C.E.C.

Double Belt-Drive CD Transport

TL3N

CEC's proprietary SUPERLINK connection
and an external word clock input equipped.
Fully conveys the abundant music information from compact discs.

Eliminating vibrations and electromagnetic noises is absolutely essential to achieve truly accurate reproduction of the music information contained in CDs. The newest CD transport TL3N gives the first priority to this aspect.
The double belt-drive CD mechanism has been applied to such a middle class CD transport for the first time. While it improves the accuracy of reading the music signal, the proprietary SUPERLINK connection transmits the read high-quality digital signals in an ideal way to the CEC's compatible D/A converter. Combining with the other D/A converters the external word clock input enables to share the word clock in the system to eliminate jitter as well.
Enjoy the rich and musically sound reproduced by the double belt-drive CD transport with the CEC's proprietary technology.

● Back Panel

● Double Belt-drive Mechanism

■ Double belt-drive mechanism

During the playback the rotation speed of the CD needs to be reduced gradually as playback proceeds outwards, in order to keep its linear speed constant. In most cases, a spindle motor handles this velocity adjustment.
Most CD players and CD transports are designed with a direct-drive system, which places the motor just under the turntable and drives the spindle directly. A relatively large motor is needed to ensure adequate velocity adjustment, making it virtually impossible to be exempt from signal distortion caused by vibration and electromagnetic noise from the motor.
In order to eliminate this problem to improve the quality of the audio signals CEC added a stabilizer to the turntable to increase its effective mass and inertial stability, making it possible to use a smaller motor located away from the spindle, and have it drive the spindle with a belt. CEC also designed an indirect belt-drive system for the pick-up considering the pick-up motor a similar source of noise.

Combining the latest digital data transfer techniques with the tried-and-true abilities of the belt-drive system in providing audio reproduction free of motor noises and the very stable rotation with the big inertia, the newest CD transport offers an unprecedentedly beautiful, precise, rich and deep reproduced sound.

■ Word Clock Input

A BNC terminal is equipped to input 44.1kHz word clock signal generated by an external clock generator. TL3N reproduces the servo clock from the external word clock to combine the system clock resulting in eliminating jitter.

■ Various Digital Outputs

4 digital outputs are equipped; proprietary SUPERLINK, AES/EBU(XLR), COAXIAL(RCA) and TOSLINK(Optical).
SUPERLINK transmits music signals and synchronization (clock) signals separately with 4 BNC 75 ohm cables, requiring no encoding/decoding process for data transmission. It minimizes deterioration of the music signal during transmission and jitter by using the clock signal from the D/A converter's master clock generator to achieve complete synchronization.

Specifications

Transport	
Playable disc	Audio CDs & Finalized CD-R/RWs recorded in audio CD format
Spindle Drive System	Belt-drive
Pickup Drive System	Belt-drive
CD Stabilizer	diameter: 70mm, weight: 330g (Brass)
Digital output	SUPERLINK x 1(BNC x 4): 2.5Vp-p/75 ohm
	AES/EBU x 1 (2pin hot): 2.5Vp-p/110 ohm
	COAXIAL x 1: 0.5Vp-p/75 ohm
	TOS x 1: -21 ~ -15dBm EIAJ
Word clock input	BNC x 1 (44.1kHz)

General	
Power supply	AC120V or 230V, 50/60Hz (Specified on back panel)
Power consuption	7W
Dimensions	approx. 435(W) x 320(D) x 109(H)mm (incl. knobs & legs)
Weight	approx. 11kg (incl. CD Stabilizer)
Accessories	CD Stabilizer, AC cord, Remote control, Two AAA batteries,
	Manual
Color	Silver

>Superlink works with the first priority even when the word clock is coming in.
>Design and specifications are subject to change without notice.

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Safety Precaution	Be sure to operate this product properly once you have thoroughly read the owner's manual.

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