

# Introducing Paradigm® Reference Studio Series v.4

Redesigned cones, cutting-edge domes, a new full-size center channel and a smaller sculpted cabinet "ADP"!



Studio Series v.4 is available in Cherry (shown above), Rosenut and Black Ash; Studio ADP-590 in Black Ebony or White.

## What's New in Studio v.4 ...

### TWO NEW MODELS!

**Studio CC-690** is a new six-driver full-size **3-way** center channel with 1" (25 mm) high-frequency dome, 4-1/2" (115 mm) midrange cone, two 7" (178 mm) bass/midrange cones and two 7" (178 mm) bass drivers. Designed for large high-output home theater applications, this new model brings added versatility to Studio Series v.4

**Studio ADP-590 Surround/Rear** is a new **3-way** design (originally developed for the acclaimed Signature ADP), further refining the performance of this very successful "ADP" design. Drivers include two 1" (25 mm) high-frequency domes, two 4" (102 mm) midrange cones and one 7" (178 mm) bass driver. The significantly smaller, sculpted lifestyle cabinet blends perfectly into modern décor. Replaces Studio ADP-470.

**NEW! 1" (25 mm) G-PAL™ Gold-Anodized Pure-Aluminum Domes** (also developed for our award-winning Signature Series) chosen for their exceptional rigidity and improved internal damping. The reduced radius of curvature on the tweeter diaphragm has also brought about significant improvements in sound dispersion. Ferro-fluid cooled and damped.

**NEW! 7" (178 mm), 4" (102 mm) and 4-1/2" (115 mm) S-PAL™ Satin-Anodized Pure-Aluminum Midrange and Bass/Midrange Cones.** This next-generation technology material yields improved sonic performance through enhanced rigidity.

**NEW! 3-Way Design for Center Channels** delivers measurably improved off-axis performance, extended dynamic range and also promotes seamless timber matching between the center channel and front and rear/surround speakers.

**NEW! Bronze-Anodized Cast-Aluminum Driver Chassis, Top Plate, Kick Plate and Feet** enhance the elegance of the v.4 lineup. The stunning G-PAL™ tweeter, combined with the silvery aluminum hue of the new cones and bronze-anodized cast-aluminum parts, makes for a gorgeous new look. (Full driver complement specifications on reverse.)

### ... continuing in their successful role from the previous v.3 generation

- **Advanced 7" (178 mm) Mineral-Filled Polypropylene Bass Cones** control the lower frequencies with tight, exceptionally well-defined low-frequency response.
- **High-Pressure Die-Cast Aluminum Chassis** eliminate mechanical flexing and ringing.
- **Massive Heatsinks and Paradigm's Proprietary AVS™ Airflow Ventilation** ensure higher power handling, with exceptionally low distortion and excellent reliability.
- **Gold-Anodized Solid-Aluminum Phase Plugs.** Chosen in lieu of dust caps following their exceptional success in the Signature Series, they promote extended frequency response and increase air flow for excellent power handling and phase response.
- **Oversize Magnet Assemblies with Symmetrical Focused Field Geometry** ensure low distortion and unparalleled linearity.
- **Advanced Motor Structures:** High-temperature multi-layer extended voice coils with ventilated Apical™ formers ensure super accuracy and reliability as well as exceptional linear response, regardless of cone excursion.
- **Paradigm's proprietary IMS/SHOCK-MOUNT™ Isolation Mounting System** continues to ensure extraordinary structural integrity on this new generation of Paradigm® Reference speaker enclosures.



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# Specifications:



## Studio 20

## Studio 40

## Studio 60

## Studio 100

<b>Design</b>	2-driver, 2-way, bookshelf / stand-mounted	3-driver, 2-1/2-way, bookshelf / stand-mounted	3-driver, 2-1/2-way, floorstanding	5-driver, 3-way, floorstanding
<b>Crossover</b>	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 driver)	2nd-order electro-acoustic at 2.0 kHz, 2nd-order electro-acoustic at 500 Hz (lower bass driver)	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, die-cast heatsink chassis, IMS/SHOCK-MOUNT™	25-mm (1 in) G-PAL™ dome, ferro-fluid, die-cast heatsink chassis, IMS/SHOCK-MOUNT™	25-mm (1 in) G-PAL™ dome, ferro-fluid, die-cast heatsink chassis, IMS/SHOCK-MOUNT™	25-mm (1 in) G-PAL™ dome, ferro-fluid, die-cast heatsink chassis, IMS/SHOCK-MOUNT™
<b>Midrange Driver</b>				178-mm (7 in) S-PAL™ cone, ferro-fluid, 38-mm (1-1/2 in) voice coil, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™
<b>Bass/Midrange Driver</b>	178-mm (7 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™	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 Driver(s)</b>		178-mm (7 in) mineral-filled polypropylene cone, 38-mm (1-1/2 in) voice coil, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™	178-mm (7 in) mineral-filled polypropylene cone, 38-mm (1-1/2 in) voice coil, 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>	36 Hz (DIN)	36 Hz (DIN)	30 Hz (DIN)	28 Hz (DIN)
<b>Frequency Response: On-Axis</b>	±2 dB from 54 Hz – 22 kHz	±2 dB from 62 Hz – 22 kHz	±2 dB from 46 Hz – 22 kHz	±2 dB from 44 Hz – 22 kHz
<b>30° Off-Axis</b>	±2 dB from 54 Hz – 20 kHz	±2 dB from 62 Hz – 20 kHz	±2 dB from 46 Hz – 20 kHz	±2 dB from 44 Hz – 20 kHz
<b>Sensitivity – Room/Anechoic</b>	90 / 87 dB	92 / 89 dB	91 / 88 dB	91 / 88 dB
<b>Suitable Amplifier Power Range</b>	15 – 150 watts	15 – 180 watts	15 – 200 watts	15 – 350 watts
<b>Maximum Input Power†</b>	100 watts	140 watts	150 watts	210 watts
<b>Impedance</b>	Compatible with 8 ohms	Compatible with 8 ohms	Compatible with 8 ohms	Compatible with 8 ohms
<b>Internal Volume</b>	15 L / 0.5 cu ft	23 L / 0.8 cu ft	61 L / 2.2 cu ft	67 L / 2.4 cu ft
<b>Height, Width, Depth</b>	38.1 cm x 21 cm x 32.3 cm	55.9 cm x 21 cm x 32.3 cm	102.9 cm x 21 cm x 43.2 cm	113 cm x 21 cm x 43.2 cm
<small>(Height includes spikes or outrigger feet)</small>	15 in x 8-1/4 in x 12-3/4 in	22 in x 8-1/4 in x 12-3/4 in	40-1/2 in x 8-1/4 in x 17 in	44-1/2 in x 8-1/4 in x 17 in
<b>Weight</b>	19.6 kg / 43 lb per pair	31.8 kg / 70 lb per pair	63.6 kg / 140 lb per pair	73.6 kg / 162 lb per pair
<b>Finishes</b>	Cherry, Rosenut, Black Ash Black Ash	Cherry, Rosenut, Black Ash	Cherry, Rosenut, Black Ash	Cherry, Rosenut, Black Ash



