

# BELT DRIVE CD TRANSPORT

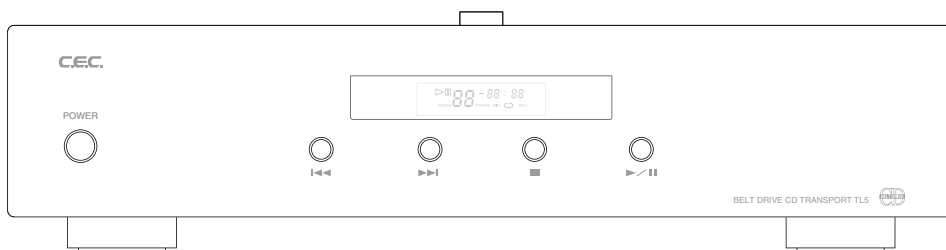
# TL5

## Owner's Manual

Thank you for purchasing a TL5.

Please read through and refer to this Owner's Manual to use your TL5 safely and adequately.

It is recommended to keep the packaging available for future transportation needs.



# C.E.C.

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## Features

- ❑ The new TL5 is a CD transport that uses CEC's proprietary belt-drive mechanism to minimize the vibration and electromagnetic noise from the spindle motor.  
A high precision CD stabilizer, which is a must for the belt-drive system, is an easy-to-handle 7 cm in diameter. The combination between the belt-drive mechanism and heavy stabilizer with a big inertia contributes to the high precision music reproduction.
- ❑ CEC's long history of belt-drive system achieved a new standard, where a user may replace the belt without consulting a specialist.  
You are now free from consulting a belt replacement either at your service center or a dealer, and enjoy music without worrying about the lifetime of a belt.
- ❑ New TL5 features multiple digital outputs; AES/EBU, COAXIAL and TOSLINK.  
The shortest possible signal pass and stability of signal quality have been maintained by direct mounting of all terminals to the single circuit board.
- ❑ The brightness of the fluorescent display can be switched by three steps at your convenience.

## Important Safety Instructions



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to potential electric shock hazards within the product's enclosure.



The exclamation point within an equilateral triangle is intended to notify the user to the presence of important operating and maintenance (servicing) instructions in the accompanying documentation.

**WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this appliance near water.
- 6) Clean only with a dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install this appliance near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) (For USA, Canada: ) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades, with one blade wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit your outlet, consult an electrician for replacement of the obsolete outlet. (For European Countries: ) Do not defeat the safety purpose of the grounding-type plug. This plug has two poles and a third grounding hole. The third hole is provided for your safety. If the provided plug does not fit your outlet, consult an electrician for replacement of the obsolete outlet.

10) Protect this appliance's power cord from being walked on or pinched, especially around the plugs, convenience receptacles, and where it exits from this appliance's casing.

11) Only use attachments/accessories specified by the manufacturer.

12) Only use this appliance with a cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the appliance. If using a cart, exercise caution when moving the cart/appliance combination to avoid injury from it tipping over.



13) Unplug this appliance during lightning storms or when leaving it unused for extended periods of time.

14) Refer all servicing to qualified service personnel. Servicing is required when this appliance itself, its power-supply cord, or plug has been damaged in any way, when liquids have been spilled onto this appliance, when foreign objects have fallen into this appliance, when this appliance has been exposed to rain or moisture, when this appliance does not operate normally, or when this appliance has been dropped.

### CAUTION:

- Do not expose this appliance to drips or splashes.
- Do not place any objects filled with liquids, such as vases, on this appliance.
- Do not install this appliance in a confined space, such as within a bookcase or similar piece of furniture.
- Plug the ac power cord into an easily accessible ac wall outlet, so it can be quickly unplugged in case of emergency.
- Do not remove the protective housing with a screwdriver.
- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- If this appliance seems to be malfunctioning, contact a qualified service station. discontinue use of any malfunctioning unit.

### For CANADA

AC power cord connection

#### Caution:

To prevent electric shock, match the blade width of the plug to the slot width. the plug must be fully inserted to the slot.

# Handling Precautions

## ① Connecting Other Devices

Unplug the AC power cord from the outlet before connecting or disconnecting other devices. Exercise caution when handling the AC power cord. When disconnecting the AC cord from a socket, make sure you pull the plug, and not the cord itself.

## ② Turning Power On/Off

Your system components should be turned on/off in the following order to avoid generating noise from your speakers and damaging the speakers themselves or other devices:

- Turning power on:** Turn on this appliance before turning on the DA converter or amplifier connected to this appliance.
- Turning power off:** Turn off the amplifier before turning off this appliance.

