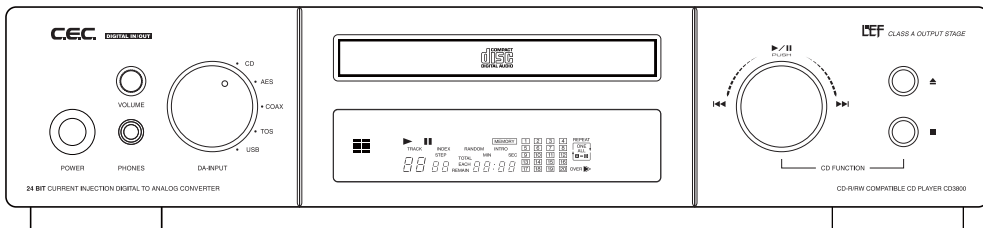


CD PLAYER

CD3800

Owner's Manual



CEC

Content

• Introduction	3
• Features	3
• Important Safety Introductions	4
• Handling Precautions	6
• Compact Disc Handling	8
• Accessories	10
• Front Panel Functions	11
• Rear Panel Functions	14
• Operation	16
• Remote Control Unit	17
• Time Display	19
• Programmed Playback	20
• Precautions on using Remote Control Unit	22
• Cautions regarding Handling	23
• Maintenance	23
• Troubleshooting	24
• Specifications	25
• FCC Certificate	26
• CE Certificate	27

Introduction

Thank you for purchasing CD3800.

Please read through and refer to this Owner's manual to use your CD3800 safely and adequately. It is recommended that you keep the unit's packaging available for future transportation needs.

Features

- CD3800 is a CD player, incorporating a digital servo system for safe and low jitter readout. It is compatible with all type of CD: CD, CD-R, CD-RW, hybrid SACD (CD-layer).
- For making CD3800 more versatile and for opening the very high grade DAC to other digital units, CD3800 has digital audio inputs using the SPDIF standard. External units can use CD3800's DAC connected via the balanced AES/EBU input, RCA or TOSLINK input. In addition CD3800 allows the connection of a computer via USB, so CD3800's DAC can be used as PC sound system.
- CD3800's digital to analogue converter is a very high grade 24bit/192kHz type using the exclusive "Current Injection (CI)" technology that integrates the DAC into the current system of a special designed and feedback-free amplifier. The filtering happens passively, so there is no dynamic distortion to expect and the original DAC current is used inside the amplifier (unlike OP-amp designs). A balanced CI-amplifier improves a much better sound quality than OP-amp-designs, provides excellent measurement results and the shortest possible signal path.
- The output voltage is then driven by the unique LEF current driver for a stable signal output. The LEF driver stage avoids distortions, keeps the signal transistor on an optimum operating point with constant current and constant voltage.
- The whole DAC circuitry of CD3800 is completely balanced and thus also provides balanced XLR outputs in addition to the standard RCA outputs. True balanced circuits provide lower noise and distortion, as well as double slew rate. Combined with true balanced amplifier this operation mode provides the best sound quality.
- For some fine sound adjustment CD3800 offers two different digital filter settings (FLAT and PULSE).
- For headphone friends CD3800 has a pure class-A, feedback-free headphone amplifier. The output voltage matches well to 32Ω headphones.
- CD3800 has a switching power supply with active AC ripple filtering. It makes the sound more independent of the AC power quality and always provides stable voltages regardless of AC-Line over- or under-voltage.

Important Safety Instructions



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to potential 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 THE 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 the unit 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 the unit near any heat sources such as radiators, heating, 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 another. 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 the unit's power cord from being walked on or pinched, especially around the plugs, convenience receptacles, and where it exits the unit's casing.
- 11) Only use attachments/accessories specified by the manufacturer.



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



13) Unplug the unit during lighting storms or when leaving it unused for extended periods of time. Pull the plug, not the cable.



14) Refer all servicing to qualified service personnel. No user servicable parts inside. Servicing is required when the unit itself, its power-supply cord, or plug has been damaged in any way, when liquids have been spilled onto the unit, when foreign objects have fallen into the unit, when the unit has been exposed to rain or moisture, when the unit does not operate normally, or when the unit has been dropped.

Caution

- DO NOT EXPOSE CD3800 TO DRIPS OR SPLASHES.
- DO NOT PLACE ANY OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, ON THE UNIT.
- DO NOT INSTALL CD3800 IN A CONFINED SPACE, SUCH AS A BOOKCASE OR SIMILAR PIECE OF FURNITURE.
- DO NOT PLACE NAKED FLAME SOURCES, SUCH AS LIGHTED CANDLES, ON CD3800
- PLUG THE AC POWER CORD INTO AN EASILY ACCESSIBLE AC WALL OUTLET, SO IT CAN QUICKLY BE 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.
- EXCESSIVE SOUND PRESSURE FROM EAR- OR HEADPHONES CAN CAUSE HEARING LOSS.
- IF CD3800 SEEMS TO BE MALFUNCTIONING, CONTACT A QUALIFIED SERVICE STATION. DISCONTINUE THE USE OF ANY MALFUNCTIONING UNIT.
- REMOTE CONTROL: DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE. BATTERIES SHALL NOT BE EXPOSED TO EXCESSIVE HEAT SUCH AS SUNSHINE OR FIRE.