## Studio CC-590 (replaces Studio CC-570)

## New Model! Studio CC-690

## Studio ADP-590 (replaces Studio ADP-470)

<b>Design</b>	4-driver, 3-way center channel, MagneShield™	6-driver, 3-way center channel, MagneShield™	5-driver, 3-way surround/rear
<b>Crossover</b>	3rd-order electro-acoustic at 2.4 kHz, 3rd-order electro-acoustic at 350 Hz (bass drivers)	3rd-order electro-acoustic at 2.5 kHz, 3rd-order electro-acoustic at 350 Hz (bass drivers)	1st-order electro-acoustic at 2.1 kHz, 2nd-order electro-acoustic at 300 Hz (bass drivers)
<b>High-Frequency Driver(s)</b>	25-mm (1 in) G-PAL™ dome, ferro-fluid, die-cast heatsink chassis, IMS/SHOCK-MOUNT™	25-mm (1 in) G-PAL™ dome, ferro-fluid, die-cast heatsink chassis, IMS/SHOCK-MOUNT™	Two 25-mm (1 in) G-PAL™ domes, ferro-fluid, die-cast heatsink chassis, IMS/SHOCK-MOUNT™
<b>Midrange Driver</b>	115-mm (4-1/2 in) S-PAL™ cone, ferro-fluid, 25-mm (1 in) voice coil, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™	115-mm (4-1/2 in) S-PAL™ cone, ferro-fluid, 25-mm (1 in) voice coil, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™	Two 102 mm (4 in) S-PAL™ cones, ferro-fluid, 25-mm (1 in) voice coils, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™
<b>Bass/Midrange Driver</b>		Two 178-mm (7 in) S-PAL™ cones, ferro-fluid, 25-mm (1 in) voice coils, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™	
<b>Bass Driver(s)</b>	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™	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™	178-mm (7 in) mineral-filled polypropylene cone, 38-mm (1-1/2 in) voice coil, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™
<b>Low-Frequency Extension*</b>	38 Hz (DIN)	38 Hz (DIN)	60 Hz (DIN)
<b>Frequency Response: On-Axis</b>	±2 dB from 50 Hz – 20 kHz	±2 dB from 53 Hz – 20 kHz	±2 dB from 85 Hz – 20 kHz
<b>30° Off-Axis</b>	±2 dB from 50 Hz – 18 kHz	±2 dB from 53 Hz – 18 kHz	(reverberant soundfield)
<b>Sensitivity – Outdoor</b>	90 / 87 dB	91 / 88 dB	90 / 87 dB
<b>Suitable Amplifier Power Range</b>	15 – 200 watts	15 – 300 watts	15 – 180 watts
<b>Maximum Input Power†</b>	150 watts	200 watts	130 watts
<b>Impedance</b>	Compatible with 8 ohms	Compatible with 8 ohms	Compatible with 8 ohms
<b>Internal Volume</b>	29 L / 1.0 cu ft	48 L / 1.7 cu ft	5.6 L / 0.2 cu ft
<b>Height, Width, Depth</b>	24 cm x 67.3 cm x 33 cm	24 cm x 91.5 cm x 39.5 cm	22 cm x 37.5 cm x 17 cm
<small>(Height includes spikes or outrigger feet)</small>	9-1/2 in x 26-1/2 in x 13 in	9-1/2 in x 36 in x 15-1/2 in	8-3/4 in x 14-3/4 in x 6-5/8 in
<b>Weight</b>	20.5 kg / 45 lb each	31.3 kg / 69 lb each	7.9 kg / 17.5 lb each
<b>Finishes</b>	Cherry, Rosenut, Black Ash	Cherry, Rosenut, Black Ash	Black Ebony, White

\*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.