series Overview*



*The all new ElectroMotion® Architectural Series features our award-winning compact Folded Motion™ thin film transducer technology, bringing a new standard in acoustical performance to in-wall and in-ceiling applications.*

Designed for those seeking the world's most articulate and dynamic multi-channel home theater systems, or simply a stealthy 2-channel system, the Architectural Series speakers are voice and timbre matched with one another, as well as the rest of the MartinLogan line of ultra-premium electrostatic and Folded Motion speakers.

MartinLogan's exquisite Folded Motion tweeter boasts a radiating surface 8-times larger than a typical 1" dome tweeter. The Folded Motion Tweeter works by moving air (which creates sound) perpendicular to the folded ridges of the diaphragm, similar to how an accordion works.



This extremely low mass diaphragm "squeezes" air and requires almost 90% less excursion than the typical 1" dome tweeter, which drastically minimizes distortion while providing a lightning fast response time. The increased surface area also provides a wide, yet controlled sound dispersion to create a realistic and carefully etched sound stage.

All models feature an ultra-low profile, micro perforated grille with no visible bezel, which are also paintable for a near invisible integration into any wall or ceiling. A magnetic system secures grilles easily into place, reducing the risk of warping or damage during installation.

# EM-R

## SPECIFICATIONS

### Frequency Response

37-25kHz  $\pm 3$ dB

### Horizontal Dispersion

80°

### Vertical Dispersion

80°

### Sensitivity

92 dB/2.83 volts/meter

### Nominal Impedance

4 Ohms. Compatible with 4, 6 or 8 ohm rated amplifiers.

### Recommended Amplifier Power

20-300 watts per channel

### Crossover Frequency

2,600 Hz

### High Frequency Transducer

1" x 1.4" (2.6cm x 3.6cm) Folded Motion Transducer with 5.25" x 1.75" (13.3cm x 4.4cm) diaphragm.

### Low Frequency Driver

8" (20.3cm) aluminum cone with cast aluminum basket. Concave dust cap.

### Weight

8lbs. (3.63kg) each

### Overall Dimensions

11.5" (29.3cm) Diameter

6" (15.2cm) Depth

### Cut-Out Dimensions

10.5" (26.7cm) Diameter

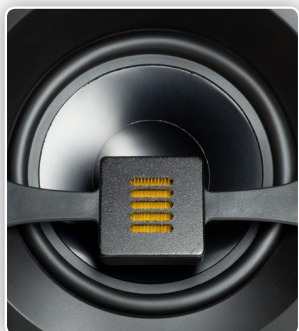
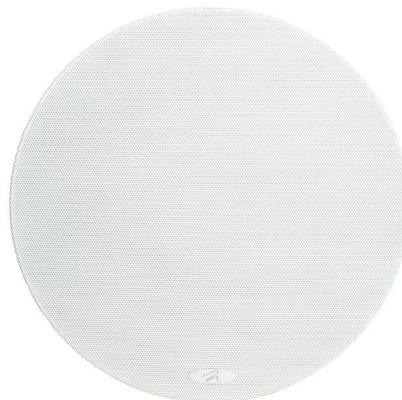
### Depth Required Behind Wall Surface

5.9" (15cm)

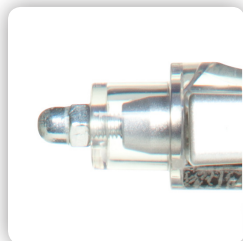
### Projection From Wall Surface

.125" (.3cm)

*Specifications are subject to change without notice.*



*The EM-R is a premium high-performance in-ceiling speaker that uses a larger 8-inch aluminum woofer and angled Folded Motion™ tweeter for ultimate-performance in-ceiling applications. The speaker is rotatable to aim sound.*



A robust mounting-lock system allows quick, trouble-free installation. When not in use, the constant-control mounting locks are held securely within a self-contained housing. When moved into place during installation, they couple the speaker's chassis firmly to the ceiling. And if the speaker is ever removed, the locks retract and latch themselves back in their housings.

Installers rejoice as the Folded Motion tweeter is mounted at an angle, allowing the entire speaker to rotate to aim sound precisely where you want it.

### Precision-Built, Advanced-Topology Vojtko™ Crossover

Carefully hand-built using only the finest polyester capacitors and air-core coils, the crossover employs MartinLogan's proprietary Vojtko topology for vanishingly low distortion and seamless driver integration. This precision-tuned network preserves even the most microscopic sonic nuances while handling the full dynamics of any source.

