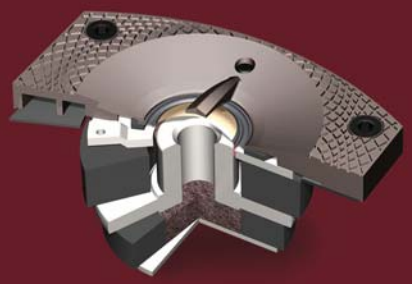
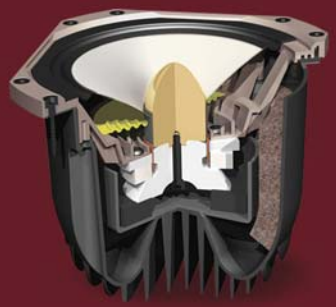
Paradigm® Reference Studio speakers set a performance benchmark in high-end sound. They offer the highest standard of technological excellence, providing breathtaking musical reproduction that captures the very essence of the original sound.

Equally important is their 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 system*





"PHENOMENAL SPEAKERS … OVER-THE-TOP IMPRESSIVE … amazingly balanced … limitless depth … awe-inspiring dynamics."

– Ken Taraszka, AudioVideo Revolution on the Studio 100 system

Shown in Rosenut: Studio 20, Studio CC-590
Stands: J-29

High-Frequency Drive Units

Designed and made by Paradigm, these remarkable drivers exhibit astonishing timbral clarity and transparency, otherwise associated with the very best electrostatic or ribbon designs. They are exceptionally smooth, detailed and free of any 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. 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.
- **Oversize Die-Cast Aluminum Damping Chambers:**
  Provide smooth, extended lower-frequency response.
- **Dual High-Power Magnets:**
  Powerful ferrite-ceramic magnets promote extremely high energy in the magnetic gap and increase overall thermal mass for greater power handling.
- **Advanced Motor Structures:**
  High-temperature multi-layer voice coils and ventilated Apical™ formers ensure superb accuracy and reliability, as well as exceptionally linear response regardless of cone excursion.

Midrange, Bass/Midrange, Bass Drive Units

Also designed and made by Paradigm, these powerful, 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 bass 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 is extraordinary midrange clarity, superb extended bass response and tremendous freedom from unwanted resonances and distortions.
- **Advanced Mineral-Filled Polypropylene Bass Cones:**
  Highly damped and tremendously rigid, they provide tight, well-defined low-frequency response with a weight and authority that does justice to even the most challenging music and movie material.
- **Heatsinks and AVS™ Airflow Ventilation System Cooling:**
  Promote high power handling, exceptionally low distortion and greater reliability.
- **High-Pressure Die-Cast Aluminum Chassis:**
  Control mechanical flexing and ringing and since aluminum is non-magnetic, the possibility of magnetic loss is eliminated.
- **Satin-Anodized Solid-Aluminum Phase Plugs:**
  Promote 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.
- **Advanced Synthetic Butyl Suspensions:**
  High-hysteresis and progressive damping isolate and eliminate "edge-hole" distortion, a major form of distortion that occurs when the cone's suspension begins to resonate in an uncontrolled manner.
- **Oversize Die-Cast Aluminum Rear Damping Chambers:**
  Asymmetrically tapered shape eliminates internal standing waves.
- **Oversize Magnet Assemblies with Symmetrical Focused Field Geometry:**
  Ensure low distortion and unparalleled linearity even under extreme conditions.
- **Advanced Motor Structures:**
  High-temperature multi-layer voice coils with ventilated Apical™ formers provide superb accuracy and reliability and excellent linear response.

