

Paradigm Studio Sub15 V.5 15" Subwoofer [sub15] Cherry



Model : Studio Sub15 Cherry

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Manufacturer : Paradigm Reference Studio Series

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Paradigm Reference Studio speakers set an all-new performance benchmark in high-end sound. Embracing Paradigm's comprehensive resources and vast experience, they offer the highest standard of technological excellence, providing breathtaking musical reproduction that captures the very essence of the original performance. Begin with Paradigm Reference front speakers then add a superb Reference CC center channel, extraordinary surrounds/rears and the deep, visceral impact of a Paradigm Reference subwoofer for unparalleled state-of-the-art home theater sound. Paradigm Studio Sub15 Cherry SubwooferA subwoofer is a woofer, or a complete loudspeaker dedicated to the reproduction of bass audio frequencies, from perhaps 150 Hz down as far as 20 Hz, or in rare cases lower. Also known as "subs", these are used to augment the low frequency performance of main loudspeakers. Subwoofers are constructed by mounting one or more woofers in a well-braced wood or plastic enclosure. Subwoofers have been designed using a number of speaker enclosure designs, including bass reflex (with a port or tube in the enclosure), infinite baffle, horn-loaded, and band pass designs, each of which has advantages and disadvantages in efficiency, size, distortion, cost, and power handling. A Paradigm Reference subwoofer adds unparalleled state-of-the-art home theater sound. Built-in Ultra Class-D power AmplifierGenerally, an amplifier or simply amp is any device that changes, usually increases, the amplitude of a signal. The "signal" is usually voltage or current. In popular use, the term today usually refers to an electronic amplifier, often as in audio applications. The relationship of the input to the output of an amplifier - usually expressed as a function of the input frequency - is called the transfer function of the amplifier, and the magnitude of the transfer function is termed the gain. A related device that emphasizes conversion of signals of one type to another (for example, a light signal in photons to a DC signal in amperes) is a transducer, a transformer, or a sensor. However, none of these amplify power. Line Level Output Impedance: RCA: 10 k ohms; XLR: 20 k ohms;The acoustic impedance Z (or sound impedance) is a frequency f dependent parameter and is very useful, for example, for describing the behavior of musical wind instruments. Mathematically, it is the sound pressure p divided by the particle velocity v and the surface area S , through which an

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acoustic wave of frequency f propagates. Features included:

- Design

- Patented built-in Ultra-Class-D? power amplifier
 - Single high-excursion driver
 - USB port
 - Sealed enclosure
 - Amplifier Specs: 3400 watts Dynamic Peak / 1700 watts RMS Sustained
 - Subwoofer Cut-off Frequency: Variable 35 Hz - 150 Hz; Bypass option
 - Line Level Output Impedance: RCA: 10 k ohms; XLR: 20 k ohms;
 - Dimensions (H x W x D): 49.5 cm x 49.5 cm x 55.9 cm
 - Weight: 103 lb each
 - Line Level Input Sensitivity: 100 mV Mono
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