

Operating Instructions

CD CDV LD PLAYER

CLD-S370/CLD-S304 CLD-S270/CLD-S104



NTSC

- This player is not suitable for commercial use.

Thank you for buying this Pioneer product.

Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.

In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

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

IMPORTANT NOTICE

[For U.S. and Canadian models]

The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep it in a secure area. This is for your security.

[For Canadian model]

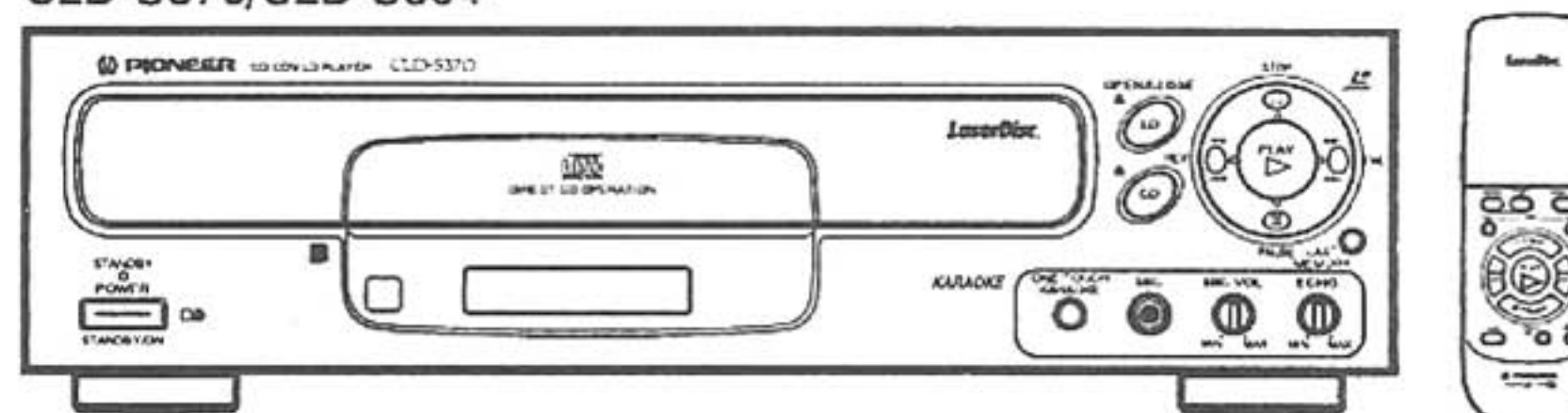
CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

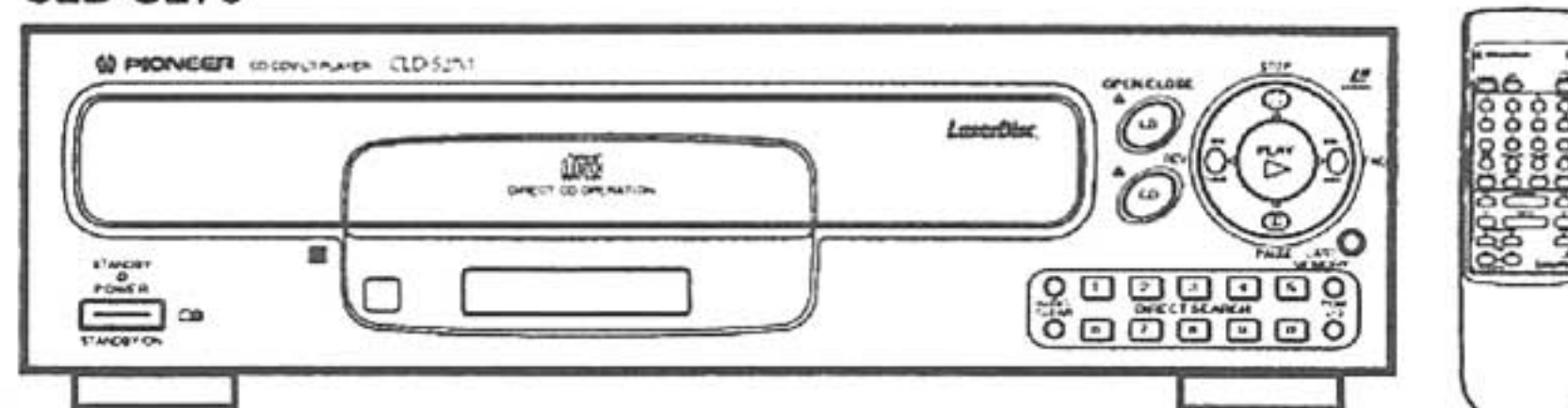
CAUTION: This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