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 CD3800's 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 to 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 CD3800's power ON first, before turning ON the amplifier connected to CD3800.

Turning power OFF : Turn the amplifier's power OFF first, before turning OFF CD3800.

3. Optical Semiconductor Laser Pickup

The optical pickup is one of the important components that determine the performance of a CD player. Never touch the optical lens of the pickup with your fingers, etc. Close the CD tray to keep the lens clean when not in use.

4. Handle with Care

Avoid excessive force on the cabinet, the switch, the knob and the CD tray of CD3800.

5. Avoid Electrostatic Discharge

Like all complex electronic devices, CD3800 is sensitive to electrostatic discharge. A discharge may cause malfunction or damage.

6. Installation

Use of an audio rack is recommended to maximize the sound quality and performance of CD3800. Installation and use of CD3800 in the locations described below may cause deterioration in sound quality or malfunctions.

- 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 5°C) may prevent CD3800 from functioning adequately.
- Damp locations exceeding 90% humidity may cause CD3800's metal parts to rust, causing the unit to malfunction.
- Dusty locations may cause CD3800 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.
- Avoid installing CD3800 close to transformers and electrical motors to prevent picking up induction hum. Avoid mounting CD3800 on surfaces that may be affected by vibration.

7. Avoid Lightning Strikes Damages

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

8. Condensation

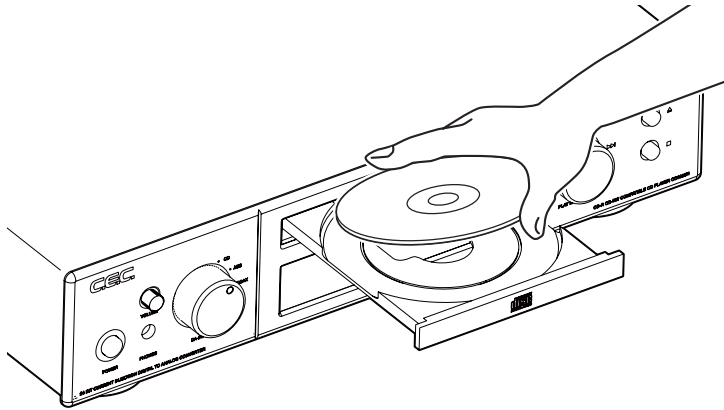
When CD3800 has been brought into a warm room when the exterior temperature is cold, or when the room temperature rises sharply from using a heater, condensation may occur from both inside and outside the unit, hampering its performance. If this happens, leave CD3800 unused in the room for 1 to 2 hours (depending on the amount of condensation), so as to bring the unit's temperature closer to the room temperature. The condensation should go away gradually.

9. Listening Etiquette

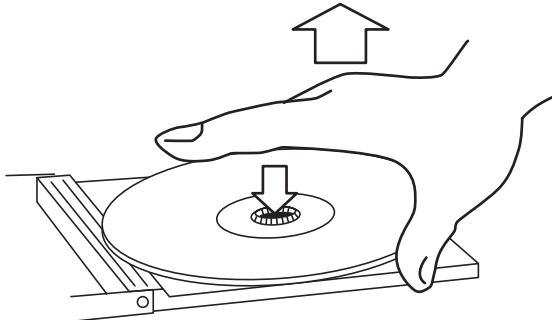
When adjusting the sound volume level, make sure you do not disturb other people and your neighborhood.

Compact Disc Handling

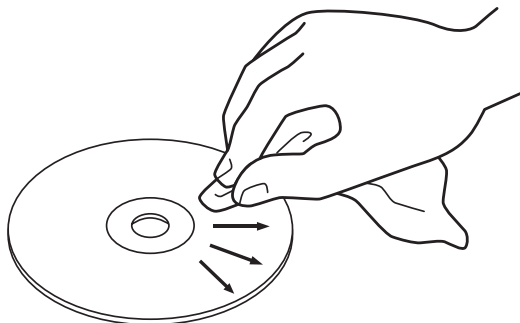
- Since a compact disc can be played or recorded only on one side, discs should always be placed on the CD tray with label side up.



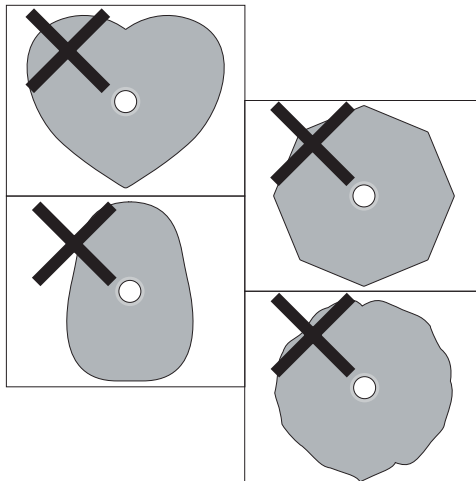
- When taking a compact disc from its case, lift it out by holding the edge of the disc while pressing down on the center button of the case.



