

Is it possible to improve the best?

certainly

CEC Belt Drive CD Transport TL0 3.0  
Music reproduction on its highest level





## CEC Belt Drive CD Transport TL0 3.0

Surpassing the finest - since 1954

In every respect the new TL 0 3.0 embodies a level of perfection that is unprecedented and breathtaking. Handcrafted and assembled in Japan, each TL 0 3.0 is rigorously tested after completion and then “burned in” before being certified.

CEC is legendary for precision. Conventional CD transports tend to amplify even the slightest vibration in the reflective surface of the disc due to the distance the laser beam has to travel. These micro-vibrations scatter light and reduce the integrity of the digital data stream. The TL 0 3.0's revolutionary three part chassis suppresses micro-vibrations and resonances that cause unwanted jitter in the data stream. The elimination of jitter greatly reduces the distortion that too often characterizes CDs as digital rather than musical. CEC has achieved superior isolation of the TL 0 3.0 drive mechanism by using three spiked feet and

a rubber-damped three-point suspension. The drive mechanism is a massive 30 mm sandwich of non magnetic materials with dissimilar resonances: a 20 mm aluminum plate and a 10 mm brass plate. To assure undisturbed operation of the laser pickup, all sources of electro-magnetic interference are physically isolated.

The massive regulated power supply is housed in a separate chassis that may be located up to 1.5meters from the TL 0 3.0 drive mechanism chassis. The drive electronics are enclosed in a 20mm thick nonmagnetic anodized aluminum chassis isolated from the main drive mechanism. The drive and laser motors are electronically, magnetically, and mechanically isolated from the laser pickup and turntable, coupled only by two precision drive belts. The disc drive motor is a cog-free low torque design that is inherently free of vibration.

The drive belt multiplies its torque to spin the compact disc on a precision spindle/thrust bearing assembly and supports a 125mm diameter stabilizer clamp weighing 450grams. With inertia comparable to the most massive analog turntable, the flywheel effect of the TL 0 3.0 disc stabilizer achieves perfect rotational stability without the constant electronic servo corrections required in all other CD transports. As a further benefit, the disc stabilizer covers the entire top and outer edge of the CD to prevent light scattering and internal reflections.

Pride, craftsmanship, and music reproduction on compact disc have reached a new plateau with the CEC TL 0 3.0.

The result: music reproduction on its highest level.



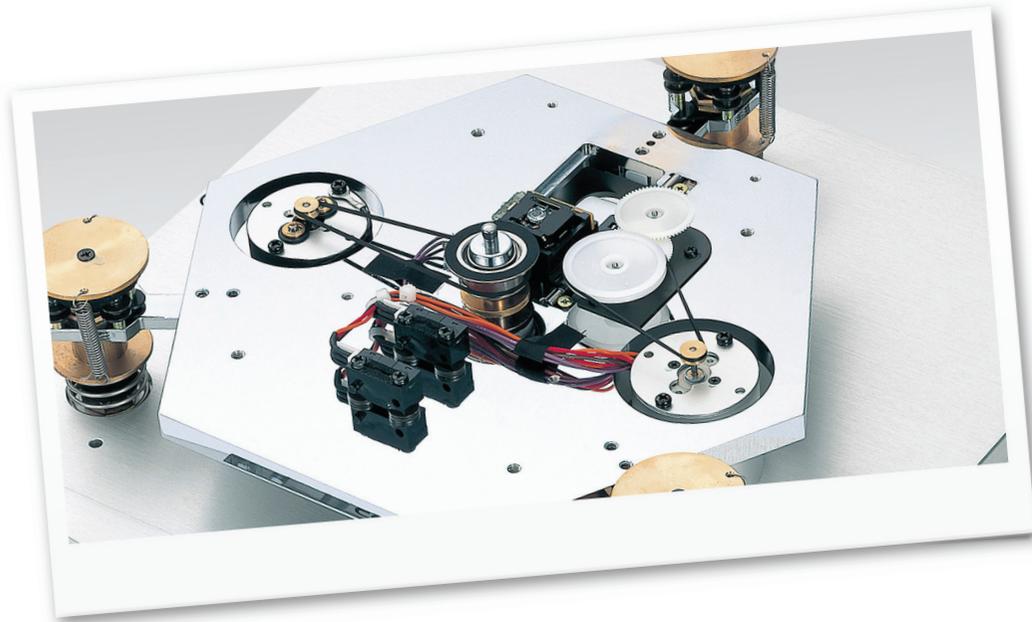
## CEC Belt Drive CD Transport TL0 3.0 with CEC Superlink interconnect system

