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## Bulletin 0105

### Product Overview

# The Spectral DMC-30S Studio Reference Preamplifier

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On the occasion of our twenty-fifth anniversary Spectral released a special reference preamplifier design for serious music enthusiasts. The DMC-30SL commemorates twenty-five years of state-of-the-art preamp design at Spectral beginning with the company's first revolutionary products which were introduced in the mid 1970s. The DMC-30SL has again redefined the art of preamplifier design with a comprehensive array of engineering breakthroughs which set new sonic standards and raise the bar on signal accuracy in the most demanding systems. Now Spectral introduces the DMC-30S Studio Reference Preamplifier based on the engineering refinements developed for the DMC-30SL anniversary reference preamp. The original DMC-30 now encompasses the innovative signal advances pioneered in the DMC-30SL while continuing to combine state-of-the-art performance with exceptional value.

The heart of the new DMC-30S preamplifier is Spectral's remarkable SHHA signal technology.

The SHHA module (Spectral High-speed Hybrid Amplifier) takes Spectral's wideband, fast-settling discrete circuit topology to a new level of performance and signal linearity. Using newly available premium discrete components, Spectral engineers have developed a dense, highly optimized surface mount layout topology for higher signal speed and ultra-fast signal extinction. Reduced size of the new all fet, fully balanced topology results in improved cross-coupling and noise isolation for ultra-quiet operation. Even more remarkable given the compact layout of the SHHA module is the exceptional nature of its power capabilities. The SHHA module is a high-current powerhouse producing full output at 1 MHz and one full ampere, setting new standards for headroom and drive capability in a preamplifier line section.

For music enthusiasts and audiophiles alike, the benefits of the DMC-30S are invaluable. The DMC-30S offers an extraordinary level of dynamics, dimension, lifelike detail and transparency while offering a rare combination of remote control convenience and functionality. Superb low frequency detail and articulation exceed the benchmark performance of the remarkable DMC-30. Through improved circuit settling speed, resolution and transient decay are presented with the natural timbre of the event while providing more low level information than ever before. Staging and image holography are further improved over the original DMC-30 and set a new standard.

The DMC-30S Studio Reference Preamplifier builds on the remarkable performance benchmark of the DMC-30 offering state-of-the-art sonics, new design refinement and extraordinary value in the Spectral tradition. For owners of the original DMC-30, factory revision services will be available to offer complete preamplifier upgrade to DMC-30S performance specifications.