## ③ Optical Semiconductor Laser Pickup

The optical pickup is one of the important components that determine the performance of a CD transport. Never touch the optical lens of the pickup with your fingers, etc. Always place the CD Stabilizer on the CD-Turntable in the CD tray to keep the lens clean when not in use as well.

## ④ CD Stabilizer

Only use the provided CD Stabilizer with this appliance. Commercially available stabilizers may cause this appliance to malfunction.

## ⑤ Handle With Care

Avoid exerting excessive force on the cabinet, the switch, the knob, the terminal and the CD-Turntable on this appliance.

## ⑥ Installation

Use of an audio rack is recommended to maximize the sound quality and performance of this appliance. Installation and use of this appliance in the locations described below may cause deterioration in sound quality or malfunction:

- Locations exposed to direct sunlight, such as windowsills, and other exceptionally warm locations, such as near heating appliances (surrounding temperature higher than 35 °C), or exceptionally cold locations (surrounding temperature lower than 10 °C), may prevent this appliance from functioning adequately.
- Damp locations exceeding 90% humidity may

cause this appliance's metal parts to rust, causing this appliance to malfunction.

- Dusty locations may cause this appliance to malfunction. The accumulation of dust inside the CD tray may lower the performance of music signal reading. It may also cause contact failure of the switches, and/or noise.
- Otherwise, avoid installing this appliance close to other transformers and electrical motors, so as to prevent the pickup of induction hum. Also, avoid mounting this appliance on surfaces that may be affected by vibration.

## ⑦ Avoid lightning strikes

Disconnect the AC power cord from the AC outlet when there is a thunderstorm in your vicinity.

## ⑧ Condensation

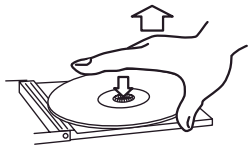
When this appliance is brought into a warm room when the exterior temperature is cold, or when the room temperature rises sharply from using a heater, condensation may form both inside and outside this appliance, hampering its performance. If this happens, leave this appliance unused in the room for 1 to 2 hours (depending on the amount of condensation), so as to bring the temperature of this appliance closer to the room temperature. The condensation should go away gradually.

## ⑨ Listening etiquette

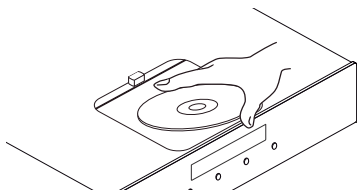
Make sure your playback sound, ex. due to too big sound, does not disturb other people and your neighborhood.

## Compact Disc Handling

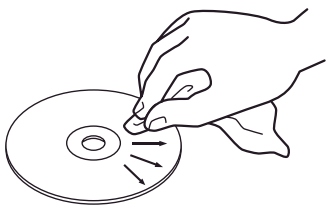
- ❑ When taking a compact disc from its case, lift it out by holding the edge of the disc while pressing down on the center button of the case.



- ❑ Since a compact disc can be played or recorded only on one side, discs should always be placed on the CD-Turntable with the label side up.

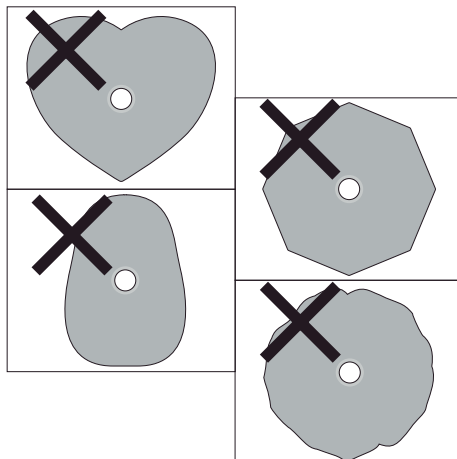


- ❑ Handle compact discs with care so as not to scratch their surfaces. Scratches, fingerprints or soiling may cause reading errors during playback.
- ❑ If a compact disc's surface becomes soiled, wipe it directly away from the disc's center with a soft, dry cloth. Try to keep the discs clean at all times.



- ❑ Never use chemicals such as record sprays, anti-static sprays, benzene or thinner to clean a disc. These may corrode the surface of a disc.
- ❑ Do not place discs in any locations subject to high temperatures and high humidity, or that receive direct sunlight. Keep discs away from radiators and electrical heaters. CD-R/RW discs are especially sensitive to ultraviolet rays, so keep them out of direct sunlight.
- ❑ To avoid dust and scratching or warping of discs that could cause reading errors, replace discs in their cases after use.
- ❑ Do not attach any labels on a disc surfaces. Do not use discs that have Scotch tape, labels, excessive label glue exposed on the surface. These may cause this appliance to malfunction.

