

BELT DRIVE CD TRANSPORT

TL51X

Features cutting-edge high-performance belt-drive CD transport
Four-channel digital outputs to satisfy various needs of audio fans
CEC Super Link achieves pure digital signal transfer
Compatible with CD-R/RW playback



CEC

High Sound Quality and High Performance TL51X Belt-Drive CD Player Launched



● Cutting-Edge High-Performance Belt-Drive CD Transport

In 1991, CEC introduced the TL1, the first product to use a belt-drive CD mechanism. All over the world, audiophiles and music lovers took note and gave the product an enthusiastic reception. Never before had such a wealth of detailed musical information been extracted from compact disc. And now, CEC presents the TL51X compatible with CD-R/RW discs, incorporating sophisticated the previous belt-drive technologies.

The TL51X achieves pickup performance that can read the sound signals recoded on the CD surface with the highest levels of stability and lowest levels of noise. In order to read faithfully the highly detailed signal recorded on the CD surface, an extremely quiet mechanism that can stabilize disc rotation precisely on the micro-level and eliminate vibration and resonance is essential. In the TL51X, the spindle motor, which drives the disc, is completely isolated from the mechanics chassis by the belt drive. Any vibration or electromagnetic noise arising from the motor are either shut out or absorbed at the source. In addition, the pickup is mounted in the center of the unit, creating a balancing effect in the chassis below that uses resonance-absorbing material and prevents the sound pressure emanating from the speakers from affecting the operation of the unit. In this way, even minute vibrations are absorbed or shut out both internally and externally.



**CEC Super Link Cable
Supplied in DX51/71 Series**

● Heavy Stabilizer and Efficient Utilization of Wheel Effect Achieve Quiet and Smooth Rotation

In addition to a belt drive, the TL51X uses a heavy stabilizer. This solidly fixes the disc rotation axle, minimizing disc warping and vibration during playback. Moreover, the inertial moment of the large stabilizer and the flywheel effect of the low-torque spindle motor to stabilize the angular velocity*. This completely eliminates any impact from vibration of the spindle motor and servo error. As a result, quiet and smooth rotation is achieved on a level that conventional CD players cannot reach.

* During operation, the change in speed per rotation is 0.0064% at the inner rim and 0.0027% at the outer rim—extremely low levels. Thus, the angular velocity during short periods such as one rotation or several rotations can be considered constant. Also, minor variations in speed according to the line speed of the CD are obtained by controlling the spindle motor using the time information included in the CD subcode.

● CEC Super Link Achieves Pure Digital Signal Transfer

In addition to the standard AES/EBU (XLR), COAX (RCA), and TOS (optical) interfaces, the TL51X also includes the CEC Super Link interface, ensuring ultra-pure jitter-free signal transfer. This provides compatibility with other recording media such as CD-Rs and MDs as well as future formats.

● Vastly Improve Noise Levels and Supply Speed

The TL51X uses an independent high-capacity, quiet power supply with a power supply enhancer to vastly improve noise levels and supply speed.

- TL51X Specifications -

- ▶ **Format**
Belt-drive CD player
- ▶ **Digital outputs**
CEC Super Link (9 pin D-Sub)
AES/EBU (XLR)
COAX (RCA)
TOS (optical)
- ▶ **Power supply**
120/230 V, 60/50 Hz
(Specified on the rear panel)
- ▶ **Power consumption**
10 W
- ▶ **Dimensions (W x D x H)**
435 x 296 x 98 mm
- ▶ **Weight**
9.9 kg
- ▶ **Accessory**
CD Stabilizer, Remote control,
AC Power Cord, Manual
- ▶ **Color**
Standard : Silver, Option : Gold
- ▶ **Belt-drive CD US patent number**
5373495
- ▶ **Belt-drive Europe patent number**
0536699

※Specifications and design are subject to change without notice.



Safety Precaution

- To ensure safety, read the instruction manual carefully and follow all instructions.