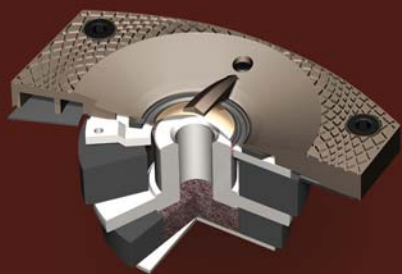


## STUDIO SERIES

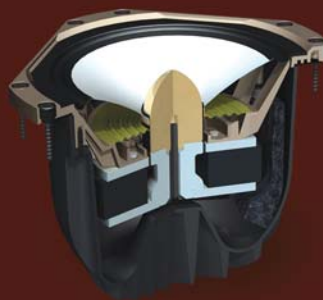
**P**aradigm® Reference Studio speakers offer the highest standard of technological excellence resulting in a breathtaking quality of music reproduction that captures the essence of the original sound.

Equally important is the speakers' performance in home theater. Movie soundtracks are a complex mix of dialog, music and action effects. This requires a level of articulation and spatial representation that few movie theaters are capable of reproducing. Studio speakers exceed typical high-end home theater sound by expanding the sheer size, scale and dynamics of the acoustic soundstage. While listening to a Paradigm® Reference Studio system *The Perfect Vision* magazine put it best: "It's just like being at the movies—except the sound is a lot better."\*

*\*Nicholas Bedworth, The Perfect Vision on the Studio 100*



Studio high-frequency driver



Studio midrange driver



Shown in Rosenut: Studio 10, Studio CC-490  
Stands: J-29 (sold separately)



## High-Frequency Drive Units

Designed, engineered and manufactured by Paradigm in North America, these remarkable drivers exhibit the timbral clarity and transparency otherwise associated with the best electrostatic or ribbon designs. Sonic reproduction is exceptionally smooth, detailed and free of spurious resonances.

- **G-PAL™ Gold-Anodized Pure-Aluminum Domes:**  
Exceptionally rigid low-mass domes with treated textile suspensions ensure remarkably uniform and instantaneous power response. The elevated position of the dome provides better 'air' and frequency response that is smooth, pure and clear.
- **Die-Cast Aluminum WaveGuide™ Chassis and Phase Alignment Bridge:**  
Promote maximally flat response, wide dispersion and accurate phase across a wide listening window.

- **High-Pressure Die-Cast Aluminum Chassis:**  
Eliminate mechanical flexing and ringing and provide a heatsink for superior power handling.
- **Dual High-Power Ferrite/Ceramic Magnets:**  
Powerful ferrite/ceramic magnet structures promote an extremely high field force in the magnetic gap and increase overall thermal mass for greater power handling.
- **Advanced Motor Structures:**  
Ferro-fluid cooling and damping, high-temperature voice coils and ventilated Apical™ formers ensure superb accuracy and reliability, as well as exceptionally linear response.

## Midrange and Bass Drive Units

Designed, engineered and manufactured by Paradigm in North America, these highly refined drivers are virtually free of unwanted vibrational resonances, cone standing waves and micro distortions. They offer stunning midrange clarity, superb resolution of inner details and outstanding definition and dynamics.

- **S-PAL™ Satin-Anodized Pure-Aluminum Midrange and Bass/Midrange Cones:**  
Very high stiffness-to-mass ratio and outstanding internal damping. The result? Remarkable midrange clarity, superb extended bass response and freedom from unwanted resonances and distortions.
- **Advanced Mineral-Filled Polypropylene Bass Cones:**  
Highly damped and tremendously rigid, the cones provide tight, well-defined low-frequency response with a weight and authority that does justice to even the most challenging music and movie material.
- **Advanced Santoprene® Rubber and Synthetic Butyl Suspensions:**  
The elliptical-shaped Santoprene® rubber suspensions allowed us to achieve even lower levels of distortion with deeper and louder bass performance. Extreme linearity, the finest yet in Studio Series, is an important aspect of this design.
- **Heatsinks and AVS™ Airflow Ventilation System Cooling:**  
Improve high-power handling, ensure ultra-low distortion and result in greater long-term reliability.