THE POWER SWITCH IS SECONDARY CONNECTED AND THEREFORE DOES NOT SEPARATE THE UNIT FROM MAINS POWER IN STANDBY POSITION.

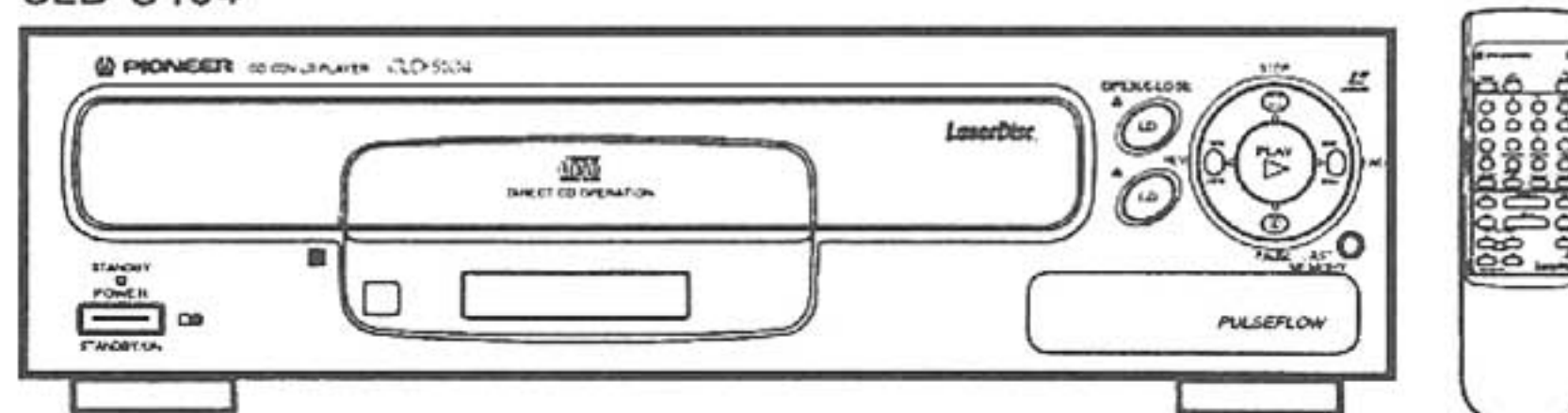
CLD-S370/CLD-S304



CLD-S270



CLD-S104



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IMPORTANT



The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



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

SAFETY INSTRUCTIONS

READ INSTRUCTIONS – All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS – The safety and operating instructions should be retained for future reference.

HEED WARNINGS – All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS – All operating and use instructions should be followed.

CLEANING – Unplug this video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

ATTACHMENTS – Do not use attachments not recommended by the video product manufacturer as they may cause hazards.

WATER AND MOISTURE – Do not use this video product near water – for example, near a bathtub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.

ACCESSORIES – Do not place this video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the video product. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

CART – An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



VENTILATION – Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the video product and to protect it from overheating. These openings must not be blocked or covered. They should never be blocked by placing the video product on a bed, sofa, rug, or other similar surface. This video product should never be placed near or over a radiator or heat register. This video product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

POWER SOURCES – This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For video products intended to operate from battery power, or other sources, refer to the operating instructions.

POWER-CORD PROTECTION

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

POLARIZATION – This video product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

LIGHTNING – For added protection for this video product receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the video product due to lightning and power-line surges.

