



EMC 1 UP A great CD player...gets even better.

The original EMC 1 received a lot of critical acclaim when it was introduced in 1999. The new EMC 1 UP, launched in 2001, improves on this already excellent design by introducing 24-bit/192kHz upsampling technology. Vital to the EMC 1 UP's performance is a unique cancellation system which effectively cancels acoustic / mechanical vibrations, enabling exceptionally accurate and robust laser pick-up from the spinning disc

The EMC 1UP features a unique cancellation system which cancels acoustic / mechanical vibrations, preventing the laser pick-up from receiving unwanted and sonically degrading signals. The EMC 1UP features our latest, fully balanced symmetrical state-of-the-art circuit design powered by a FTT (Floating Transformer Technology) power supply.

Design concept and construction

The basic design philosophy of the EMC 1UP CD transport is inspired by crucial knowledge ported from the analog turntable. Principally, there is no difference between a record player and a CD player. Both playback systems consist of: a motor, a pick-up and a tone arm. Phenomena such as tone arm resonance found in analog turntables - are just as problematic in typical CD players.

To reduce or remove these phenomena plus other unwanted resonance, Electrocompaniet has developed a proprietary mechanical filter. The mechanical filter has been frequency adjusted by numerous listening tests by our listening panel. The mechanical filter removes internal and external vibration components from entering the laser pick-up assembly, resulting in a superior reproduction with tighter bass, bigger sound stage, precision, high resolution and amazing details.

A new concept brings the CD media to its upmost.

24 Bit upsampler 192KHz DAC improves the headroom by reducing the noise floor approximately 10dB(3x). All analogue circuits are fully balanced and symmetrical, similar to the design of our amplifiers. Four separate power supplies using Floating Transformer Technology (FTT) are feeding the digital unit, the display, the drive mechanism and the analogue unit.

"Enhance the performance of the EMC 1 UP with the Spider Clamp. The spider clamp is developed by Electrocompaniet to make the EMC 1 UP perform even better. In addition to holding the CD down on the spindle the spider also centres the CD on the spindle, this makes the reading of the CD better. The spider is available in three colours: black, blue and silver."

Line section

Single ended gain	1.6X (4dB)
Balanced gain	3.2X (10dB)
THD (1V out, 1KHz)	< 0,002%
Maximum output (Balanced)	> 14V RMS
Channel separation (1V out, 1KHz)	> 90 dB
Equivalent input noise	4 μ V

Digital section

Latest version of Phillips CD PRO Top loading drive unit

24 Bit upsampler 192KHz DAC

Digital out RCA/XLR

Other

True balanced system

Mechanical filter which cancels acoustic/mechanical vibrations preventing the laser pick-up from receiving unwanted signals

FTT Power supply

Fully remote (no volume control)

Power consumption (no load or signal)

23 W

Dimensions

Width	483 mm / 19 inches
Depth	440 mm / 17.3 inches
Height	115mm / 4.5 inches
Weight	20Kg / 44 lbs.