- ❑ Do not use cracked discs or irregularly shaped discs (octagonal, heart-shaped, or any other special shapes). These may cause this appliance to malfunction.



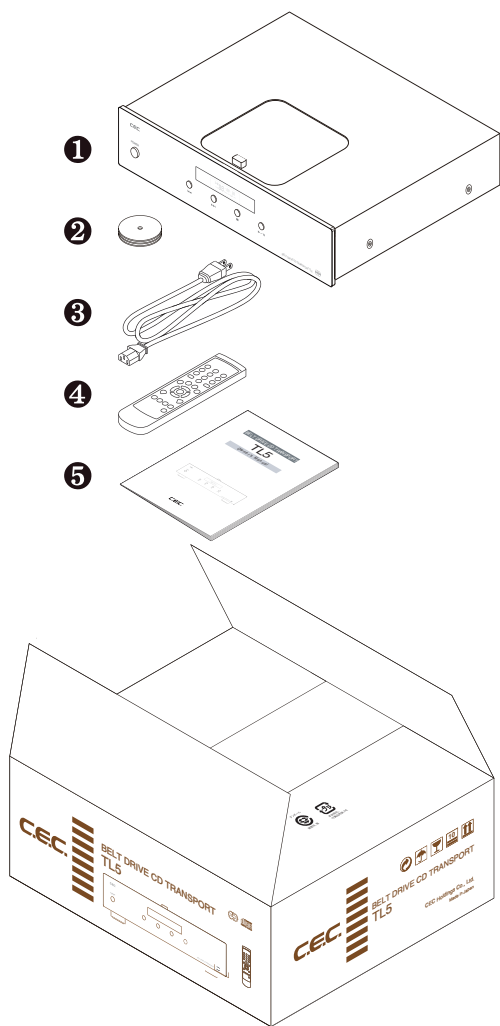
### CD-R/RW DISC

- ❑ This appliance is able to playback CD-R/RW discs recorded in audio CD format and finalized. Some CD-R/RW discs may be unplayable due to the quality of the CD-R/RW disc and/or the quality of the recording.
- ❑ Do not attach stickers or protective seals on discs and do not use any protective coating sprays. If you wish to label a disc, only write on the label side using soft-tipped insoluble pens. Never use ballpoint pens or hard-tipped pens.

## Accessories

### TL5 should contain the following:

- ❶ TL5 main unit
- ❷ CD stabilizer
- ❸ AC power cord
- ❹ Remote control unit RU-217
- ❺ Owner's manual

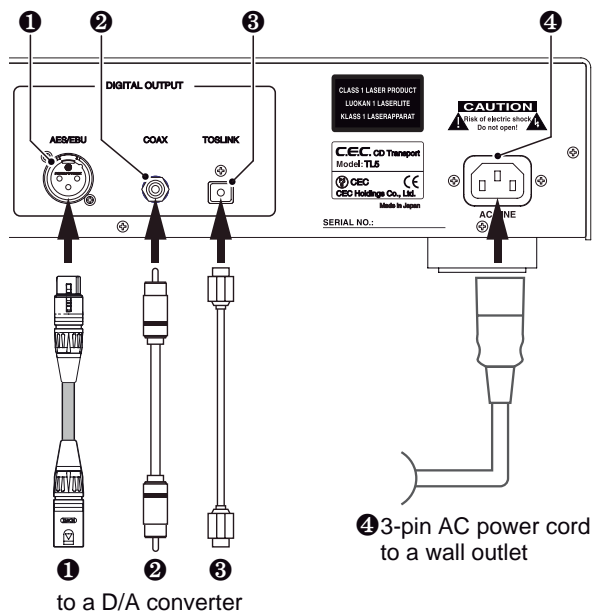


- Keep the packaging available for future transportation needs.
- The power cord is for use with the TL5 exclusively, and should not be used for other devices.

## Specifications

Playable disc	Audio CD and finalized audio CD-R/RW
Drive system	Belt-Drive (spindle)
CD stabilizer	Diameter approx. 70mm, Weight approx. 330g (Brass)
Digital output	AES/EBU x 1: 2.5Vp-p / 110Ω (pin2=hot)
	COAXIAL x 1: 0.5Vp-p / 75Ω
	TOS x 1: -21 to -15dBm EIAJ
Power supply	AC120/230V, 50/60Hz (specified on rear panel)
Power consumption	17W
Dimensions	approx. 435(W) x 335(D) x 109(H)mm (Incl. buttons, terminals, legs, etc.)
Weight	approx. 8.3kg (Incl. CD Stabilizer)
Accessory	CD stabilizer, AC power cord, Remote control unit RU-217, Owner's manual
Color	Silver / Black

- Design and specifications are subject to change without notice.
- Illustrations in the Owner's Manual may deviate from the actual unit due to design improvements.