- **High-Pressure Die-Cast Aluminum Chassis:**  
Control mechanical flexing and ringing. Since aluminum is non-magnetic, the possibility of magnetic loss is eliminated.
- **Satin-Anodized Solid-Aluminum Phase Plugs:**  
The phase plug design promotes better airflow for improved cooling and increased power handling while fostering extended frequency response. Critically shaped to further contribute to the exceptionally accurate phase response and wide dispersion.
- **Die-Cast Aluminum Rear Damping Chambers:**  
Asymmetrically tapered shape eliminates internal standing waves. (Dedicated midrange drivers only.)
- **Oversize Magnet Assemblies with Symmetrical Focused Field Geometry:**  
Low distortion and exceptional linearity even under extreme conditions.
- **Advanced Motor Structures:**  
High-temperature multi-layer voice coils with ventilated Apical™ formers provide tremendous accuracy, reliability and excellent linear response.



# STUDIO SERIES



Shown in Rosenut: Studio 60, Studio CC-590, SUB 12

## 'Reference' Crossovers

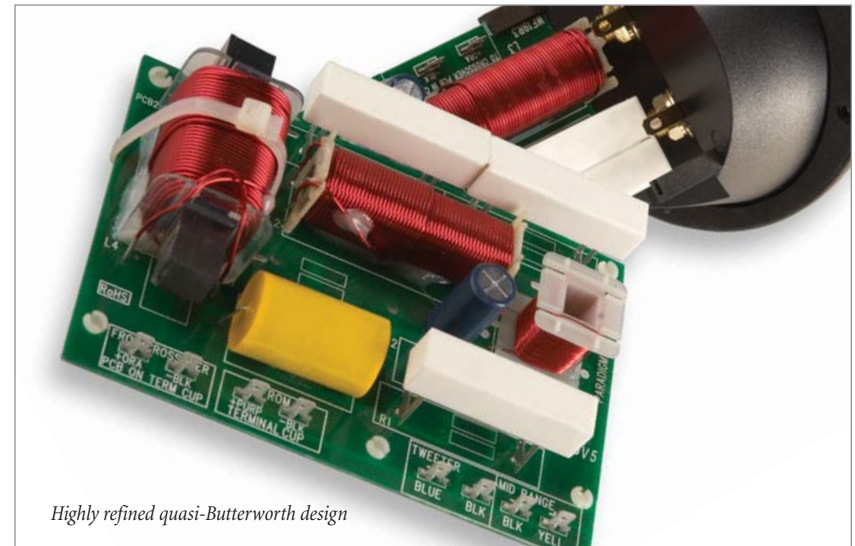
Paradigm designs, engineers and manufactures drive units with ideal response characteristics. This allows for minimal crossover networks. While this 'simple' approach requires greater R&D time, it always produces speakers with superior sonic performance.

Paradigm® Reference crossovers are highly refined phase-coherent quasi-Butterworth designs, using only hand-selected close-tolerance components. These include:

- Polypropylene capacitors
- Precision high-power ceramic resistors
- Air-core and laminated silicon steel-core inductors

Drivers and crossovers are internally connected using superior heavy-gauge HPC™ High-Purity Copper wire. High-frequency and low-frequency crossover sections are physically separated to prevent any component interaction. Slopes and crossover points are selected for seamless driver integration, thereby preserving the complex timbral and spatial information of the original performance.