- 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 and CD-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 surface. Do not use discs that have Scotch tape, labels, excessive label glue exposed on the surface. These may cause CD3800 malfunction.
- Do not use cracked discs or an irregularly shaped discs (octagonal, heart-shaped or any other special shapes). These may cause the unit to malfunction.



CD-R/RW Discs

- CD3800 is able to play 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 discs 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.

Nonstandard Discs

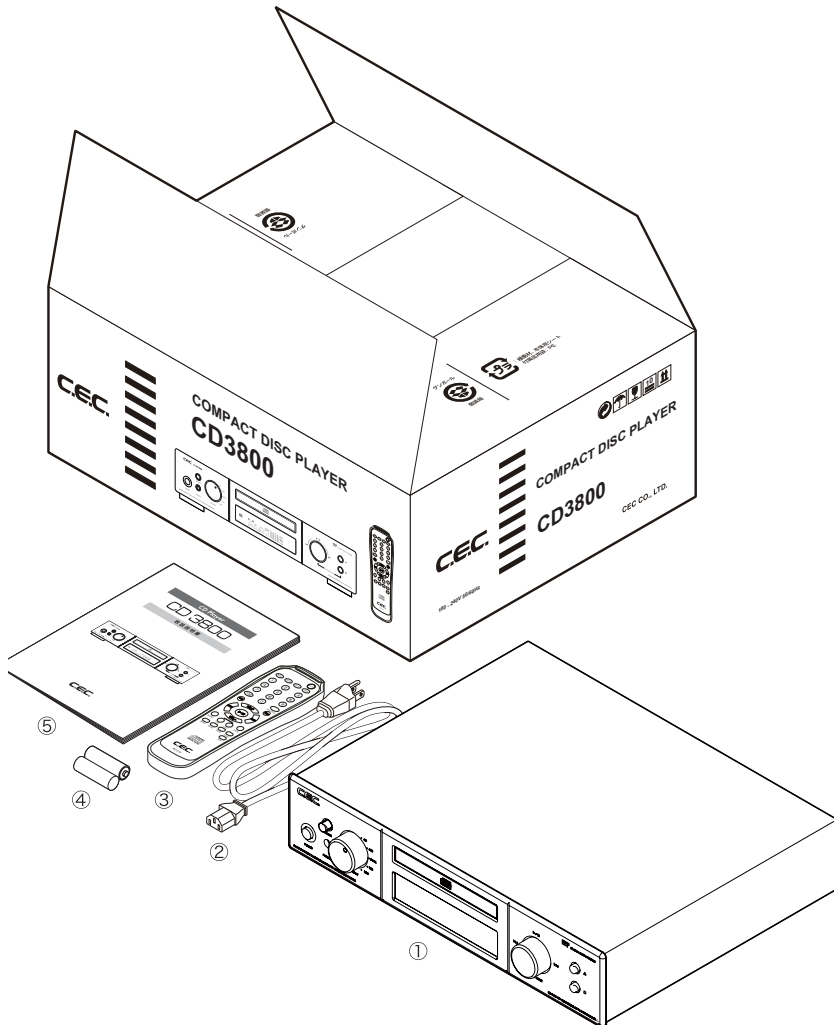
- Copy-protected discs and nonstandard discs may not be playable with this player. If you experience any problems with non-standard discs, contact the manufacturer of the disc first.

Accessories

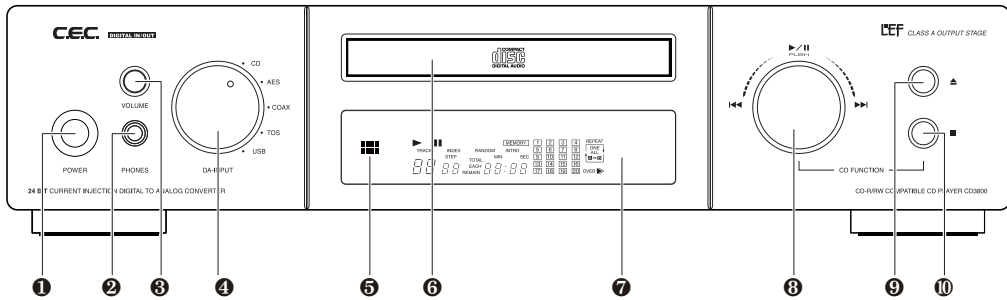
The packaging of CD3800 should contain the following:

1. CD3800 unit
2. AC Power Cord
3. Remote Control Unit
4. Two AAA Batteries for the remote control unit
5. Owner's manual

NOTE: Keep the packaging available for future transportation needs.
The AC power cord is for use with CD3800 exclusively, and should not be used for other devices.



