



"Highly affordable, easy to install and optional backboxes make this an incredible, flexible entry level lineup."

– Paradigm Design Team

TWO'S COMPANY: THREE (OR FOUR!) IS NEVER A CROWD!

Until now, choice has been limited when it comes to in-wall/in-ceiling subwoofers. Most options simply don't deliver the kind of bass performance that gets us excited. In fact, the only things those models excite are wall vibrations—not a good thing in a custom subwoofer. But now you have real choices for real bass performance.

A minimum of two PCS subs must be used in each system, but the more the better! Using two subs randomizes the standing waves within the room so that bass is distributed uniformly. Two or more subs also ensures lower distortion (not that you'll hear much distortion with a Paradigm sub!), but at very high output levels, you'll be surprised how clean and clear bass remains. A single Paradigm X-300 Amplifier is designed to power two, three, or four PCS subs!

IN-CEILING SETUP: PCS-80R & GUIDED SOUNDFIELD™ SPEAKERS

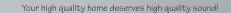
Want the walls free of speakers? Purchase our PCS-80R sub—the ideal complement to an in-ceiling Paradigm Guided Soundfield™ system. PCS-80R's match the footprint of our Guided Soundfield™ models. All the output of a powerful Paradigm subwoofer system, completely hidden from view. And since bass frequencies are non-directional as they go lower in frequency, no matter where in the wall or ceiling you position the subwoofer, it won't affect the stereo image of your front speakers or the soundstage of your multichannel speaker system. And Paradigm's optional Perfect Bass Kit is available to help with problems of the room.



Paradigm® X-300 High-Power Amplifier (sold sep.). For full details see X-Amp section later in this catalog







Paradigmi



Full-perimeter bracket design

Unlike typical mounting ears, brackets

width of the speaker chassis to effectively

sandwich and strengthen the area around

cover the full diameter or height and

the mounting hole.

Advanced High-Excursion
CFP** Carbon-Fiber-Reinforced
Polypropylene Cone. The addition
of carbon fiber provides excellent cone
rigidity. Over-molded 'M-roll' design
thermoplastic surround guarantees
greater cone excursion and durability.

Powerful Ceramic/Ferrite Magnet and Motor Structures.

1-1/2" (38 mm) voice coil with four layers of high-temperature copper wire wrapped around a polyamide former. FEA-optimized magnet/motor structure generates strong energy in the gap.

Combination Die-Cast and GRIP**
Glass-Reinforced InjectionMolded Polymer Chassis and
Mounting Bracket (PCS-80R). A rigid
die-cast structure that dramatically
reduces ceiling resonances.

High-Strength GRIP" Glass-Reinforced Injection-Molded Polymer Chassis and Mounting Bracket (PCS-80SQ). A strong, rigid in-wall design that will dramatically reduce sound-coloring resonances. In-wall/in-ceiling setup: PCS-80SQ in-wall subwoofers teamed with AMS-150R-30 Guided Soundfield™ in-ceiling speakers





PCS Series	PCS-80R	PCS-80SQ
Design	Single high-excursion driver, in-ceiling, combination die-cast and GRIP™ chassis/mounting bracket Single high-excursion driver, in-wall, GRIP™ chassis/mounting bracket	
Matching Paradigm® X-Series Amplifier (required, sold sep.)	X-300 (up to 4 PCS subwoofers)	X-300 (up to 4 PCS subwoofers)
Bass Driver	210-mm (8 in) CFP" cone, 38-mm (1-1/2 in) voice coil, over-molded TPR" surround, high-temperature polyamide former, ceramic/ferrite magnet structure	
Low-Frequency Extension*	19 Hz (DIN)	19 Hz (DIN)
External Dimensions: (D or H x W)	29.6 cm / 11-10/16 in	21.4 cm x 21.4 cm / 8-1/2 in x 8-1/2 in
Minimum Mounting Depth**	14.8 cm / 5-14/16 in	10.0 cm / 3-15/16 in
Cutout Dimensions: (D or H x W)	27.0 cm / 10-10/16 in	19.1 cm x 19.1 cm / 7-1/2 in x 7-1/2 in
Minimum Internal Volume Required	22 L / 0.77 cu ft	22 L / 0.77 cu ft
Weight (unpacked)	2.6 kg / 5.2 lb each	1.7 kg / 3.7 lb each
Finish	White, paintable	White, paintable
Pre-Construction Bracket (sold sep.)	PB-10R; retrofit included	PB-7x7; retrofit included
Optional Ported Backbox (sold sep.)	BX-10R	BX-80SQ



X-Series Amplifiers	X-300	
Design	Ultra-Class-D™ power amplifier, proprietary EQ software to configure amp for specific application, USB port/PBK interface for programming and optional PBK digital room correction system	
Amplifier: High-Current, Discrete Output	900 watts Dynamic Peak / 300 watts RMS	
Amplifier Features	Auto-On/Off, soft clipping, electrical shorting protection, thermal protection	
Subwoofer Cut-Off Frequency	Variable 35 Hz — 200 Hz; Bypass Option	
Sub/Sat Phase Alignment	Variable 0° – 180°	
Line-Level Input	RCA. From Sub-Out/LFE-Out of receiver, processor or other line-level source	
Speaker-Level Outputs	SUB 1/2; SUB 3/4	
Height, Width, Depth	$8.9~\rm cm \times 43.2~cm \times 37.5~cm$: $2~\rm rock$ units $3\text{-}1/2~\rm in \times 17~in \times 14\text{-}3/4~in$: $2~\rm rock$ units Includes rack ears for mounting in 19° rack	
Weight (unpacked)	6.1 kg / 13.5 lb each	
Finish	Black	