# EM-IC

## SPECIFICATIONS

### Frequency Response

47–25kHz ±3dB

### Horizontal Dispersion

80°

### Vertical Dispersion

80°

### Sensitivity

90 dB/2.83 volts/meter

### Nominal Impedance

4 Ohms. Compatible with 4, 6 or 8 ohm rated amplifiers.

### Recommended Amplifier Power

20-200 watts per channel

### Crossover Frequency

2,600 Hz

### High Frequency Transducer

1" x 1.4" (2.6cm x 3.6cm) Folded Motion Transducer with 5.25" x 1.75" (13.3cm x 4.4cm) diaphragm.

### Low Frequency Driver

6.5" (16.5cm) aluminum cone with cast aluminum basket. Concave dust cap.

### Weight

5lbs. (2.3kg) each

### Overall Dimensions

9.1" (23.1cm) Diameter

5.325" (13.5cm) Depth

### Cut-Out Dimensions

8.2" (20.8cm) Diameter

### Depth Required Behind Wall Surface

5.2" (13.2cm)

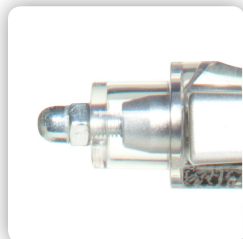
### Projection From Wall Surface

.125" (.3cm)

Specifications are subject to change without notice.



The EM-IC is a premium high-performance in-ceiling speaker that uses a 6.5-inch aluminum cone woofer and angled Folded Motion™ tweeter. The speaker is rotatable to aim sound.



A robust mounting-lock system allows quick, trouble-free installation. When not in use, the constant-control mounting locks are held securely within a self-contained housing. When moved into place during installation, they couple the speaker's chassis firmly to the ceiling. And if the speaker is ever removed, the locks retract and latch themselves back in their housings.

Installers rejoice as the Folded Motion tweeter is mounted at an angle, allowing the entire speaker to rotate to aim sound precisely where you want it.

### Precision-Built, Advanced-Topology Vojtko™ Crossover

Carefully hand-built using only the finest polyester capacitors and air-core coils, the crossover employs Martin Logan's proprietary Vojtko topology for vanishingly low distortion and seamless driver integration. This precision-tuned network preserves even the most microscopic sonic nuances while handling the full dynamics of any source.

# EM-IW

## SPECIFICATIONS

### Frequency Response

47–25kHz ±3dB

### Horizontal Dispersion

80°

### Vertical Dispersion

80°

### Sensitivity

90 dB/2.83 volts/meter

### Nominal Impedance

4 Ohms. Compatible with 4, 6 or 8 ohm rated amplifiers.

### Recommended Amplifier Power

20-200 watts per channel

### Crossover Frequency

2,500 Hz

### High Frequency Transducer

1" x 1.4" (2.6cm x 3.6cm) Folded Motion Transducer with 5.25" x 1.75" (13.3cm x 4.4cm) diaphragm.

### Low Frequency Driver

6.5" (16.5cm) aluminum cone with cast aluminum basket. Concave dust cap.

### Weight

5.5lbs. (2.5kg) each

### Overall Dimensions

11" (27.9cm) Height

8.5" (21.6cm) Width

3.925" (10cm) Depth

### Cut-Out Dimensions

10.25" (26cm) Height

7.875" (20cm) Width

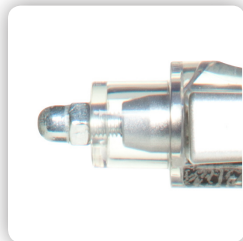
### Depth Required Behind Wall Surface

3.8" (9.7cm)

### Projection From Wall Surface

.125" (.3cm)

*Specifications are subject to change without notice.*



The EM-IW features our exotic Folded Motion™ tweeter and a 6.5-inch aluminum cone woofer with cast aluminum basket that provides powerful low-frequency bass extension.

A robust mounting-lock system allows quick, trouble-free installation. When not in use, the constant-control mounting locks are held securely within a self-contained housing. When moved into place during installation, they couple the speaker's chassis firmly to the ceiling. And if the speaker is ever removed, the locks retract and latch themselves back in their housings.

Installers rejoice as the Folded Motion tweeter is mounted at an angle, allowing the entire speaker to rotate to aim sound precisely where you want it.

### Precision-Built, Advanced-Topology Vojtko™ Crossover

Carefully hand-built using only the finest polyester capacitors and air-core coils, the crossover employs MartinLogan's proprietary Vojtko topology for vanishingly low distortion and seamless driver integration. This precision-tuned network preserves even the most microscopic sonic nuances while handling the full dynamics of any source.