Front Panel Functions



1 Power button

Push the Power button to turn CD3800 ON or OFF. The switch will light up with a blue color while power is ON.

When CD3800 is turned ON, the display will blink "00 -- --" and the unit will check its CD 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. If there is no disc on the tray, the display will indicate "no disc" and all numbers of 1 to 20 at the music calendar (refer to page 12 7 & 10).

NOTE: Approximately 5 seconds after turning CD3800 on, you will hear a small click from the unit as the analog output relay switch activates. Since the sound may be amplified and result in noise from your speakers, wait for at least 5 seconds before turning your amplifier on, or turning up its volume.

2 Headphones Jack

6.3mm standard headphones can be inserted to the jack for headphones listening.

NOTE: The output voltage matches well to 32 ohm headphones.

3 Headphones Volume knob

Turn the Headphone volume knob clockwise for volume up and turn the knob counterclockwise for volume down.

NOTE: Before using your headphones for listening, turn the volume to the minimum and insert the headphones plug into the jack. Excessive sound pressure from the headphones may cause hearing loss to your ears.

4 Digital Input Selector

Turn the Digital Input Selector to select a digital source from CD, AES, COAX, TOS or USB.

*CD: CD Transport inside of CD3800


*AES, COAX, TOS, USB: External digital devices connected to the corresponding digital inputs on the CD3800 rear panel

Selected digital input is converted to analog signal and outputted at balanced XLR and unbalanced RCA outputs on the CD3800 rear panel as well as headphones.

5 Remote Control Sensor

When operating the remote control, point it towards the remote control sensor. Make sure nothing is blocking the CD3800 display window, where the remote sensor is located.

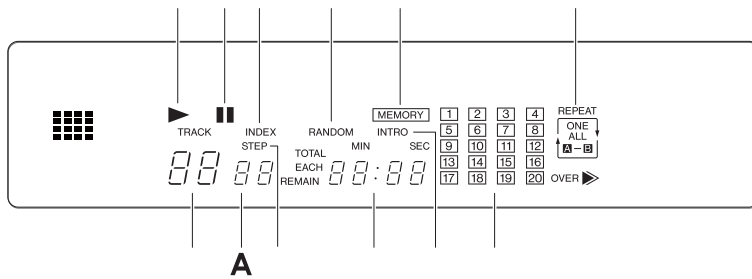
⑥ CD Tray

Press the  CD Tray Open/Close button to open the CD Tray. When the CD Tray is open, the display indicates "OPEn". Place a compact disc in the compartment on the CD Tray. Press the CD Tray Open/Close button again to close the CD Tray.

⑦ Display

After reading the TOC (Table of Contents) of a disc the display will indicate the total number of tracks and the total playing time. When a disc is played the display will indicate the current track and index numbers and elapsed track time being played, and blink the current track number at the music calendar.

NOTE: The display indicates only the CD functions, and does not indicate anything about digital inputs from external devices and D/A converter functions.



- ① Playback indicator: lights up during playback
- ② Pause indicator: blinks in an orange color during pause
- ③ Track number display: indicate the track number being played
- ④ Index indicator: lights up when playing a track with indexes in it and indicates the index number at A being played (without index the display always indicates "1")
- ⑤ STEP indicator: indicates the programmed playback order number at A during the programmed playback mode
- ⑥ RANDOM indicator: lights up during the random (shuffle) playback
- ⑦ Time display: indicates the total playing time during stop, and elapsed track time, remaining track time or total remaining time during playback (only the remote control can change the time display)
- ⑧ MEMORY indicator: lights up in the programmed playback mode
- ⑨ INTRO indicator: lights up during the intro search playback
- ⑩ Music Calendar: blinks the track number being played. If the total number of tracks is over 20 tracks, "OVER" lights up. The played and skipped tracks' numbers light out.

- ⑪ REPEAT indicator: lights up during the repeat playback mode (ALL/ONE/A-B)

NOTE: Refer to "Remote Control Unit" on page 18 for details of ⑤⑥⑦⑧⑨⑪.

- ⑧  PLAY/PAUSE,  FB/ FF knob

Push the knob to start the playback. Push the knob again to pause. Push once again to resume the playback.

NOTE: Pushing the knob when the CD tray is open, the CD tray will be close and the playback will start.

Turn the knob clockwise to jump to next tracks. One click will skip one time.

Turn the knob counterclockwise by one click to return to the beginning of track being played. Two clicks will jump to the previous track.

