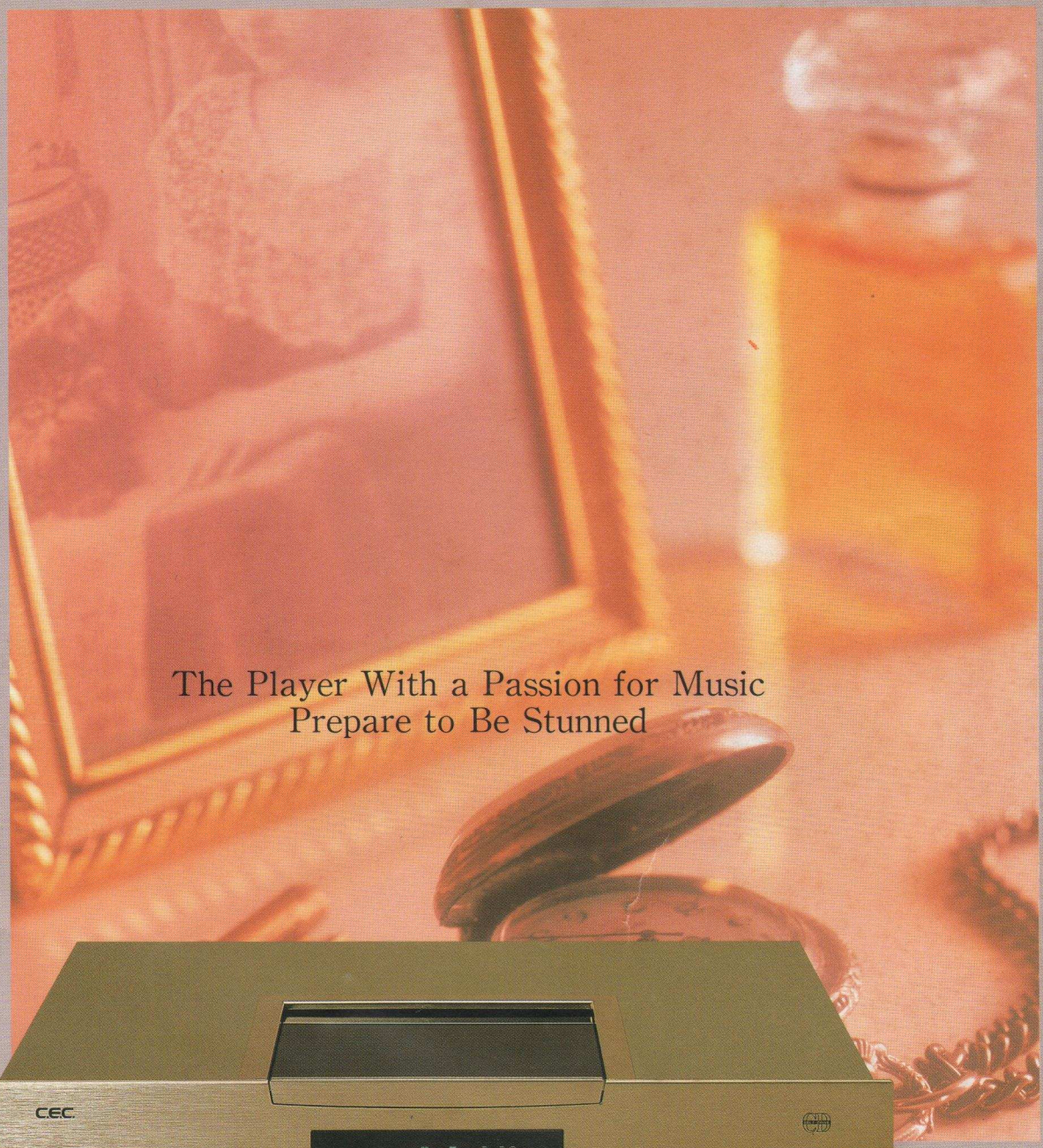
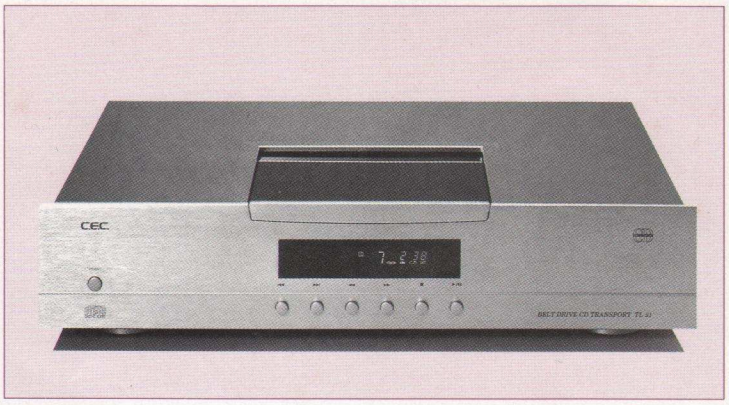
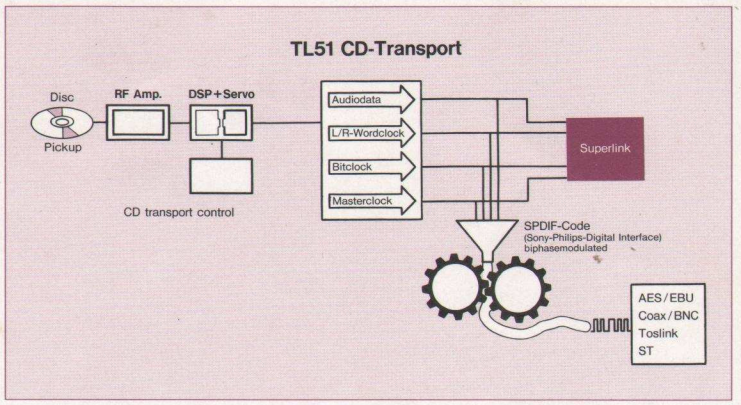
C.E.C.