POWER LINES – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

OVERLOADING – Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.

OBJECT AND LIQUID ENTRY – Never push objects of any kind into this video product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the video product.

SERVICING – Do not attempt to service this video product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

DAMAGE REQUIRING SERVICE

Unplug this video product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the video product.
- If the video product has been exposed to rain or water.
- If the video product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation.
- If the video product has been dropped or the cabinet has been damaged.
- When the video product exhibits a distinct change in performance – this indicates a need for service.

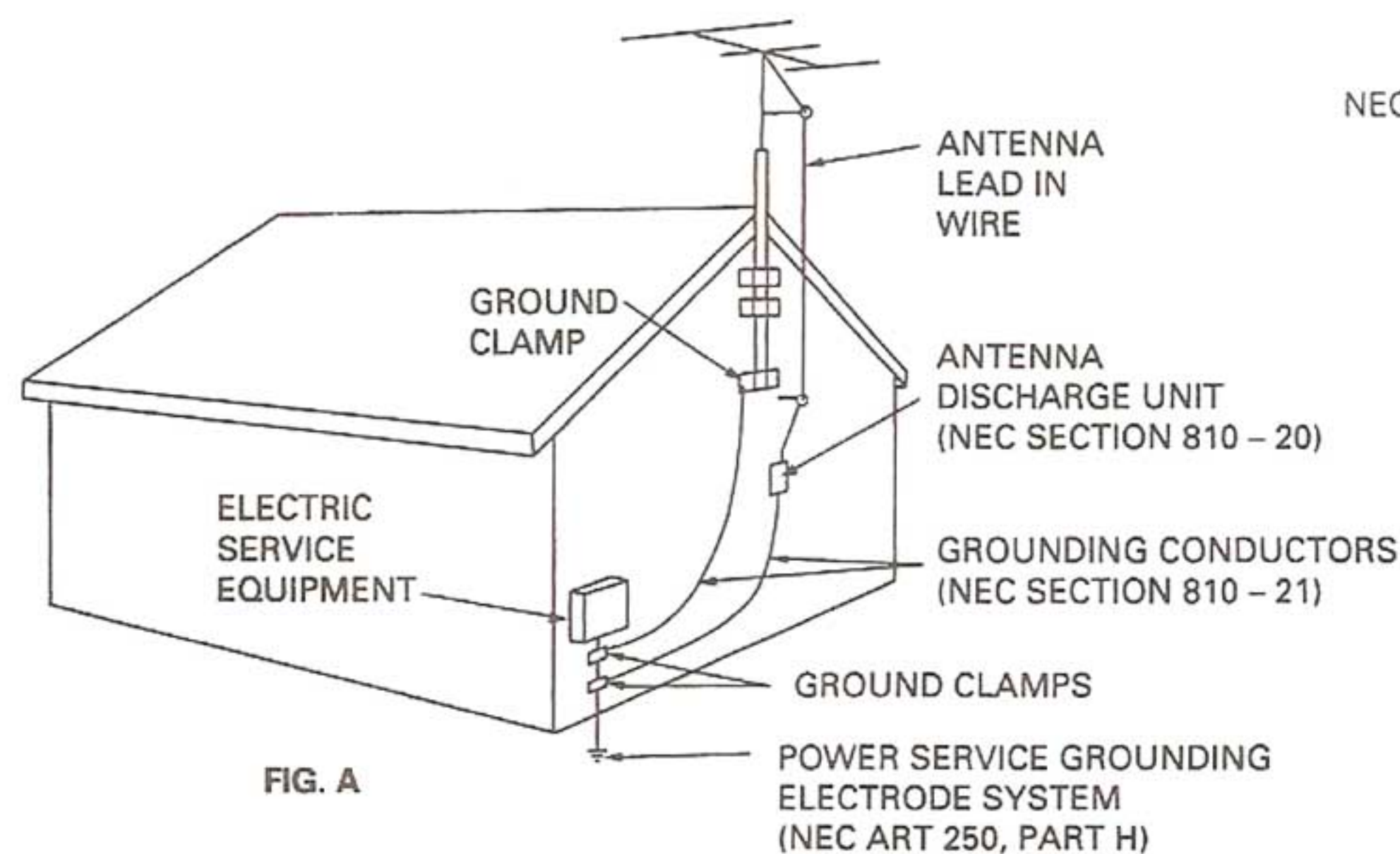
REPLACEMENT PARTS – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or having the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

SAFETY CHECK – Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks to determine that the video product is in proper operating condition.