- ⑨ CD Tray Open/Close button 

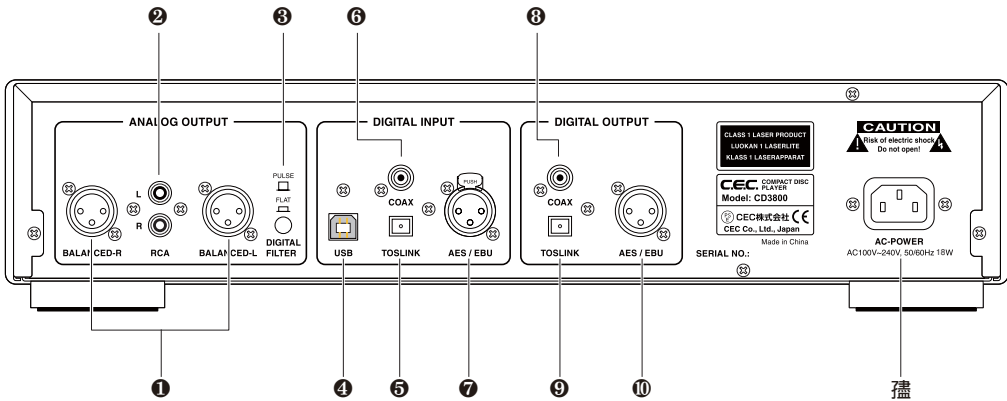
Press the button to open or close the CD Tray.

Pressing the button during playback, the playback will stop and the CD tray will open.

- ⑩ STOP button 

Press the button to stop the playback.

Rear Panel Functions



Analog Output

❶ Balanced XLR outputs

Line out audio signal output jacks equipped with balanced XLR connectors (Pinning: 1=GND, 2=Hot, 3=Cold). Use XLR interconnect cables to connect the XLR outputs to an external amplifier with XLR line input like CEC AMP3800.

NOTE: CD3800 is designed with a fully balanced circuit – using a balanced connection is recommended to maximize its performance.

❷ Unbalanced RCA outputs

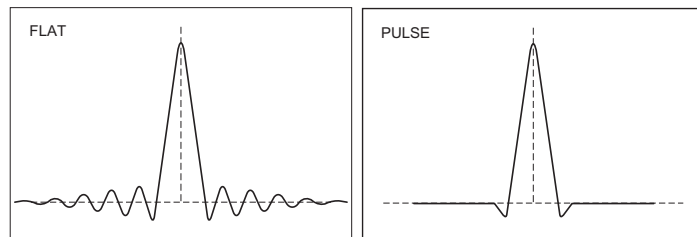
Line out audio signal output jacks equipped with unbalanced RCA connectors. Use RCA interconnect cables to connect the unbalanced RCA output to an external amplifier with RCA line input.

❸ Digital Filter button

Push the button to select a digital filter FLAT or PULSE. Depending on recording quality, the best matching digital filter may vary. Just decide the setting by the actual listening impression.

FLAT is the most common filter for commercial CD player, resulting in a linear frequency response, but due to sharp filtering, some pre- and post-ringing will appear. Pre-ringing is an artificial product, not related to nature.

PULSE filtering reduces pre- and post-ringing a lot, but has a soft roll-off at very high frequencies.



Digital Input

④ USB

Connect to a computer via standard USB cable. This way CD3800 can work as an external computer sound system, compatible with the USB 1.1 standard. No driver installation on the computer is required. Sampling frequencies from 32kHz to 48kHz are supported. The USB cable should be well shielded and better not use ferrite filters.

⑤ TOSLINK (Optical)

Connect to a digital audio device using an optical fiber cable with "TOSLINK" connectors. This input supports sampling frequencies from 32kHz to 96kHz.

⑥ COAXIAL

Connect to a digital audio device using a 75 ohm coaxial cable. This input supports sampling frequencies from 32kHz to 96kHz.

⑦ AES/EBU

Connect to a digital audio device using a 110 ohm balanced XLR cable. This input supports sampling frequencies from 32kHz to 96kHz and should be the preferred standard for common SPDIF connections.

Digital Output

⑧ COAXIAL

Standard digital (SPDIF) signal output jack with a RCA type connector. Connect to a digital audio device with a coaxial RCA input by using a 75 ohm RCA cable.

⑨ TOSLINK (Optical)

Connect to a digital audio device with a TOSLINK optical digital input by using an optical fiber cable.

⑩ AES/EBU

Connect to a digital audio device with a AES/EBU(XLR) input by using a 110 ohm XLR cable.



AC Connector

🔌 AC Line Inlet

Connect the supplied AC power cord to the AC Line.


Operation

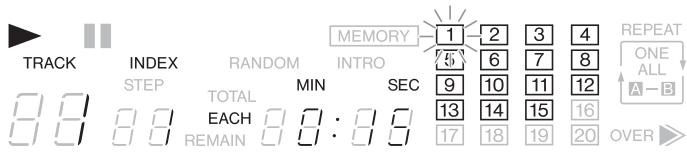
Normal Playback

- ① Push the Power button to turn CD3800 ON.
- ② Turn the Digital Input selector to select CD.
- ③ Press the CD Tray Open/Close button  to open the CD Tray.
- ④ Place a disc in the compartment on the CD Tray with the label side up.
- ⑤ Press the CD Tray Open/Close button  again to close the CD Tray.
- ⑥ While the TOC (Table of Contents) of the disc is being read out, the display blinks "00 -- --", and then will indicate the total number of tracks and the total playing time.



