

# CEC

since 1954



## CEC TL 2N - Double Belt Drive CD Transport

Surpassing the finest since 1954 - 100% handcrafted in Japan

CEC opened a new chapter in music reproduction in 1991 with the world's first Belt Drive CD Transport, the now famous TL 1. Creative mastery of vibration control techniques resulted in this landmark product whose uniquely analog musicality has been hailed as nothing less than revolutionary in digital audio. Since then CEC has continued to improve on its designs and launched many globally highly acclaimed and awarded devices. With the CEC TL 2N, the breakthroughs of the previous double belt drive system have been refined even further than we imagined possible. The completely new developed double belt drive

mechanism has been installed to be fully centered on a larger aluminum chassis for increased stabilization of rotation and no adjustment of mechanism height. While the double belt drive system with the large diameter precision flywheel stabilizer improves the accuracy of reading the music signal. The detail, richness of tone and spatial information are just breathtaking. The concentrated application of technical knowledge, innovative capacity and decades of experience have paid off. Pride, craftsmanship, and music reproduction on compact disc have reached a new summit with the CEC TL 2N double belt CD Transport.



The ultimate task of a high end audio component is to breathe life into reproduced music and convey to the listener that the soul of the performer lives in each musical event. 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.** More information: [www.cec-international.com](http://www.cec-international.com)

The Drive | [www.cec-international.com](http://www.cec-international.com)

# CEC TL 2N - Double Belt Drive CD Transport

In order to read the signal recorded with Constant Linear Velocity (CLV) on the CD, rotational speed should be decreased as it tracks the outer edge of the disk. Usually the spindle motor controls the variation of speed. All CD players and transports place the spindle motor beneath the turntable for the CD and the motor shaft works as the turntable center, this is called a direct drive system. The advantage of the CEC belt drive CD system over the normal direct drive has been proved by the long life of CEC's world's first belt-drive system, since its introduction in early 1990's. Simply, in order to eliminate the vibration and electromagnetic noise from the motors (*both spindle motor for CD and feed motor for laser pick-up*) a double belt-drive system has been utilized, enabling the motors to be located away from the spindle and laser pick-up. A large (Ø 12cm 380 grams) stabilizer to the turntable itself, increases the effective mass and inertial stability, high flywheel effect, stabilization of the disc rotation.

The proprietary CEC SUPERLINK connection system transmits music signals and synchronization clock signals separately with 4 BNC 75Ω cables, requiring no encoding/decoding process for data transmission, and using the master clock generated by the D/A converter to achieve a closed loop synchronization. The transmission system minimizes deterioration of the music signal and jitter. Sampling frequency of CDs is 44.1kHz, this can be upsampled to 88.2kHz or up to 176.4kHz. (*High resolution field covers even 96 and/or 192kHz as well. CEC's listening test shows 88.2/176.4kHz sound better than 96/192kHz*). Up-sampling is not useful and feasible with SUPERLINK. Enjoy the rich and musical sound reproduced by the new double belt drive CD transport TL 2N with the CEC's proprietary technology.



The musical cohesion, the rich detail and emotionally gripping „analogue-like“ sound is immediately apparent. No other CD drive has sounded so analogue. With the new CEC TL 2N, one can benefit from the advantages of this type of drive.



Test reports in international magazines as well as the testimony of our satisfied customers worldwide confirm that we have exceeded our musical objective: **music reproduction on it's highest level.**

CD Drive System	Double Belt Drive // Spindle & Pick-up
Playable Discs	Audio CDs & finalized CD-R/RW
CD Stabilizer	Ø 120 mm, weight: 380 g (brass)
Digital Output	<ul style="list-style-type: none"> <li>• SUPERLINK: (BNC x 4) 2.5Vp-p/75Ω</li> <li>• AES/EBU 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 <i>(not useful and feasible with SUPERLINK)</i>
Up-sampling	24bit / 88.2kHz, 176.4kHz <i>(not useful and feasible with SUPERLINK)</i>
Consumption	21 W
Power Supply	AC 230/120 V, 50/60 Hz
Dimensions	435 (B) x 335 (T) x 111 (H) mm
Weight	12 kg
Color	Silver or Black

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