Make a connection before power on to avoid malfunctions.

## DIGITAL OUTPUT to connect with a digital audio device like D/A converter

### 1 AES/EBU(Balanced)

Balanced digital output with a XLR type connector (1=GND, 2=Hot, 3=Cold). Connect with a digital audio device using a XLR (110Ω) cable.

### 2 COAXIAL

Standard (SPDIF) digital signal output jack with a RCA type connector. Connect with a digital audio device using a RCA (75Ω) cable.

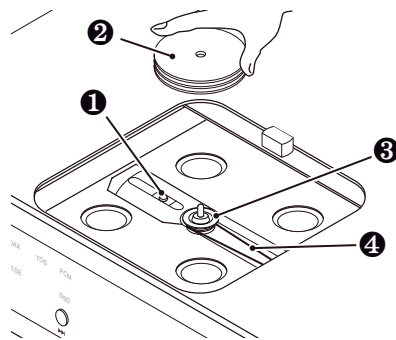
### 3 TOS LINK (Optical)

Optical (SPDIF) digital signal output jack with a square TOS LINK connector. Connect with a digital audio player using an optical cable with a square TOS LINK plug.

## AC POWER

### 4 AC LINE

Connect the supplied 3-pin AC power cord to the AC LINE inlet and the wall outlet.



### 1 Optical Laser Pickup Lens

The optical laser pickup reads music signals from a compact disc. To keep it clean never touch the lens with your fingers, etc., and always close the CD door.

### 2 CD Stabilizer

The CD Stabilizer for TL5 is heavy with a diameter of 7cm and weighing 330g.



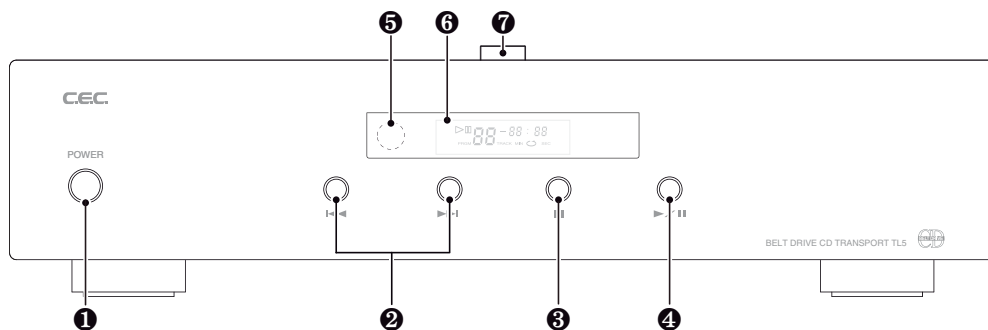
Handle with care. Hold the edge steadily when placing on or removing it from the CD-Turntable in the CD tray. Dropping the CD Stabilizer may damage it and decrease playback accuracy.

### 3 CD-Turntable

Place a compact disc on the CD-Turntable, and place the CD Stabilizer on top of the disc. The CD Stabilizer can be placed on the CD-Turntable when not in use, even when no disc is in place.

### 4 Rubber Belt

Square rubber belt to drive a disc on the CD-Turntable. Periodic maintenance is not required. The tension of the belt may be lowered by using for years which may affect the disc rotation accuracy. Refer to page 14 to replace the belt.



## 1 POWER button

Press the POWER button to turn the power ON or OFF.

When TL5 is turned on 6 display will blink "0 0:00" and the unit will check its tray for a compact disc. Approximately 5 seconds later the display will change to indicate the total number of tracks and the total playing time. When there is no disc on the tray the display will indicate "no DISC".

## 2 Track Skip ◀◀/▶▶ buttons

Press the Skip forward ▶▶ or backward ◀◀ button to jump to the next or previous track from the track being played (or displayed).

Pressing the skip backward ◀◀ button during playback, playback will return to the beginning of the track being played. Press the skip backward ◀◀ button twice repeatedly to jump to the previous track.

## 3 STOP ■ button

Press the STOP ■ button to stop playback.

## 4 PLAY/PAUSE ▶/|| button

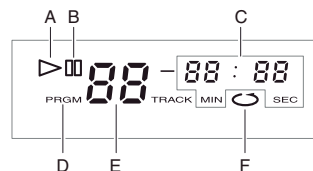
Press the PLAY/PAUSE ▶/|| button to start or to temporarily stop playback.