NOTE: When the total number of tracks is over 20 tracks, "OVER" lights up at the lower right side of the display.


- ⑦ Push the PLAY/PAUSE  knob to start the playback. The display will indicate the Play indicator, the track and index numbers being played and the elapsed track time, and will blink the current track number at the music calendar.



NOTE: The played and skipped tracks' numbers will light out.

- Jumping to the next track or previous track

During playback turning the PLAY/PAUSE knob clockwise by one click, jump to the next track. Turning the knob counterclockwise by one click, return to the beginning of the track being played, and turning one more click repeatedly will jump to the previous track. Turning more clicks to jump to a further track.
- Stopping playback temporarily

Press the Play/Pause knob  to temporarily stop playback. Press the knob again to resume playback.

- Stopping playback

Press the STOP button ■ to stop playback.

NOTE: Pressing the CD Tray Open/Close button, playback will stop as well.

- Removing a disc

Press the CD Tray Open/Close button ▲ to open the CD Tray so as to remove a disc on the tray.

NOTE: Do not leave a disc off the CD Tray when CD3800 is not in use or when CD3800 is moved.

Remote Control Unit

- ① MEMO. (Memory) button

Press the MEMO. button to enable programmed playback. You can program up to 32 tracks to play in the order of your choice.

- ② CHECK button

Press the CHECK button to check the order of the tracks in your current programmed setting.

- ③ CLEAR button

Press the CLEAR button to clear your current programmed setting.

NOTE: Refer to "Programmed Playback" on page 20 to 21 for details of ①②③.

- ④ TIME button

Press the TIME button to cycle the display through its various modes.

NOTE: Refer to "Time Display" on page 19 for detail.

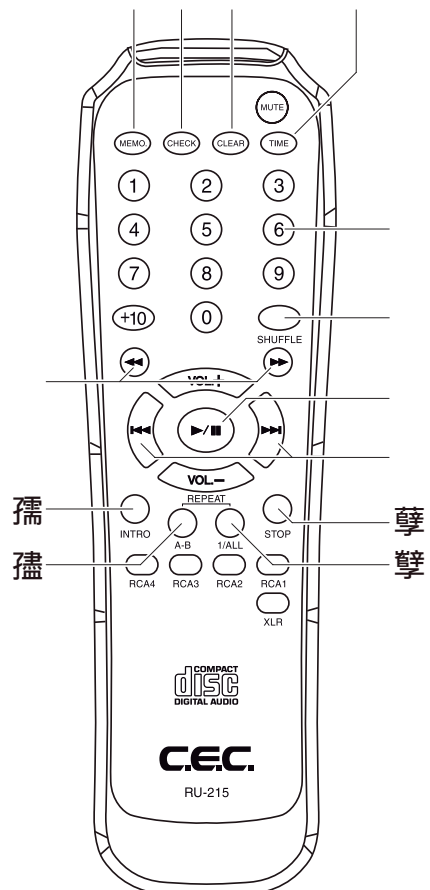
- ⑤ Numeric keys

Press these keys to select and play a track directly, or to enter a programmed playback order.

Example to play track 28: Press +10 > +10 > 8.

- ⑥ SHUFFLE button

Pressing the SHUFFLE button during stop, the display will indicate "RANDOM" and the random playback will start. To cancel the random playback mode, press the STOP button twice or press the STOP button then the SHUFFLE button again.



Pressing the Skip forward **▶▶** button during random playback, a new track will be selected randomly and played. Pressing the Skip backward **◀◀** button, playback will return and start from the beginning of the track being played. You can not access to the tracks already played randomly.

NOTE: In programmed playback mode, random playback won't be active.

⑦ **◀◀ / ▶▶** (Music search) buttons

Press and hold the Search forward or backward button to quickly search through the current track.

⑧ **▶/||** (Play/Pause) button

Press the Play/Pause button to start playback or to stop playback temporarily.

⑨ **◀◀ / ▶▶** (Skip) buttons.

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

NOTE: Pressing **◀◀** button during playback, playback will return to the beginning of the track being played. Press the button twice repeatedly to jump to the previous track. You can not go to the previous tracks during random playback.

⑩ **INTRO** button

INTRO plays the beginning of each track for 10 seconds.

- During Stop: Pressing the INTRO button, the display will indicate the INTRO indicator, then press the Play/Pause button to start the INTRO playback.

- During playback: Pressing the INTRO button, the INTRO playback will start from the track being played for less than 10 seconds, or will start from the next track of the current track being played for more than 10 seconds.

- During INTRO playback: Pressing the Skip buttons, the playback will jump to the next or previous tracks. Pressing the INTRO button again, the playback will return to the normal playback mode in the current track. Pressing the Stop button, the INTRO playback will stop. Pressing the Stop button twice, the INTRO playback mode will be cancelled.