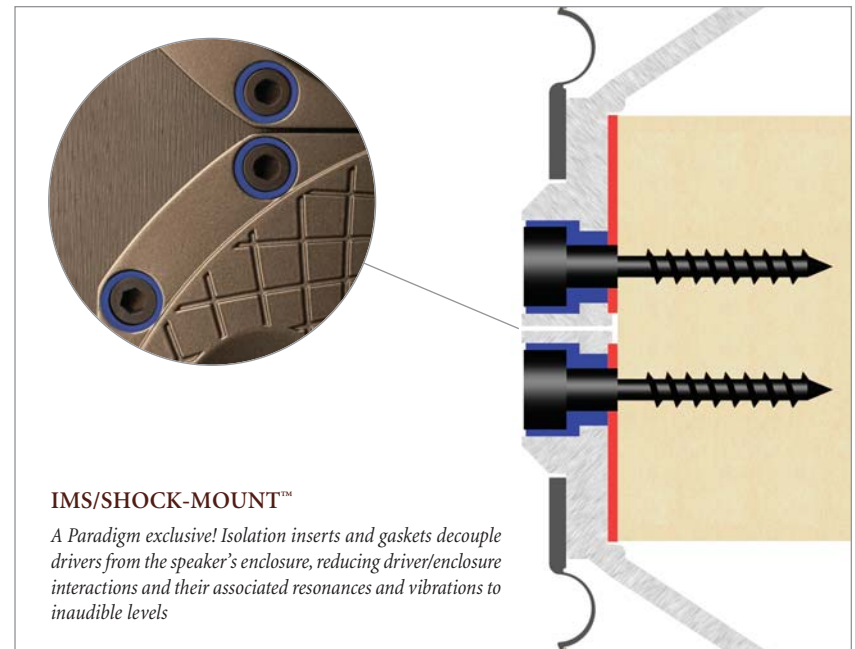
Speaker inputs allow for bi-wiring or bi-amplifying using high-power gold-plated input terminals with heavy-duty jumper bars.



*Highly refined quasi-Butterworth design*

## High-End Touches

- **Beautifully Sculpted Cabinets with Real Wood Veneer Finishes:**  
Add a whole new dimension to the classic appeal of this series. Seven coats of the highest quality lacquer, hand-sanded between coats. Available in four luxurious real wood veneer finishes.
- **IMS/SHOCK-MOUNT™ Isolation Mounting System:**  
This unique butyl-rubber driver fastening system found on all Studio Series drivers is a progressive system of critically placed isolation inserts and gaskets that decouple drivers from the speaker enclosure itself. This leading-edge 'baffle-less' technology reduces driver/enclosure interactions to inaudible levels.
- **Removable Grille Assemblies:**  
The latest generation of Paradigm® Reference speakers is designed to sound every bit as clean, clear and transparent when playing with the grilles on or off.
- **High-Velocity Low-Noise Aluminum Ports:**  
Bass efficiency and minimum turbulence distortion for cleaner and more articulate bass response. Studio 10 features an elliptical port, a functional touch that allowed us to gain a little more and a little deeper bass response, in fact, far more than is typical in such a compact design.
- **Outrigger Feet, Optional Spikes and Stability Cradles:**  
Outrigger feet on floorstanding models add stability and refined visual appeal. Optional spikes are included with all floorstanding models. On center-channel models, cradles provide additional stability.



### IMS/SHOCK-MOUNT™

*A Paradigm exclusive! Isolation inserts and gaskets decouple drivers from the speaker's enclosure, reducing driver/enclosure interactions and their associated resonances and vibrations to inaudible levels*

# STUDIO ESPRIT



Shown in Piano Black: Studio Esprit, Studio Esprit C (behind grille)

## A flexible viewpoint on today's aesthetic

Studio Esprit brings an engaging new perspective to on-wall sound while still addressing all of the possible aesthetic applications popular in today's market. Boasting Paradigm's own ABEC™ Automatic Boundary Effects Compensation feature, the Esprit accommodates placement on a wall or on a stand. Mounted on Paradigm's high-performance GS-40 stand (see photograph in Specifications section in rear of catalog), the Studio Esprit automatically tailors sound for correct 'free-air' frequency response. Wall-mounted, the Esprit's correct on-wall boundary-effect response is automatically engaged, ensuring the same natural and uncolored delivery of music, on-screen effects and intelligible dialog whether the speakers are installed on a wall or mounted on a stand.