OUTDOOR ANTENNA GROUNDING – If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges.

In the U.S.A. section 810 of the National Electrical Code, ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.

NEC – NATIONAL ELECTRIC CODE



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Information to User

Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

CAUTION

- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- The use of optical instruments with this product will increase eye hazard.

[For Canadian model]

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

[Pour le modèle Canadien]

Cet appareil numérique de la Classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Note to CATV system installer

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.



Dear Customer:

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion—and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

- Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

We Want You Listening For A Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

Decibel

Level	Example
30	Quiet library, soft whispers
40	Living room, refrigerator, bedroom away from traffic
50	Light traffic, normal conversation, quiet office
60	Air conditioner at 20 feet, sewing machine
70	Vacuum cleaner, hair dryer, noisy restaurant
80	Average city traffic, garbage disposals, alarm clock at two feet.

THE FOLLOWING NOISES CAN BE DANGEROUS UNDER CONSTANT EXPOSURE

90	Subway, motorcycle, truck traffic, lawn mower
100	Garbage truck, chain saw, pneumatic drill
120	Rock band concert in front of speakers, thunderclap
140	Gunshot blast, jet plane
180	Rocket launching pad

Information courtesy of the Deafness Research Foundation.



PRECAUTIONS

If it becomes necessary to transport or ship this unit in the future, be sure to first remove the disc (if loaded), and retract the disc table to its closed position. Then turn the power off, and, after the "OFF" display goes out blinking on the display, disconnect the power cord.

INSTALLING THE PLAYER

- Place the player on a stable platform next to the television and stereo system to be used with the player.
- Do not place heavy objects such as a television or TV monitor on top of the player.
- Do not place the player on top of your TV set or TV monitor. Also, keep the player away from devices such as cassette decks which are sensitive to magnetic fields.

DO NOT INSTALL THE PLAYER IN THE FOLLOWING LOCATIONS

- In a place subject to direct sunlight.
- In humid or poorly ventilated places.
- In extremely hot or cold places.
- In a place subject to vibrations.
- In a dusty place.
- In a place subject to soot, steam or heat (in a kitchen, etc.)

AVOID SOURCES OF HEAT

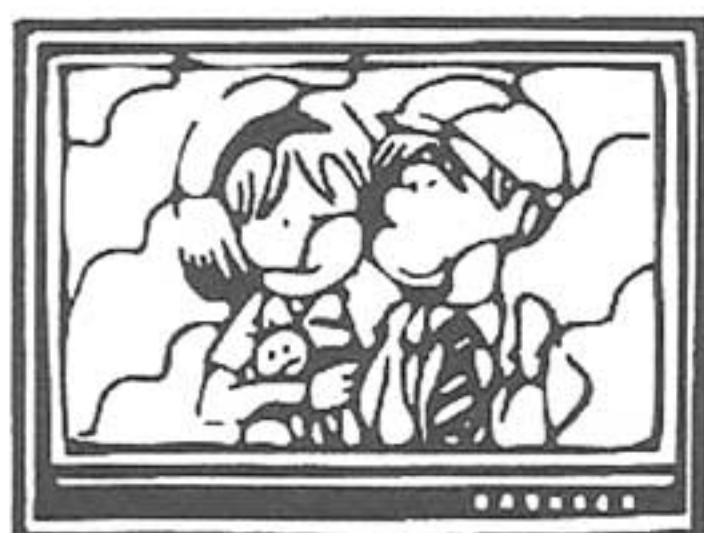
Do not put the player on sources of heat, such as an amplifier. When installing with audio components on a rack, avoid components that generate heat, by placing the player below such components where there is adequate ventilation and not much dust. Avoid placing the player on surfaces such as shaggy carpets, beds, and sofas which may block ventilation under the player and cause damage.