### Specifications

Drive System	Double Belt Drive //Spindle and Pick-up
Playable Discs	Audio CDs & Finalized CD-R/RW
CD Stabilizer	Diameter 125mm, weight 460g (Brass, nickel plating) inertia moment 6.6 x IO-4N,m.s2
Spindle Shaft	5mm in Diameter
Suspension	D.R.T.S. (Double Rubbers and Triple Springs) with Three Tiptoes legs
Main Mechanism Chassis	Hexagon shaped aluminum in 20 mm thick and brass in 10 mm thick: combination of two diffe- rent metallic materials
Operation Housing	Aluminum in 20 mm thick

### Specifications

Digital Output	<ul style="list-style-type: none"> <li>• Super Link x 1 (BNC x 4) 2.5Vp-p/75Ω</li> <li>• AES / EBU (XLR, hot=pin 2) x 1 2.5Vp-p/110Ω</li> <li>• Coaxial x 1 0.5Vp-p/75Ω</li> <li>• TOS x 1(optical): -21~-15dBm EIAJ</li> </ul>
Word Clock Input	• BNC x 1: 44.1kHz
Power supply	AC 120 / 230V 50 / 60HZ
Power consumption	12 w
Dimensions	Transport: approx. 300(W) x 317(D) x158(H)mm Power box: approx. 128(W) x 260(D) x 103(H)mm
Weight	Transport: approx. 16kg Power box: approx. 3.2kg
Color	Silver



## CEC Belt Drive CD Transport TL0 3.0

Wholeheartedly recommend

CEC opened a new chapter in music reproduction in the spring of 1992 with the world's first Belt Drive CD Transport, the already famous TL1. Creative mastery of vibration control techniques resulted in this landmark product whose uniquely analog musicality has been hailed as nothing less than a revolution in digital audio.

The TL1 is considered to be the finest instrument for the most musically satisfying digital reproduction by music lovers, high end amplifier and loudspeaker manufacturers, and the high end audio press around the world. Now with the CEC TL0 3.0, the breakthroughs of the previous TL1 TL0 and TL0 X have been refined even further than we imagined possible just a few years ago.

Test reports in international magazines as well as the testimony of our satisfied customers worldwide confirm that

we have achieved our musical objective: music reproduction on its highest level.

CEC's flagship model TL0 X will be refined for 2014 as TL0 3.0. - Major points of improvement are as follows:

1. The servo PCB circuit has been redesigned to shorten the signal pass and strengthen the grounding. This will minimize the deterioration and the distortion of the digital signal recorded on the CD.
2. Word-clock input has been newly installed. Having the same outer clock as the D/A converter, jitter will be remarkably minimized to improve sound reproduction.
3. The height of CD stabilizer (puck) has been decreased by 5 mm to stabilize the rotation of the disc.

4. CEC's original Superlink connection has been fitted for the first time in the TL0 series. When connected to the D/A converter equipped with Superlink inputs, the shortest and most direct digital signal transportation is available without passing through encoding and decoding procedure. The left/right-clock data, bit-clock data and digital audio music data are all transmitted from the CD-transport to the DAC while the master-clock is generated inside the DAC and sent to the CD-transport.

5. The external appearance has been upgraded for the first time since it's original release in 1993. The visible fixing screws and housing have been minimized at each edge of the housing components.



## CEC Belt Drive CD Transport TL0 3.0

Highly regarded by music lovers

Forget any notion of 'digital hardness': the CEC sound is beguiling, with a lyrical, flowing quality that never fails to draw you into the musical event. A delicious encounter! (*hi-fi news | UK audio magazine*)

The CEC TL 0 sounded breathtaking and, yes, musical. The nature of its sound may be taken for a validation of its design criteria in eliminating jitter from the datastream. (*Linnman, SixMoon.com*)

Detail, richness of tone and spatial information are just glorious. The concentrated application of know-how, innovative capacity and decades of experience have quite obviously paid off. (*hi-fi news | UK audio magazine*)

On more than one occasion I sat down to write a description of these products only to find myself getting lost in musical treasures from my CD collection. (*hi-fi news | UK audio magazine*)

The most overwhelming sonic characteristic of the TL 0 was its ability to lift a perfectly immense amount of information from the disc and feed it to the processor in question. It was eloquently and enormously hyper-detailed to the limits of my ability to hear. No matter what the material, it seemed as though everything encoded in the pits was making it out.

(*Jonathan Scull, stereophile*)

The sound quality is world class. Perhaps the most beautiful CD drive, plays easy into the top reference. (*STEREO | audio magazine*)

The CEC TL 0 is an excellent and rare example of advanced mechanical engineering. (*Linnman, SixMoon.com*)

CEC TL 0 shows an outstanding, independent interpretation of digital technology of the 21st century. (*STEREO | audio magazine*)