## 5 Remote sensor

The remote sensor, which receives signals from the remote control unit, is located at the left side of the 6 display window. Aim for this sensor when using the remote control unit. The remote control may malfunction if there are any obstacles between the remote control unit and the remote sensor.

## 6 Display

After reading a table of contents (TOC) the display indicates the total number of tracks and total playback time, and during playback the track number being played and elapsed time are displayed.



**A: Playback ▶ indicator** lights up during playback.

**B: Pause || indicator** blinks during pause mode

**C: Time display** indicates the elapsed time/remaining time for the track being played, total remaining time or total elapsed time.

**D: Programming indicator** lights up during program mode.

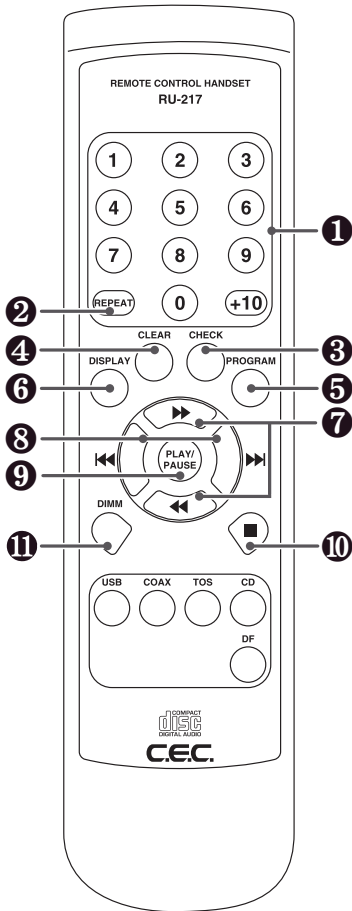
**E: Track number display** indicates the track being played.

**F: Repeat indicator** lights up when repeat mode is enabled.

## 7 CD door knob

Open or close the CD door sliding backward or forward by hand when placing a compact disc on the tray. To keep the inside clean always close the CD door.






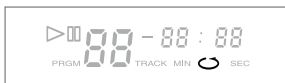
## Key functions

### ① Numeric keys

Press to select a track directly for playback or to enter a programmed playback order. To select ex. 24-track press +10 twice and then 4.

### ② REPEAT button

Press to repeatedly playback all the tracks on a disc. When repeat mode is on, the display will show the repeat  indicator. Press again to cancel the repeat mode.



### ③ CHECK button

Press to check the order of tracks in your current programmed setting. Refer to "Programmed CD Playback" on page 12 for details.

### ④ CLEAR button

Press to clear the current programmed setting. Refer to "Programmed CD Playback" on page 12 for details.

### ⑤ PROGRAM button

Press to enable programmed playback. Refer to "Programmed CD Playback" on page 12 for details.

### ⑥ DISPLAY button

Press to cycle the display through various mode. Each press of the DISPLAY button cycles the display in the following order: track number/elapsed track time (default display) → track number/remaining track time → total remaining time → total elapsed time → back to track number/elapsed track time (default display).

#### ● Elapsed track time (default)



#### ● Remaining track time



#### ● Total elapsed time



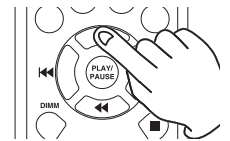
#### ● Total remaining time



- After track-32 remaining track time is not displayed, but " - " and " - - : - - " blink alternately.
- Total remaining time and total elapsed time will not be displayed in the programmed playback mode and/or repeat mode.

### ⑦ Search <</>> button

Press and hold the button to quickly search through the track being played. << searches through the track backwards, and >> searches forwards.



### ⑧ Skip <</>> button

Jump to the previous or next track.

### ⑨ PLAY/PAUSE >/|| button

Press to start or to pause playback temporarily.

### ⑩ STOP ■ button

Press to stop playback.

### ⑪ DIMM button

Press to change the display brightness in different 3 levels.

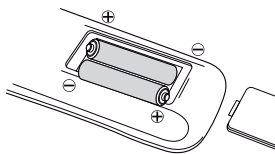
### Precaution on handling the remote control unit

- ❑ When operating the remote control, point it towards the remote sensor on the front panel.
- ❑ Make sure nothing is blocking the front panel where the remote sensor is located.
- ❑ Avoid exposing the remote sensor on the front panel to direct sunlight or other light sources, as such exposure can cause malfunction.
- ❑ The remote control unit may malfunction when its batteries are running low. Change the batteries to new ones of the same type if this seems to be the case.

### Battery Installation

Remove the cover of the battery compartment. Insert two AAA batteries into the compartment.

Make sure that the batteries are inserted with their positive (+) and negative (-) poles positioned correctly, and put the cover back on.