CAUTION

Even when the player is in the pause mode, the disc-drive motor is still revolving. Since leaving the player in this condition can shorten the lifetime of the motor, do not leave the player in the pause mode for long periods of time. Also, to prevent the damage to the screen, do not use the unit for long periods of time under conditions in which the screen display (monitor) has been displayed characters (for example, power-ON mode, CD PLAY, PAUSE). With LD disc, if playback is paused for about 20 minutes, the player will automatically enter stop mode.

STRIPE PATTERNS APPEARING ON A TV PROGRAM

Stripe patterns may appear during a TV program if the player unit is turned on, depending on the quality of reception of the TV station. This is neither a malfunction of the television nor the player. If stripes appear while watching the TV, or when watching the TV for long periods of time, turn the player off.



When FM or AM stations are being received, signal noise may be generated if the player is turned on. Turn off the player when not in use. Also, if there is signal noise when receiving radio stations with an indoor antenna, adjust the position or direction of the antenna.

CONDENSATION

Moisture will form in the operating section of the player if the player is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, player's performance will be impaired.

To prevent this, let the player stand in its new surroundings for about an hour before switching it on, or make sure that the room temperature rises gradually.

Condensation may also form during the summer if the player is exposed to the breeze from an air conditioner. In such cases, change the location of the player.

POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed in such a way that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electrical shock. Check the power cord regularly. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

CLEANING CARE

Use a soft, dry cloth for cleaning. For stubborn dirt, soak the cloth in a weak detergent solution; wring well first and wipe. Use a dry cloth to wipe it dry. Do not use any volatile agents such as benzine or paint thinner, as they may damage the surface of the player.

Abnormal functioning of this unit may be caused by lightning, static electricity, or other external interference. To restore normal operation, unplug the AC power cord and then plug it in again.

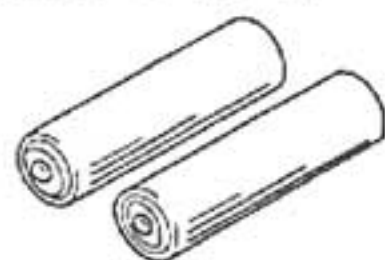
Only one disc can be loaded at any one time. Loading a LaserDisc, a Compact Disc, a 3-inch (8-cm) Compact Disc or a Compact Disc with Video on top of one another may result in a breakdown, or in scratching of the discs. Please only load one disc at a time.

This player is to be used exclusively with the NTSC color system. Please use NTSC LaserDisc only. PAL and SECAM system discs cannot be used with this player.

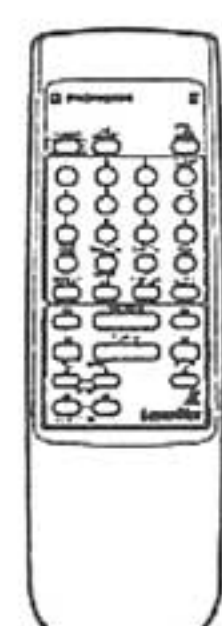
ACCESSORIES

When unpacking the player, first check to make sure that all of the accessories listed below are supplied.

- Remote control unit
- Size "AAA" (IEC R03) dry cell battery x 2 (CLD-S370/CLD-S304)
- Size "AA" (IEC R6P) dry cell battery x 2 (CLD-S270/CLD-S104)



CLD-S370/
CLD-S304



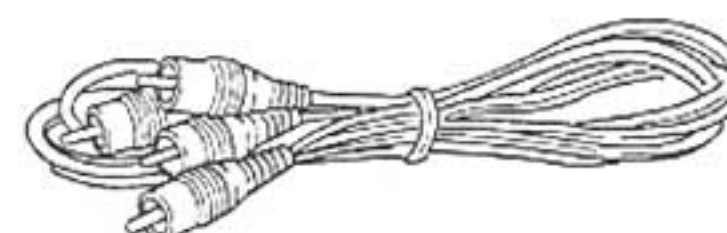
CLD-S270/
CLD-S104

To open the cover of the remote control unit (CLD-S370/CLD-S304)