Shown in Rosenut: Studio 100, Studio CC-690, Seismic™ 12

High-End Touches

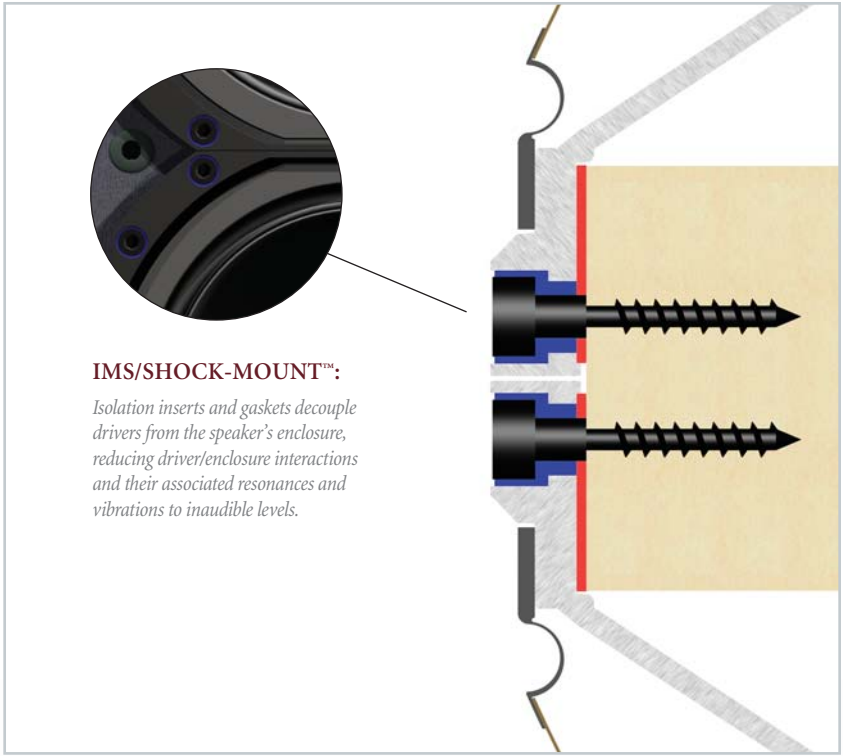
- **IMS/SHOCK-MOUNT™ Isolation Mounting System:**
  Unique butyl-rubber IMS/SHOCK-MOUNT™ driver fastening system found on all Studio Series drivers is a progressive system of critically placed isolation inserts and gaskets that decouple drivers from the speaker enclosure itself. This leading-edge "baffle-less" technology reduces driver/enclosure interactions and their associated enclosure resonances and vibrations to inaudible levels.

- **MDF Enclosures and Premium Laminate Finishes:**
  Medium Density Fiberboard (MDF) is used throughout our Paradigm® Reference Studio cabinets, enhanced by a choice of three elegant finishes—Cherry, Rosenut and Black Ash.

- **High-Velocity Low-Noise Aluminum Ports:**
  Bass efficiency and minimum turbulence distortion for cleaner and more articulate bass response.

- **Anti-Diffraction Grille Assemblies:**
  Elegant, softly sculpted grilles are designed to fit flush with drivers, while their soft outer edges eliminate reflective edges. This anti-diffraction design further contributes to the clarity and extraordinary spaciousness evident in the performance of Paradigm® Reference Studio speakers.

- **Outrigger Feet and Optional Spikes:**
  Outrigger feet on floorstanding and center-channel models are designed for added stability and refined visual appeal. Optional spikes are included with floorstanding models.



IMS/SHOCK-MOUNT™:

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

SPECIFICATIONS

www.paradigm.com

Studio 40

Design	3-driver, 2-1/2-way, bookshelf / stand-mounted
Crossover(s)	2nd-order electro-acoustic at 2.0 kHz, 2nd-order electro-acoustic at 500 Hz (lower bass driver)
High-Frequency Driver(s)	25-mm (1 in) G-PAL™ dome, ferro-fluid, die-cast heatsink chassis, IMS/SHOCK-MOUNT™
Midrange Driver(s)	
Bass/Midrange Driver(s)	178-mm (7 in) S-PAL™ cone, 38-mm (1-1/2 in) voice coil, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™
Bass Driver(s)	178-mm (7 in) mineral-filled polypropylene cone, 38-mm (1-1/2 in) voice coil, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™
Low-Frequency Extension*	36 Hz (DIN)*
Frequency Response: ***On-Axis***	±2 dB from 62 Hz – 22 kHz
30° Off-Axis	±2 dB from 62 Hz – 20 kHz
Sensitivity – Room/Anechoic	92 dB / 89 dB
Suitable Amplifier Power Range	15 – 180 watts
Maximum Input Power†	140 watts
Impedance	Compatible with 8 ohms
Internal Volume	23 L / 0.8 cu ft
Height, Width, Depth (Heights include spikes or outrigger feet; widths exclude feet)	55.9 cm x 21.0 cm x 32.3 cm 22 in x 8-1/4 in x 12-3/4 in
Weight (Unpacked)	31.8 kg / 70 lb per pair
Finishes	Cherry, Rosenut, Black Ash
Speaker Stand(s)	J-23, S-18, S-22

**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. | Paradigm® stands sold separately, see your Dealer.*