- During stop: Pressing the INTRO button and then the SHUFFLE button, each track selected randomly will be played for 10 seconds. To cancel the INTRO/SHUFFLE playback press the STOP button twice.

⑪ **REPEAT A-B** button

During playback press the REPEAT A-B button to designate the point where the repeat playback should start (point A). The display will indicate "REPEAT" and "A". Press the A-B button again at the ending point (B). The display will indicate "B". The portion from A to B will be played repeatedly until pressing the A-B button again to terminate the repeat function. The repeat A-B mode will be cancelled also by pressing 1/ALL, STOP, INTRO, Skip backward/forward **◀◀ / ▶▶** or numeric keys.

NOTE: During INTRO or RANDOM playback, the repeat A-B playback is not active.

☞ REPEAT 1/ALL button

Pressing the REPEAT 1/ALL button once, the display will indicate "REPEAT ALL" and all tracks in a disc will be played repeatedly. During stop press the Play/Pause button to start the all repeat playback.

Pressing the 1/ALL button twice, the display will indicate "REPEAT ONE" and the current track is played repeatedly. During stop select a track by pressing the Skip buttons and press the Play/Pause button to start the one repeat playback, or select and start by pressing the numeric keys. During playback the track being played will be played repeatedly. To play another track repeatedly select the designated track by pressing the skip buttons or numeric keys.

Pressing the REPEAT 1/ALL button again, the repeat playback mode will be cancelled. Pressing the STOP or REPEAT A-B button, the repeat mode will be cancelled as well.

NOTE: During random playback, the one repeat playback is not active.

☞ ■ STOP button

Press the STOP button to stop playback.

NOTE: The other buttons on the remote control unit work for CEC AMP3800 but not for CD3800.

Time Display

Press the TIME button to cycle the display through its various modes.

- 1 During stop: indicates the total number of tracks and the total playing time.



- 2 During playback: indicates the track number and elapsed time being played.



- 3 Pressing the TIME button once during playback: indicates the track number and remaining time being played.



- 4 Pressing the TIME button twice during playback: indicates the total remaining tracks number and total remaining time.



Programmed Playback

- Programming tracks

You can program up to 32 tracks in a customized playback order by using the remote control unit in stop mode.

- (1) Press the MEMO button to enable the program mode. The display will indicate "MEMORY" and blink the "TRACK" and "STEP" numbers.



- (2) Press the numeric buttons to select a track. The selected track will be automatically stored in the program memory order. Repeat this process to store more tracks. The total number of programmed tracks is indicated at STEP section on the display (blinking 5 means 4 tracks programmed). The programmed tracks' numbers are indicated at the music calendar. When 32 tracks are programmed, the display will indicate "FULL".



NOTE: Selecting a track number over the tracks in a disc, the last track number in the disc will be programmed.

NOTE: Instead of using the numeric keys you can select and store a track by pressing the skip buttons and then MEMO button. After every track selection pressing the MEMO button is required to program the designated track.

- (3) Press the STOP button to complete the programming phase.

- Playback in program mode

While the display indicates "MEMORY", press the Play/Pause▶/|| button to play the programmed tracks. The display will blink the track number being played at the music calendar.

To return to the normal playback mode, press the MEMO button while playback is stopped. The "MEMORY" indicator will disappear from the display.

To return to the program mode, press the MEMO button again.

- Checking, adding, changing and clearing programmed tracks

You can check, add, change and clear the programmed tracks during the program mode while playback is stopped.

- Checking the programmed contents

Every time the CHECK button is pressed, the track number and STEP number appear in the programmed order. After the last programmed track is displayed, "- -" will appear. Pressing the CHECK button again, the display will show the first programmed track.

NOTE: Pressing the STOP button, the display will return to the beginning of display mode.



- Adding a track

To add a new track to the current program, press the STOP button and select the track number with the numeric keys. The 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.

- Changing a track

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

- Clearing all tracks or a track

To clear the (all tracks) entire program, press and hold the CLEAR button for more than 2 seconds.

To clear a track from the program, press the CHECK button repeatedly until the track and STEP numbers in question are displayed, then press the CLEAR button. Repeat the step (CHECK > CLEAR) to remove more tracks from the program.

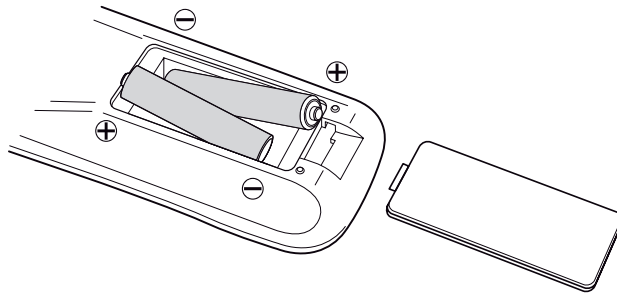
NOTE: The entire program will be cleared automatically when you open the CD Tray or turn the power OFF.

