

C.E.C.

## Belt Drive CD Player

# CD5

## USB Sound System



CEC CD5's New Belt-Drive Mechanism enables user replacement of rubber belt,  
Uses a 32bit/384kHz at PCM and DSD128/5.6MHz compatible USB input,  
and has Headphone output on front panel



Since CEC introduced world's first Belt-Drive CD Transport in the spring of 1992, a lot of music lovers have enjoyed its rich musical sound, which CEC continues to improve on. A heavier stabilizer brings a more stable rotation of the disc and the Belt-Drive system eliminates the affects of vibration and electromagnetic noise caused by the motor rotation. The only problem is that its key component, the rubber belt, does not maintain half-eternal life. But now with the CD 5's new Belt-Drive mechanism you are able to replace the belt without consulting a special engineer.

Digital output and headphone terminal have been added for the first time to a Belt-Drive CD Player. This maximizes the most advanced DAC technology developed by ESS, and the headphone output enables direct listening without amplifier and loudspeaker system.

With USB input connected to PC up to 32bit/384kHz PCM and DSD128/5.6MHz high-resolution music sources can be reproduced through the CD5. Here the CD5 works as the high-resolution music reproduction device in addition to an independent D/A converter for CD music.



● PCM 192kHz playback through USB input, digital filter PULSE

● Rear panel



● Massive brass stabilizer of 7cm in diameter and weighing 330 grams securely holds a disc in place.



### ■ BELT-DRIVE CD MECHANISM

In order to read the signal recorded with Constant Linear Velocity (CLV) on CD, rotation speed should be slowed down as it goes to the outside. Usually the spindle motor controls the variation of speed. All CD players and transports place the spindle motor beneath the turntable for CD and the motor shaft works as the turntable center, this is called direct-drive system. Stable and accurate rotation requires a bigger torque of motor itself, which inevitably creates certain vibration and the electromagnetic noise.

In CEC CD5 Belt-Drive the spindle motor is placed independently from the center shaft and vibration as well as electromagnetic noise effect to the CD are thus minimized. A heavy CD stabilizer provides bigger inertia of turntable and achieves a stable and smooth rotation of discs. Smaller torque motor and longer distance from the motor to the center shaft (turntable) create the ideal fundamentals of music reproduction.

By placing the turntable shaft in the center of the top loading open space the rubber belt replacement is now done with ease on the CD5.

### ■ ESS DAC CHIP

The conversion from digital to analog signal is performed by the ESS Hyperstream™ DAC chip ES9018K2M which is compatible up to 32-bit/384kHz signals. In addition signals through ES9018K2M go through original full-balanced circuit to achieve dynamic and

musical reproduction of music.

CD5 offers two different digital filters, "FLAT", a standard filter with super linear frequency response to 20kHz, and "PULSE", a ringing-free pulse-optimized filter with a softer roll-off below 20kHz. You may select easily by the remote control.

### ■ DIGITAL INPUTS

SPDIF input is compatible up to 24bit/192kHz by COAX and TOS-LINK terminals. USB\* input for the connection to PC is compatible up to PCM32bit/384kHz and DoP reproduction at DSD128/5.6MHz.

### ■ ANALOG OUTPUTS

Both connections are available. Conventional type RCA output, and XLR output terminal for balance connection.

### ■ DIGITAL OUTPUTS

Two outputs are available for CD playback: COAX and TOSLINK.

### ■ LARGE DISPLAY WINDOW

A large display window indicates input status, condition of digital filter, and the input sampling frequency. Independent FL display shows the condition of the performance of CDs.

Three steps may dim the brightness of display.

### ■ SPECIFICATIONS

Playable disc	Audio CD & Finalized CD-R/RW recorded in audio CD format
Spindle drive system	Belt-drive
CD Stabilizer	diameter: 70mm, weight: 330g(brass)
Digital output	COAXIAL x 1: 0.5Vp-p/75Ω TOS x 1: -21 to -15dBm EIAJ
Digital input / Sampling frequency	COAXIAL x 1: SPDIF 24bit/32 to 192kHz TOSLINK x 1: SPDIF 24bit/32 to 192kHz
DAC	ESS ES9018K2M x 1
Digital filter	FLAT / PULSE (switchable) (for DSD playback FLAT only)
Analog output	Balanced XLR (pin2=hot) x 1 / 4Vrms Unbalanced RCA x 1 / 2Vrms
Headphones output	6.3mm x 1

Sampling frequency	20Hz to 20kHz, ±0.1dB (CD playback)
S/N ratio	105dB, 1kHz/0dB
Cross talk	105dB, 1kHz/0dB
THD	0.016%, 1kHz/0dB
Power	AC230/120V, 50/60Hz (specified on rear panel)
Power consumption	17W
Dimensions	approx. 435(W) x 335(D) x 109(H)mm (incl. knobs & legs)
Weight	approx. 8.6kg (incl. CD stabilizer)
Accessories	CD stabilizer, AC power cord, Remote control unit, two AAA batteries, Owner's Manual
Color	Silver

>Design and specifications are subject to change without notice.

1410-A