

UltraCube™ 10

Ultra Compact. Ultra Elegant. Ultra Powerful.

No subwoofer in its price class (and even some at twice the price!) can compare.

Big bass for a small space ... when it comes to compact subwoofer design our UltraCube™ 10 breaks new ground! From its super-efficient amplifier to the advanced high-power driver and dual passive radiators, everything about the UltraCube™ 10 is optimized for unbeatable high-end performance—including the sleek, acoustically inert enclosure.

Power. Impact. Extraordinary refinement. Remarkable musical finesse. The UltraCube™ 10 delivers it all ... from a cube measuring just 11-1/2" wide and deep.

Fast Facts about the 10" Driver

- **Proprietary 10" (254 mm) Down-Firing Mineral-Filled Co-Polymer Polypropylene Driver.** More than one and a half inches (29 mm) peak-to-peak cone travel ensures bass extension, speed and power simply unmatched in other super-compact designs.
- **RCR™ Resonance Control Ribs** provide superior cone rigidity and internal damping for exceptionally deep bass response, superb bass articulation, and ultra-low distortion.
- **High-Pressure Die-Cast Aluminum Chassis** controls flexing and ringing, and since aluminum is non-magnetic, it eliminates stray magnetic losses.
- **Proprietary AVS™ Airflow Ventilation System cooling** conducts heat away from the voice coil.
- **1-1/2" (38 mm) 4-Layer Voice Coil** ensures greater power handling during extended cone travel.
- **Dual Oversize Magnets (3.26 lb/1.48 kg each) and Advanced Suspension** encourage extended cone excursion while maintaining exacting control over cone movement. The end result? Deeper, cleaner, and more accurate bass!
- **Dual 9" (229 mm) Balanced-Plane High-Velocity Passive Radiators.** Solid, stable, and free from unwanted resonances and vibrations, our "radiator" design helps provide the deep, extended bass this compact cube is capable of!

Fast Facts about the Amplifier

- **Super-Class-D™** high-frequency switching amplifier ensures massive amounts of clean, high-current power: **1500 watts Dynamic Peak, 650 watts RMS Sustained.**
- **Novel Adaptive PWM Power Processor** minimizes distortion and ensures a rock-steady power supply, free of power fluctuations.
- **Temperature Sensor** monitors temperature of the amplifier and the voice coil to maintain safe operating temperatures, even under extreme conditions.
- **Opto-Coupled Inputs** provide better isolation and lower noise.
- **Precision Components and Dual-Sided Military Spec (FR-4 rated) Glass/Epoxy Circuit Boards** ensure superior performance and long-term reliability.
- **Short-Circuit Protection** reacts within 10 microseconds!



Paradigm®

THE ULTIMATE IN SOUND FOR MUSIC AND HOME THEATER™

UltraCube™ 12

The Ultra-Popular, Ultra-Compact, Ultra-Powerful subwoofer from Paradigm® is now available with a 12" driver!

We are very pleased to introduce the sensational new UltraCube™ 12. While still an ultra-compact design at only 14 inches (that includes the feet!), the slightly larger footprint and state-of-the-art 12-inch driver make it a performance step-up from the wildly successful UltraCube™ 10.

Fast Facts about the 12" Driver

- **12" (305-mm) Proprietary Down-Firing Mineral-Filled Co-Polymer Polypropylene Driver**, with wide peak-to-peak cone travel, provides faster, more powerful, and even deeper bass that is simply not offered in other compact subwoofer designs.
- **RCR™ Resonance Control Ribs**—a hallmark of all Paradigm's top-of-the-line subwoofers—provide excellent rigidity and internal damping.
- **High-Pressure Die-Cast Aluminum Chassis** controls flexing and ringing and since aluminum is non-magnetic, eliminates stray magnetic losses.
- **Proprietary AVS™ Airflow Ventilation System Cooling** conducts heat away from the voice coil.
- **Advanced 2" (51-mm) Bifilar 2+2-Layer Voice Coil** ensures superior power handling during extended cone travel.
- **Dual Oversize Magnets (3.56 lb / 1.62 kg each) and Advanced Suspension** facilitate extended cone excursion while maintaining superb control over cone movement.
- **Dual 10" (254-mm) Balanced-Plane High-Velocity Passive Radiators**. Solid, stable, and free from unwanted resonances and vibrations, they assist in providing the surprisingly deep, extended bass this compact cube delivers.

Fast Facts about the Amplifier

- **Super-Class-D™ High-Frequency Switching Amplifier** ensures massive amounts of clean, high-current power: **1500 watts Dynamic Peak, 650 watts RMS Sustained**.
- **Novel Adaptive PWM (Pulse Width Modulation) Power Processor** minimizes distortion and ensures a rock-steady power supply, free of power fluctuations.
- **Temperature Sensor** monitors temperature of the subwoofer to maintain safe operating temperatures, even under extreme operating conditions.
- **Precision Components and Dual-Sided Military Spec (FR-4 rated) Glass/Epoxy Circuit Boards** ensure superior performance and long-term reliability.
- **Short-Circuit Protection** reacts within 10 microseconds!



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INPUT FACILITIES

- Line-level input

CONTROL FACILITIES

- Auto-On/Off
- Subwoofer Level
- Subwoofer Cut-Off Frequency
(continuously variable 40 Hz – 150 Hz)
- Sub/Sat Phase Alignment
(continuously variable 0° – 180°)



Specifications

UltraCube™ 10

UltraCube™ 12

Design	Single high-excursion driver, dual passive radiators, built-in Super-Class-D™ amplifier	Single high-excursion driver, dual passive radiators, built-in Super-Class-D™ amplifier
Amplifier: High-Current, Discrete Output	1500 watts Dynamic Peak, 650 watts RMS Sustained	1500 watts Dynamic Peak, 650 watts RMS Sustained
Amplifier Features	Auto-on/off, soft clipping, thermal protection, electrical shorting protection	Auto-on/off, soft clipping, thermal protection, electrical shorting protection
Bass Driver	10" (254-mm) mineral-filled co-polymer polypropylene cone with RCR™ Resonance Control Ribs, 1-1/2" (38-mm) 4-layer voice coil, dual spiders, AVS™ die-cast heatsink chassis	12" (305-mm) mineral-filled co-polymer polypropylene cone with RCR™ Resonance Control Ribs, 2" (51-mm) bifilar 2+2-layer voice coil, dual spiders, AVS™ die-cast heatsink chassis
Passive Radiators	Dual 9" (229-mm) balanced-plane high-velocity passive radiators	Dual 10" (254-mm) balanced-plane high-velocity passive radiators
Low-Frequency Extension*	22 Hz (DIN)	19 Hz (DIN)
Line-Level Input	RCA. From Sub-Out/LFE-Out of receiver/processor or other line-level source	RCA. From Sub-Out / LFE-Out of receiver/processor or other line-level source
Line-Level Input Sensitivity	150 mV	150 mV
Line-Level Input Impedance	25k ohms	25k ohms
Internal Volume	0.58 cu ft / 16.4 L (gross)	1 cu ft / 28.3 L (gross)
Height, Width, Depth (height includes feet)	12-15/16 in x 11-1/2 in x 11-1/2 in 32.8 cm x 29.1 cm x 29.1 cm	15 in x 14 in x 14 in 38.1 cm x 35.6 cm x 35.6 cm
Weight	29 lb / 13.3 kg each	36 lb / 16.3 kg each
Finish	Black Ash	Black Ash

*DIN 45 500. Indicates -3 dB in a typical listening room.