



TWIN BELT DRIVE CD PLAYER

CD2N



**A COMBINATION OF TWIN BELT DRIVE CD TRANSPORT
WITH 32-BIT DAC IN ONE UNIT**

**FOR THE MOST DYNAMIC, ACCURATE AND SENSATIVE SOUND REPRODUCTION
IN ONE CD PLAYER**



CEC are proud to introduce their ultimate CD Player, CD2N

This is the result of their unending research and development that resulted in the production of the TL2N CD Transport and the quality and musicality and sound of the DASL D/A Converter. Now crystallised in one convenient CD Player.

The music signal picked up by stable rotation of the higher quality CD transport, double belt-drive system with the larger diameter (12cm) stabiliser is transmitted by the high-performance and rich musicality DAC, ESS flag-ship model, PRO series to shift to analog signal.

Completely separated digital and analog phases are located in a specialised secondary power supply circuit to maximise the mutual effectiveness the combination between ideal signal pickup and high digital to analog conversion.

This minimises the effect of inevitable electro-magnetic waves generated by the power transformer, and signal ground effect has been strengthened resulting in the improvement of clearness and silence which creates a new impression of music and sound to a level which has never been heard.

■ front panel



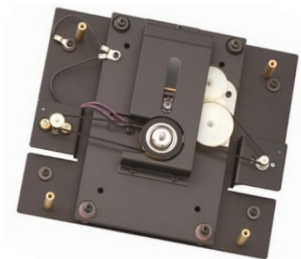
■ rear panel



■ visible belt-drive system under opened CD Door



■ belt-drive mechanism with the larger chassis achieving higher stability as the TL2N



■ massive brass stabilizer of 12cm in diameter and weighing 380 grams



■ UP-SAMPLING

The sampling frequency of CD's is 44.1kHz as a traditional standard.

This can be up-sampled to 88.2kHz or up to 176.4kHz, which is in the field of high resolution music reproduction through internet. (High resolution field covers even 96 and/or 192kHz as well.)

Note: CEC's listening test shows 88.2/176.4kHz sound better than 96/192kHz.

This feature of UP-SAMPLING results in a more precise and natural reproduction of music.

■ WORD CLOCK INPUT

The BNC terminal is equipped to input 44.1kHz world clock, the signal generated by an external clock generator.

The CD2N reproduces the servo clock from the external word clock combined with the system clock resulting in the elimination of jitter.

■ ANALOG OUTPUT

Both conventional type RCA and balanced type XLR connections are available.

We recommend the balanced connection to make the DA SL balanced circuit superiority perform at its fullest.

■ DIGITAL OUTPUT

SPDIF; balanced connection AES/EBU (XLR), COAXIAL (RCA) and TOSLINK (Optical) outputs are available for the digital connection with D/A converter.

■ DISPLAY

Superior Fluorescent and LED display which may be dimmed or even disconnected during music performance is possible.

Dimensions	approx. 435(W) x 335(D) x 111(H)mm (incl. knobs, terminals & legs)
Weight	approx. 11.7kg (incl. CD-Stabilizer)
Accessories	CD-Stabilizer, AC power cord, remote control unit and owner's manual
Color	Silver & Black
Origin	Japan
EAN code	Silver 49 92287 82240 5 & Black 49 92287 82241 2

>Design and specifications are subject to change without notice.

■ DOUBLE BELT-DRIVE MECHANISM

The advantage of belt-drive CD system over the normal direct-drive has been proven by the stability and long life of CEC's world original 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, enabling the motors to be located away from the spindle and laser pick-up has been applied.

The large (12 cm. diam. & 380 gram) stabilizer to the turntable increases its effective mass and inertial stability (high flywheel effect) which stabilizes the disc rotation.

The double belt-drive mechanism has now been positioned just in the center of the larger aluminum and larger chassis for further stable rotation.

The newest CD transport offers and unprecedented precise, rich, deep and beautiful sound reproduction.

■ ESS TECHNOLOGY DAC CHIP

Digital-to-analog conversion is performed by the ESS Hyper stream DAC chip 32bit ES9028PRO from the flagship SABRE PRO series. Extra wide dynamic range (NDR) and ultra-low total harmonic distortion plus noise (THD+N) result in reproducing music with unbelievable breadth and depth of sound and staging.

■ SPECIFICATIONS

Playable disc	Music CD & finalized CD-R/RW recorded in audio CD format
Disc drive system	Belt-drive
Pick-up drive system	Belt-drive
CD-Stabilizer	diameter; 120mm, weight; 380g (brass)
Word clock input	BNC x 1: 44.1kHz
Up-sampling	24bit / 88.2kHz, 176.4kHz
Digital output/ sampling frequency	AES/EBU x 1: 2.5Vp-p/110 ohm (2-pin hot) / 44.1k, 88.2k, 176.4kHz COAXIAL x 1: 0.5Vp-p/75 ohm / 44.1k, 88.2k, 176.4kHz TOS x 1: -21 to -15dBm EIAJ / 44.1k, 88.2k, 176.4kHz
DAC	ESS ES9028PRO x 1
Digital filter	switchable between FLAT and PULSE
Analog output	Balanced XLR (2pin: hot) x 1: 4Vrms Unbalanced RCA x 1: 2Vrms
Frequency response	20Hz to 20kHz±0dB (at FLAT filter)
Signal to Noise ratio	105dB, 1kHz/0dB
Cross talk	105dB, 1kHz/0dB
THD	0.0017%, 1kHz/0dB
AC power	AC120V/230V, 50/60Hz specified on the rear panel
Power consumption	28W

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