### Battery Replacement Period

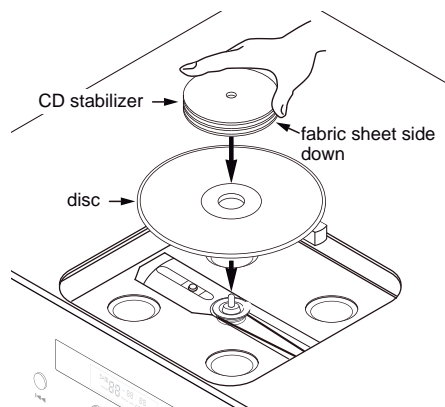
If the distance at which the remote control unit can be used to operate TL5 seems to be decreasing, replace both batteries with new ones.

### Precaution on handling batteries

- ❑ Never use different types of batteries together. Both rechargeable and non-rechargeable batteries can be used, but the two should not be used together.
- ❑ If you will not be using the remote control unit for an extended period of time (more than a month), remove the batteries to prevent leakage.
- ❑ If the batteries leak, use a cloth to wipe away the liquid inside the battery compartment and replace the batteries with new ones.
- ❑ Do not heat or disassemble batteries, and never dispose of old batteries by throwing them in a fire. Dispose of batteries following laws in the local area.

### Normal Playback

- ① Press the POWER button to turn the power on.
- ② Open the CD door sliding backward by hand. When the door is open the display indicates "OPEn".
- ③ Lift up the CD Stabilizer holding the edge securely. Place a disc on the CD-turndtable, and place the supplied CD stabilizer gently on top of the disc.



**Important:** Make sure that a disc and the CD stabilizer have been set correctly and laterally before closing the CD door.

Inclined positioning of CD stabilizer and/or improper connection of CD stabilizer to a disc might cause an unstable rotation resulting in the ability to read music signals correctly.

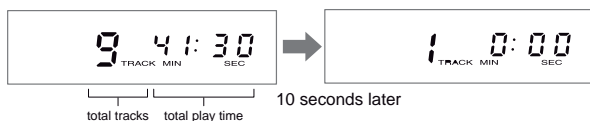
Slightly push the CD stabilizer with your finger for correct location and better mounting to disc.



**Make sure you place the disc on the CD-turndtable with the label side facing up, and place the CD stabilizer on the disc before closing the CD door. TL5 is unable to read the disc unless you place the CD stabilizer correctly.**

**Only use the supplied CD Stabilizer. Any other type of the CD Stabilizer may cause a malfunction.**

- ⑤ Close the CD door completely sliding forward by hand. TL5 should automatically start spinning the disc to read its information, and the total number of tracks and the total playing time should appear on the display. Leaving TL5 without pressing any button the display will change approx.10 seconds later to show the 1st track playback ready.



- ⑥ Press the PLAY/PAUSE ►/||| button to start playback. The playback ► indicator and track number should be shown on the display, followed by the elapsed time for the track being played.



### Skipping track

Press the Skip forward ►► or backward ◀◀ button to jump to the next or previous track from the track being played (or displayed).

**Note:** Pressing the skip backward ◀◀ button during playback, playback will return to the beginning of the track being played. Press the backward ◀◀ button twice repeatedly to jump to the previous track.

### Pausing playback

Press the PLAY/PAUSE ►/||| button to stop playback temporarily. Press this button again to resume playback.

### Stopping playback

Press the STOP ■ button to stop playback.



**Playback will stop automatically if you open the CD door without pressing the STOP ■ button, but it will take a few seconds for the CD-turntable to stop spinning. Do not touch the CD Stabilizer or the disc until those stop completely. Pressing the CD Stabilizer or the disc down excessively may damage the CD mechanism or the disc, or cause TL5 to malfunction.**

### Removing the Disc

Slide the CD Door open with your hand, and remove the CD stabilizer first by holding its edge, and then remove the disc.



**Lifting of the CD stabilizer too quickly or after playing for a long time may cause a disc drop out of the CD-turntable.**



**Lift the CD stabilizer gently in order to avoid damaging disc or by falling down on the center shaft and/or other components of the CD Transport.**

Place the CD stabilizer on the CD-turntable even without disc and slide the CD Door closed with your hand.

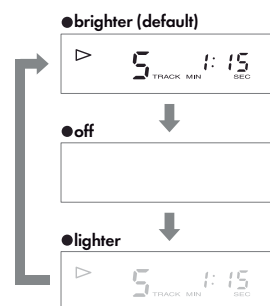
**NOTE:** Do not leave a disc on the CD-turntable when the TL5 is not in use.