*“... the sophisticated Studio Esprit hybrid on-wall speakers offer multiple placement options without sacrificing sonic fineness.”*

*– Bornrich.org*

- **Mirror-Imaged Channel Matching**

Adjustable wall-mounting brackets are included with Esprit speakers:

- Studio Esprit (L/R) can be tilted for even better imaging or a heightened sense of spaciousness;
- Studio Esprit C can be tilted to further optimize clarity and intelligibility. Tilttable TV/Shelf-Mounting Supports are also included for use when speaker serves as the horizontal center channel;
- L/R models are marked Left or Right for ease of use;
- Design of rear cabinet accommodates stealth wiring.

For those who prefer a more traditional cabinet-style center channel approach, the Studio Esprit is perfectly timbre-matched with the Studio CC-590.



Mirror-imaged channel matching

# SPECIFICATIONS



www.paradigm.com



**Studio 10**



**Studio 20**



**Studio 60**



**Studio 100**

|  | Studio 10  | Studio 20  | Studio 60  | Studio 100   |
|--|--|--|--|--|
| <b>Design</b>  | 2-driver, 2-way, bookshelf / stand-mounted   | 2-driver, 2-way, bookshelf / stand-mounted   | 4-driver, 2-1/2-way, floorstanding   | 5-driver, 3-way, floorstanding   |
| <b>Crossover(s)</b>  | 2nd-order electro-acoustic at 2.0 kHz  | 2nd-order electro-acoustic at 2.0 kHz  | 2nd-order electro-acoustic at 2.0 kHz, 2nd-order electro-acoustic at 500 Hz (lower bass drivers)   | 3rd-order electro-acoustic at 2.0 kHz, 3rd-order electro-acoustic at 300 Hz (bass drivers)   |
| <b>High-Frequency Driver</b>   | 25-mm (1 in) G-PAL™ dome, ferro-fluid damped / cooled, die-cast heatsink chassis, IMS/SHOCK-MOUNT™           | 25-mm (1 in) G-PAL™ dome, ferro-fluid damped / cooled, die-cast heatsink chassis, IMS/SHOCK-MOUNT™       | 25-mm (1 in) G-PAL™ dome, ferro-fluid damped / cooled, die-cast heatsink chassis, IMS/SHOCK-MOUNT™                                       | 25-mm (1 in) G-PAL™ dome, ferro-fluid damped / cooled, die-cast heatsink chassis, IMS/SHOCK-MOUNT™                                     |
| <b>Midrange Driver(s)</b>  | n/a  | n/a  | n/a  | 178-mm (7 in) S-PAL™ cone, 38-mm (1-1/2 in) voice coil, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™                               |
| <b>Bass / Midrange Driver(s)</b>   | 140-mm (5-1/2 in) S-PAL™ cone, 38-mm (1-1/2 in) voice coil, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™ | 178-mm (7 in) S-PAL™ cone, 38-mm (1-1/2 in) voice coil, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™ | 140-mm (5-1/2 in) S-PAL™ cone, 38-mm (1-1/2 in) voice coil, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™                             | n/a  |
| <b>Bass Driver(s)</b>  | n/a  | n/a  | Two 140-mm (5-1/2 in) mineral-filled polypropylene cones, 38-mm (1-1/2 in) voice coils, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™ | Three 178-mm (7 in) mineral-filled polypropylene cones, 38-mm (1-1/2 in) voice coils, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™ |
| <b>Low-Frequency Extension*</b>  | 37 Hz (DIN)*   | 36 Hz (DIN)*   | 29 Hz (DIN)*   | 25 Hz (DIN)*   |
| <b>Frequency Response: On-Axis<br/>30° Off-Axis</b>  | ±2 dB from 62 Hz – 22 kHz<br>±2 dB from 62 Hz – 20 kHz   | ±2 dB from 54 Hz – 22 kHz<br>±2 dB from 54 Hz – 20 kHz   | ±2 dB from 45 Hz – 22 kHz<br>±2 dB from 45 Hz – 20 kHz   | ±2 dB from 44 Hz – 22 kHz<br>±2 dB from 44 Hz – 20 kHz   |
| <b>Sensitivity – Room / Anechoic</b>   | 89 dB / 86 dB  | 90 dB / 87 dB  | 92 dB / 89 dB  | 93 dB / 90 dB  |
| <b>Suitable Amplifier Power Range</b>  | 15 – 150 watts   | 15 – 180 watts   | 15 – 220 watts   | 15 – 350 watts   |
| <b>Maximum Input Power†</b>  | 90 watts   | 110 watts  | 170 watts  | 230 watts  |
| <b>Impedance</b>   | Compatible with 8 ohms   | Compatible with 8 ohms   | Compatible with 8 ohms   | Compatible with 8 ohms   |
| <b>Height, Width, Depth</b><br>(Heights include spikes or outrigger feet; widths exclude feet) | 30.3 cm x 20.0 cm x 30.1 cm<br>12 in x 7-7/8 in x 11-7/8 in  | 37.2 cm x 22.5 cm x 33.5 cm<br>14-5/8 in x 8-7/8 in x 13-1/8 in  | 101.8 cm x 20.0 cm x 30.1 cm<br>40-1/8 in x 7-7/8 in x 11-7/8 in   | 112.0 cm x 24.1 cm x 43.1 cm<br>44-1/8 in x 9-1/2 in x 17 in   |
| <b>Weight (Unpacked)</b>   | 8.0 kg / 18 lb each  | 10.7 kg / 24 lb each   | 22.7 kg / 50 lb each   | 35.4 kg / 78 lb each   |
| <b>Finishes</b>  | Cherry, Rosenut, Black Ash, Piano Black  | Cherry, Rosenut, Black Ash, Piano Black  | Cherry, Rosenut, Black Ash, Piano Black  | Cherry, Rosenut, Black Ash, Piano Black  |
| <b>Speaker Stand(s)</b>  | J-29   | J-29   | n/a  | n/a  |