BELT DRIVE
CD TRANSPORT
TL 51



Signal-Synchronized Belt Drive Assures Ultra Pure Digital Signal Readout : First CD Transport With High-Level Interface.





■Four types of digital interfaces ensure playback quality of the highest order

Unlike conventional CD drive units, the superbly quiet CD belt drive transport is capable of extracting a highly pure digital signal from the disc. But unless this signal is diliver-ed to the D/A converter without deterioration, the advantages of the belt drive principle will be lost. The TL51 therefore incorporates not only three standard interfaces (AES/EBU compliant XLR connector, coaxial RCA type connector, Toslink connector), but also a newly developed CEC Super Link interface that ensures ultra-pure jitter-free signal transfer by using innovative signal synchronization technology. This approach fully preserves the advantages of the belt drive system, resulting in music reproduction that pushes the performance envelope. To utilize the advantages of the CEC Super Link, the D/A converter should be up to the same high quality standards, supporting the same signal processing technology. Music lovers looking for the ultimate Compact Disc reproduction system now can realize their ambitions by combining the model TL51 with the D/A Converter DX51 also from CEC.

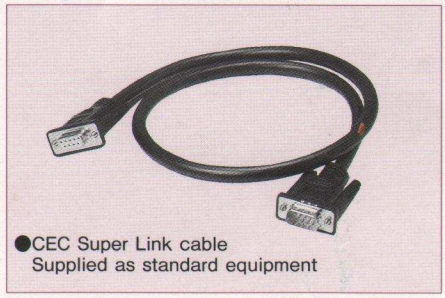
●TL51 and DX51 allows synchronized drive via CEC Super Link

■CEC Super Link digital signal transmission

The Super Link designed by CEC for connecting the CD Transport TL51 to the D/A Converter DX51 offers two decisive advantages which result in a drastic sound quality improvement. First, the TL51 does not blend the entire audio information into a single SPDIF (Sony Philips Digital Interface) data stream. The SPDIF format requires biphase modulation for encoding the clock information, which makes it impossible to extract the audio signal in totally pure form without jitter. The Super Link on the other hand employs the parallel data transfer principle. Unlike SPDIF, encoding/decoding is not required, since the audio data stream and the clock signal are kept entirely separate. The second major advantage has to do with the fact that any digital signal will deteriorate in quality when the transmission distance increases. To minimize sound quality degradation, the optimum point of the digital signal (that is, the point where jitter is at a minimum) should be located as close to the DAC stage as possible. In Super Link operation mode, the master clock is generated very close to the DAC stage, and control is handed over from the CD trasport control at this point. This means that any digital audio signal will be synchronized to the master clock immediately before reaching the DAC stage. This is called a synchronized clock link. The above two points ensure that the valuable music information contained on the CD is retained without any loss when using the Super Link between the TL51 and the DX51.

■Utterly quiet belt drive extracts the music signal with superior accuracy

In order to allow the pickup to faithfully read the signal recorded on the CD, utter rotation stability and freedom from vibrations and resonances are an absolute must. These requirements can be fully met by the belt drive principle. The disc is immobilized using a stabilizer, and the spindle motor driving the disc platter is fully isolated from the mechanics chassis by means of the drive belt. Any vibration or electromagnetic noise components arising in the motor itself are either absorbed or shut out at the source. In addition, the mechanical section is mounted in the center of the unit. This creates a balancing effect that prevents the sound pressure emanating from the speakers from affecting the operation of the unit. In this way, even minute vibrations are neutralized both internally and externally. The lower chassis of the pickup assembly has been treated with a resonance-absorbing material that further enhances signal readout precision. Full control over all aspects of the signal readout process is the secret behind the superb sound of this product.



●CEC Super Link cable
Supplied as standard equipment

〈TL51 SPECIFICATIONS〉

●**Drive Principle** : Belt drive(U.S. Patent No. 5373495. EUROPE Patent No.0536699) ●**Digital Outputs** : CEC Super Link (9-pin D-sub), XLR, RCA and Tos link ●[GENERAL]**Color** : Black (230V units only)/Gold, **Power Consumption** : 14W, **Dimentions(W×H×D)** : 435×290×110mm, **Weight** : 10kg

● Specifications and design are subject to change without notice.

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

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