## Dimmer

Display brightness can be changed in different three levels. Press the DIMM key on the remote control unit to dim the display. The display brightness will toggle through **brighter**(default), **off** and **lighter**.

### During off mode:

"OPEn" will be displayed in the **lighter** setting temporarily when the CD door is open in the **off** setting. Closing the CD door the display will be **off** again automatically.



- Regardless of the current DIMMER setting it will be returned to the default in case that the power is turned on again.

## Programming

Up to 32 tracks in a customized playback order can be programmed by using the remote control unit while playback is stopped.

- Press the PROGRAM button on the remote control unit to activate the program mode. "PRGM" is displayed, and "1" as temporary track number blinks and "1" as the first playback order is displayed.



- Select a track number by pressing the numeric keys on the remote control unit. The selected track will be added to the program. For example: Press key-5 to add the 5th track to the 1st playback order, then press key-3 to add the 3rd track to the 2nd playback order. Repeat this process to program additional tracks.



- In case that a number beyond the last track number on a disc is selected the last track may be added alternatively.
- After the 1st playback track is added you can select an addition track by pressing skip buttons as well. The selected track number blinks. Then press the PROGRAM button to add the track to the program. In this way press the PROG. button to add the track every after blinking a track number by pressing skip buttons.



- Press the STOP button to complete the programming phase. The 1st playback track number is displayed. If 32 tracks are programmed "FULL" is displayed as well.



## Playback in Program Mode

Press the PLAY/PAUSE button while the "PRGM" indicator is shown on the display to play the programmed tracks.



- To return to the normal playback mode, press the PROGRAM button while playback is stopped. The "PRGM" indicator will disappear from the display. To return to the program mode, press the PROGRAM button again.

## Checking, Adding, Changing and Deleting programmed tracks

Programmed tracks can be checked, added, changed and deleted under the program mode while playback is stopped.

### 1 Checking the playback order of programmed tracks

Press the CHECK button repeatedly to show the playback order of programmed tracks. The display changes to show "-" when you reach the next to the last track in the program.



Pressing the CHECK button again here will display the first track in the playback order.

- If you press the STOP button, the display will jump back to the first track in the programmed order.

### 2 Adding tracks to the program

To add one track to the current program, press the STOP button and select the track number with the numeric keys. The new track will be added to the end of the current playback order. Repeat this process to add more tracks to the program. Press the STOP button to complete the track-adding phase.

### 3 Changing tracks in the program

To change one track in your programmed playback order, press the CHECK button repeatedly until the track number in question is displayed, then select a new track number. The new track will overwrite the existing track. Repeat this process to change more tracks. Press the STOP button to finish the track-changing phase.

### ④ Deleting Programmed Tracks

- All tracks: to clear the entire program, hold down the CLEAR button for more than 2 seconds.
- One track: to clear one track from the program, press the CHECK button repeatedly until the track number in question is displayed, then press the CLEAR button. Repeat this step (CHECK then CLEAR) to remove more tracks from the program.
- The entire program will be deleted automatically when you open the CD door or turn the power off.

### ① Handle the CD stabilizer with care

The CD stabilizer is quite heavy. Please handle it carefully not to drop to damage other equipment and/or furniture. And the distortion of the CD stabilizer may damage the CD reading performance. Please note that it is a quite expensive highly precise component.

### ② When mounting the CD stabilizer

Make sure to mount the CD stabilizer on CD-turntable vertically. An inclination of installation of the stabilizer to the spindle shaft may cause unstable reading of the music signal.

### ③ Don't touch the CD stabilizer before stop

Don't touch the CD stabilizer as well as disc when it is rotating after music. Pressing the CD stabilizer down strongly may damage the CD mechanism.

### ④ Don't touch the pick-up lens

Laser pickup is one of the most important components for the performance of CD player. Don't touch the lens by finger. Make sure to close the CD door when CD player is not used for clean maintenance of the laser pick-up lens.

## Maintenance

- ① If the surface of the TL5 case becomes soiled, wipe with a soft cloth or use diluted neutral cleaning liquid. Be sure to remove any fluid completely. Do not use thinner, benzene, alcohol, chemical cloths or bleaching agents as these may damage the surface of the TL5 case. Also avoid using aerosol insecticides near this appliance.
- ② If dust accumulates on the CD-Turntable, remove it with stick tape (e.g. Scotch tape). Make sure not to touch the optical pickup lens with your fingers.
- ③ TL5 requires no periodic maintenance except the belt replacement mentioned on page 14, and contains no other user-serviceable parts. Contact your dealer or an authorized CEC service center for an inspection and repair in case of malfunction.

