

# TL53Z

## Dynamism with Transparency

### Belt Drive CD Player

Unique Integration of Analog Belt Drive Engineering  
and Advanced Digital Technology Enables  
Dynamic and Precise Reproduction of Music





### Top-Loading Design Belt Drive CD Player

The TL53Z CD player uses CEC's proprietary belt drive mechanism to minimize the vibration and electromagnetic noise from the motors, enabling the precise reproduction of music signals. The top-loading design allows the use of a stabilizer for maximum disc stability.

### Dual Mono Burr Brown DAC

The TL53Z uses the newest Burr Brown "PCM1792" DAC in a left/right-independent dual/mono configuration with balanced current output. The  $\Delta\Sigma$ -Over sampling setting allows fine adjustment of the sound characteristics (32fs, 64fs, 128fs), and the Digital Filter can be set to 2 different characteristics: "Flat", which offers best frequency response and sharp filtering of ultrasonic noise, and "Pulse", which is optimized for the best dynamic response.

### Low-jitter Crystal Oscillator

The TL53Z uses a newly developed low-jitter crystal oscillator circuit, which forms the basis for accurate and dynamic playback.

### Original Current-Injection Circuit

The cutting-edge version of CEC's proprietary Current-Injection circuit, which converts the DAC output current into an output voltage without any negative feedback circuitry. Combined with the unique LEF circuit, it offers even more improvement in sound quality. The analog circuit is basically a balanced design with an extremely short signal path.

### Advanced Switching Power Supply

The TL53Z uses an advanced switching power supply with an integrated AC line power purifier to avoid issues caused by the AC power line.

### Separate Power Supplies for Transport and D/A-Converter

The TL53Z has separate power supplies for Transport and DAC to enable clean

voltage. They are also separated for the motor, servo, display, digital and analog circuits.

### Massive Extruded Aluminum Enclosure

The TL53Z features an outer casing of massive customized extruded-aluminum. It combines high stability with a refined external appearance.

### Output for Analog and Digital

The TL53Z uses a symmetrical XLR output for consistency with its balanced analog circuit. It also features an RCA output to ensure connectivity with other equipment without balanced input capability. These balanced and unbalanced connectors are gold plated to maximize performance.

Three types of digital connectors (AES/EBU, COAX-SPDIF, TOSLINK) enable connectivity with a wide range of digital equipment.

### Specifications

Audio unit	
Playable Discs	Audio CDs & Finalized CD-R/RWs recorded in audio CD format
Frequency Response	20Hz - 20kHz, +0 / -0.35dB
S / N Ratio	RCA : -101dB, XLR : -125dB (flat)
THD	RCA : 0.014%, XLR : 0.005% (0dB, 32fs)
Channel Separation	RCA : <-113dB, XLR : <-123dB (1kHz,0dB)
Dynamic Range	RCA : 97dB, XLR : 98.5dB
DAC	Burr-Brown PCM1792 × 2
$\Delta\Sigma$ - Over sampling rates	32fs, 64fs, 128fs (selectable)
Digital Filter	Flat, Pulse (selectable)
Output	
Analogue Output	RCA (2Vrms) × 1
	XLR (4Vrms) × 1 (Hot = 2)
Digital Output	TOSLINK × 1
	COAXIAL(SPDIFF) × 1
	AES/EBU(Balanced XLR;HOT=2) × 1
General	
Power Supply	AC100V-240V 50 / 60Hz
Power Consumption	16W
Dimensions	Approx.217.5(W) × 448(D) × 111(H) mm (incl. legs, knobs and terminals)
Accessories	AC Power Cord, Stabilizer, Remote Control Unit, Two AA type batteries, Owner's Manual
Color	Silver

\* Design and specifications are subject to change without notice.

#### Safety Precautions

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