### Studio CC-490

4-driver, 3-way, center channel

2nd-order electro-acoustic at 2.1 kHz, 2nd-order electro-acoustic at 500 Hz (bass drivers)

25-mm (1 in) G-PAL™ dome, ferro-fluid damped / cooled, die-cast heatsink chassis, IMS/SHOCK-MOUNT™

89-mm (3-1/2 in) S-PAL™ cone, ferro-fluid damped / cooled, 25-mm (1 in) voice coil, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™

n/a

Two 140-mm (5-1/2 in) mineral-filled polypropylene cones, 38-mm (1-1/2 in) voice coils, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™

43 Hz (DIN)\*

±2 dB from 65 Hz – 20 kHz  
±2 dB from 65 Hz – 18 kHz

90 dB / 87 dB

15 – 200 watts

150 watts

Compatible with 8 ohms

21.1 cm x 48.8 cm x 28.9 cm  
8-3/8 in x 19-1/4 in x 11-3/8 in

12.2 kg / 27 lb each

Cherry, Rosenut, Black Ash, Piano Black

J-18C

### Studio Esprit and Studio Esprit C

4-driver, 3-way, on-wall / stand-mounted (L/R) / shelf-mounted (C), ABEC™†† boundary compensation

3rd-order electro-acoustic at 2.4 kHz, 3rd-order electro-acoustic at 350 Hz (bass drivers)

25-mm (1 in) G-PAL™ dome, ferro-fluid damped / cooled, die-cast heatsink chassis, IMS/SHOCK-MOUNT™

115-mm (4-1/2 in) S-PAL™ cone, ferro-fluid damped / cooled, 25-mm (1 in) voice coil, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™

n/a

Two 178-mm (7 in) mineral-filled polypropylene cones, 38-mm (1-1/2 in) voice coils, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™