## Maintenance of Rubber Belt

Periodical maintenance or check is not required for a rubber belt used for all CEC belt-drive CD transports and players. However, the tension of the belt may be lowered by using for years which may result unstable reading of information on CD, noise during music reproduction and/or jump of the music. The replacement of the belt may solve the problem if it comes from weaker tension of the belt.

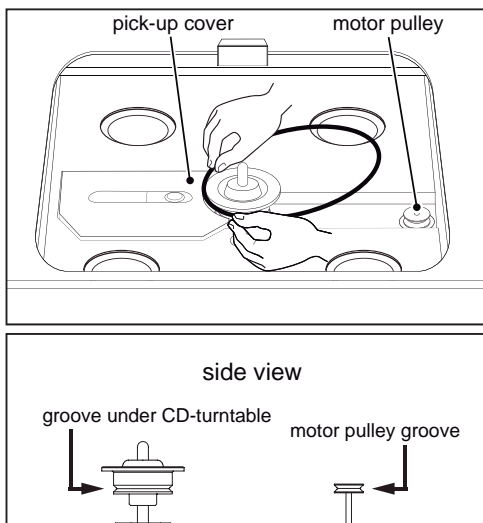
If replacement of a belt does not solve the problem, consult with the dealer that you have purchased.

An average of the life of a belt is 5 years. It is not required to replace if music reproduction goes well even after 5 years.

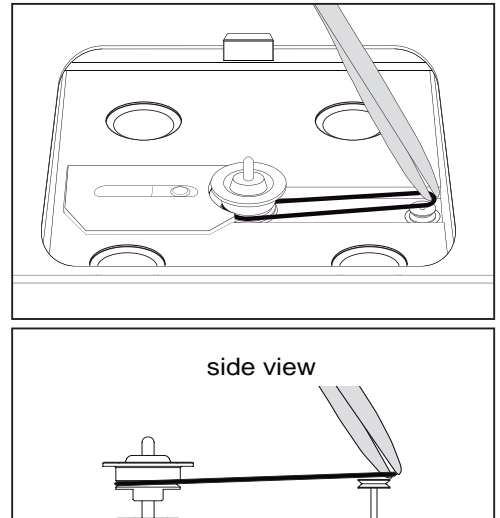
### Replacement of a rubber belt

No other rubber band than CEC original rubber belt can be used for replacement. Require the CEC belt at the dealer that you have purchased.

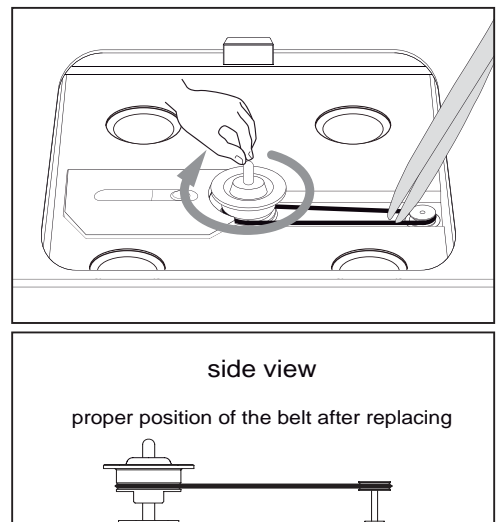
- 1 Remove the old belt.
- 2 Mount a new belt to the groove under the CD-turntable through the clearance between pick-up cover and CD-turntable.



- 3 Then mount the belt to the motor pulley groove. Using a pair of tweezers would be easier to mount.



- 4 Be sure the belt is installed at the grooves and the belt is not twisted. Twist of the belt can be corrected easily by using a pair of tweezers moving the center shaft by hand.



## Troubleshooting

If you suspect a malfunction in this appliance, please check the following chart before calling your dealer.

malfunction	solution
no power	connect completely both ends of AC power cord
no playback	place CD-Stabilizer on CD
	close CD door completely
	place CD label facing up
	clean up CD
sound skipping	change the location or place on a stable rack
	clean up CD
no sound	correct connections as per manual
	select an input with connection
	check connections, input selection and volume setting
	turn off and on all the devices
sound distortion	change to suitable cables
	correct the cable direction
hum noise	connect the RCA plugs completely
interference on tuner	place away from tuner or power off
unresponsive to remote control	turn on the main unit
	install batteries
	replace with new batteries

**TL5 contains a microcomputer that can malfunction due to the external noise or interference. If this seems to be the case, turn the unit off and wait for a short while before turning it back on and trying again**

## Service Contact Preparation

In case you need to contact a service center please prepare the following information.

Model name and serial number:

Purchase date:

Dealer name and contact information:

Description of the unit's problem:



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CEC Holdings Co., Ltd., Japan

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