Precautions on Using the Remote Control Unit

- Avoid exposing the remote control sensor on CD3800's front panel to direct sunlight or other light sources, as such exposure can cause malfunction.
- When operating the remote control, point it towards the remote control sensor.
- Make sure nothing is blocking CD3800's front panel, where the remote control sensor is located.
- Battery drain may cause the remote control unit to malfunction. Change the batteries to new ones of the same type (AAA) if this happens.
- This manual only explains how to use the remote control unit with CD3800, but this unit can be used for CEC AMP3800.
- The remote control unit should be handled with care. Dropping it can result in damage.

Battery Installation

Remove the cover of the battery compartment. Insert the provided 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

If the distance at which the remote control unit can be used to operate CD3800 seems to be decreasing, the batteries may need to be replaced.

Cautions on handling batteries



Never use different types of batteries together. Both rechargeable or 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.

Cautions Regarding Handling

- Although selecting a digital input other than CD during CD playback, the CD playback won't stop. Press the STOP button to stop the CD playback.
- Digital signals inputted from external digital devices are converted to analogue signals and outputted to the analogue balanced XLR and unbalanced RCA output terminals but not to any digital output terminals.
- Use an audio rack or other proper stand for optimized sound quality.

Maintenance

- If the surface of the CD3800 case should become 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 CD3800 case. Also avoid using aerosol insecticides near the unit.
- If dust should have accumulated on the unit, remove it with lightly sticky tape (e.g. Scotch tape). Make sure not to touch the enclosure with any tools or other hard parts.
- CD3800 requires no periodic maintenance and contains no user-serviceable parts. Contact your dealer or an authorized CEC service center for inspection and repairs in case of malfunction.

Troubleshooting

If you suspect a malfunction of the unit, please check the following chart before calling your dealer.

No Power

- Check the connection at the both ends of the AC power cord.
- Make sure there is power at the wall outlet.
- Check the power switch position.

No Playback

- Check the disc is placed with its label facing up.
- Clean the disc surface if it is soiled.

No Sound

- Check the connection to the amplifier.
- Check the connection to the speakers.
- Check the position of the amplifier input selector.
- Check the amplifier operation and volume setting.

Sound Skipping

- Place the unit on a stable rack to prevent the vibration effects.
- Clean the disc surface if it is soiled.
- Do not use scratched, damaged or warped disc.

Hum Noise

- Check the pin plugs are connected adequately.

Interference on TV or tuner

- TV or tuner is too close to CD3800.

Install CD3800 away from it or turn OFF TV's or tuner's power.

Unresponsive to remote control

- Point the remote control towards the sensor on the front panel.
- Remove any objects blocking the sensor.
- Use the remote control at a shorter distance from CD3800.
- Replace the batteries in the remote control unit with new ones.

NOTE: CD3800 contains a microcomputer that can malfunction due to external noise or interference. If this seems to be the case, turn the unit OFF and wait for a short while (about 10 sec.) before turning it back on and trying again.

Service Contact Preparations

- Model name and serial number
- Purchase date
- Dealer name and contact information
- Description of the unit's problem

SPECIFICATION

Playable Discs	Audio CD & finalized CD-R/RW recorded in Audio CD format
Frequency Response	20Hz – 20kHz, +0/-0.2dB (D.F. FLAT)
S/N Ratio	RCA: -122dB, XLR: -130dB (D.F. FLAT)
Harmonic Distortion	RCA: 0.018%, XLR: 0.006% (0dB, 1kHz)
Channel Separation	RCA: -105dB, XLR: -112dB (1kHz)
DAC	1 x Burr Brown PCM1798
Digital Filter	FLAT or PULSE (selectable)
Analog Output	1 x unbalanced RCA (2Vrms) 1 x balanced XLR (4Vrms, Pin2 = Hot) 1 x 6.3mm Headphones
Digital Output	1 x TOSLINK (Optical) 1 x COAXIAL (RCA) 1 x AES/EBU (XLR)
Digital Input	1 x CD (CD3800) 44.1kHz 1 x TOSLINK (Optical) 32 – 96kHz 1 x COAXIAL (RCA) 32 – 96kHz 1 x AES/EBU (XLR) 32 – 96kHz 1 x USB (1.1) 32 – 48kHz
AC Power Line	AC100V – 240V, 50/60Hz
Power Consumption	18W
Dimensions	Approx. 435(W) x 355(D) x 102(H) mm (Incl. knobs, terminals and legs)
Weight	Approx. 7kg
Accessories	AC power cord, Remote control unit, Two AAA type batteries, Owner's manual
Color	Silver/Black

NOTE: Design and specifications are subject to change without notice.

NOTE: Illustrations in the owner's manual may deviate from the actual unit due to design improvements.



CEC Co., Ltd. Japan
<http://www.cec-web.co.jp>