46 Hz (DIN)\*

±2 dB from 75 Hz – 20 kHz  
±2 dB from 75 Hz – 18 kHz

92 dB / 88 dB

15 – 200 watts

150 watts

Compatible with 8 ohms

67.0 cm x 22.7 cm x 14.9 cm  
26-7/16 in x 8-1/8 in x 5-7/8 in

10.9 kg / 24 lb each

Side Panels: Cherry, Rosenut, Piano Black

GS-40

### Studio CC-590

4-driver, 3-way, center channel

2nd-order electro-acoustic at 2.5 kHz, 2nd-order electro-acoustic at 400 Hz (bass drivers)

25-mm (1 in) G-PAL™ dome, ferro-fluid damped / cooled, die-cast heatsink chassis, IMS/SHOCK-MOUNT™

115-mm (4-1/2 in) S-PAL™ cone, ferro-fluid damped / cooled, 25-mm (1 in) voice coil, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™

n/a

Two 178-mm (7 in) mineral-filled polypropylene cones, 38-mm (1-1/2 in) voice coils, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™

36 Hz (DIN)\*

±2 dB from 55 Hz – 20 kHz  
±2 dB from 55 Hz – 18 kHz

91 dB / 88 dB

15 – 220 watts

170 watts

Compatible with 8 ohms

23.7 cm x 66.6 cm x 32.0 cm  
9-3/8 in x 26-1/4 in x 12-5/8 in

17.7 kg / 39 lb each

Cherry, Rosenut, Black Ash, Piano Black

J-18C

### Studio CC-690

6-driver, 3-way, center channel

2nd-order electro-acoustic at 3.0 kHz, 2nd-order electro-acoustic at 500 Hz (bass drivers)

25-mm (1 in) G-PAL™ dome, ferro-fluid damped / cooled, die-cast heatsink chassis, IMS/SHOCK-MOUNT™

115-mm (4-1/2 in) S-PAL™ cone, ferro-fluid damped / cooled, 25-mm (1 in) voice coil, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™

Two 178-mm (7 in) S-PAL™ cones, 38-mm (1-1/2 in) voice coils, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™

Two 178-mm (7 in) mineral-filled polypropylene cones, 38-mm (1-1/2 in) voice coils, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™

32 Hz (DIN)\*

±2 dB from 47 Hz – 20 kHz  
±2 dB from 47 Hz – 18 kHz

93 dB / 90 dB

15 – 300 watts

210 watts

Compatible with 8 ohms

25.3 cm x 94.5 cm x 41.9 cm  
10 in x 37-1/4 in x 16-1/2 in

31.8 kg / 70 lb each

Cherry, Rosenut, Black Ash, Piano Black

J-18C

### Studio ADP-590

5-driver, 3-way, surround / rear, reverberant soundfield, wall-mount bracket included

1st-order electro-acoustic at 2.1 kHz, 2nd-order electro-acoustic at 300 Hz (bass driver)

Two 25-mm (1 in) G-PAL™ domes, ferro-fluid damped / cooled, die-cast heatsink chassis, IMS/SHOCK-MOUNT™

Two 89-mm (3-1/2 in) S-PAL™ cones, ferro-fluid damped / cooled, 25-mm (1 in) voice coils, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™

n/a

178-mm (7 in) mineral-filled polypropylene cone, 38-mm (1-1/2 in) voice coil, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™

60 Hz (DIN)\*

±2 dB from 85 Hz – 20 kHz  
(reverberant soundfield)

88 dB / 85 dB

15 – 180 watts

130 watts

Compatible with 8 ohms

22.0 cm x 37.5 cm x 17.0 cm  
8-3/4 in x 14-3/4 in x 6-5/8 in

7.9 kg / 17 lb each

Black, White

J-29, S-26

\*DIN 45 500. Indicates -3 dB in a typical listening room. †With typical program source, provided the amplifier clips no more than 10% of the time. ††ABEC™ Automatic Boundary Effects Compensation feature. | Paradigm® stands sold separately, see your Dealer.