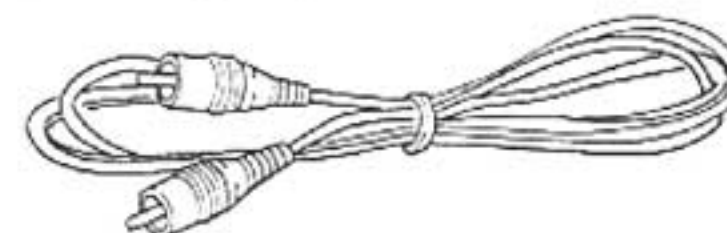
Hold both sides of the cover and lift it up.



- Audio cord
(Pin plug x 2 ↔ Pin plug x 2)
Use to connect the player to a stereo amplifier etc.



- Video cord
(Pin plug ↔ Pin plug)
Use to connect the player to a color monitor etc.



- Operating instructions
- Warranty card

REMOTE CONTROL OPERATIONS

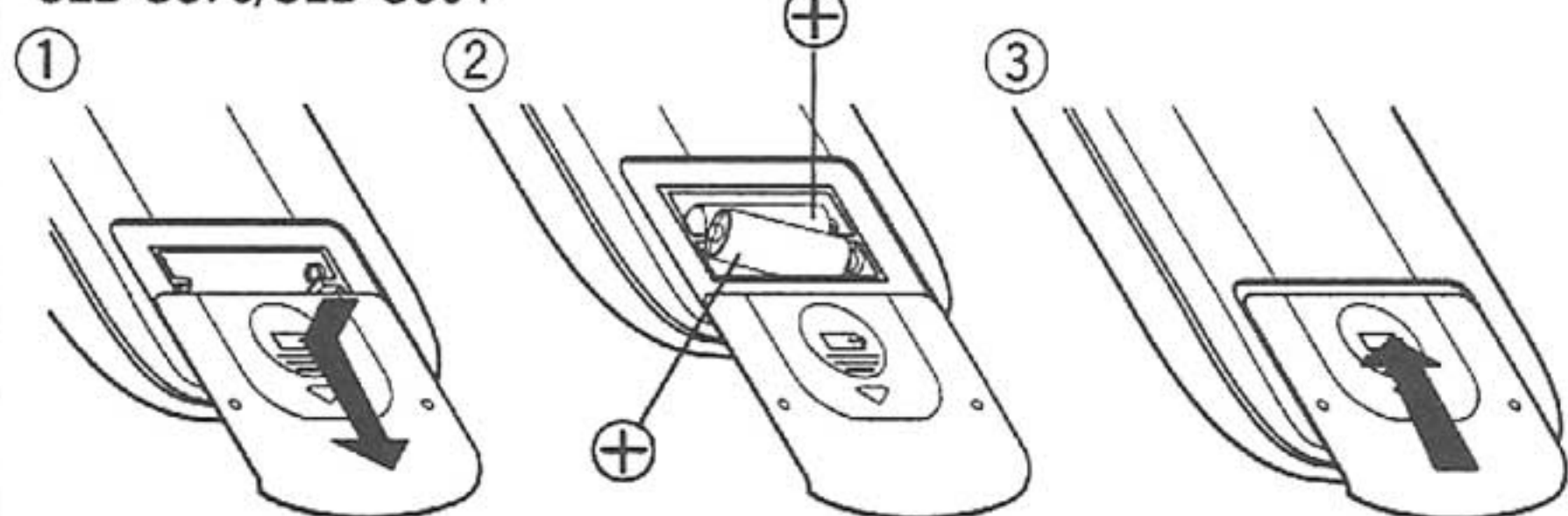
INSERTING BATTERIES INTO THE REMOTE CONTROL UNIT

Open the battery compartment cover on the back of the remote control unit.

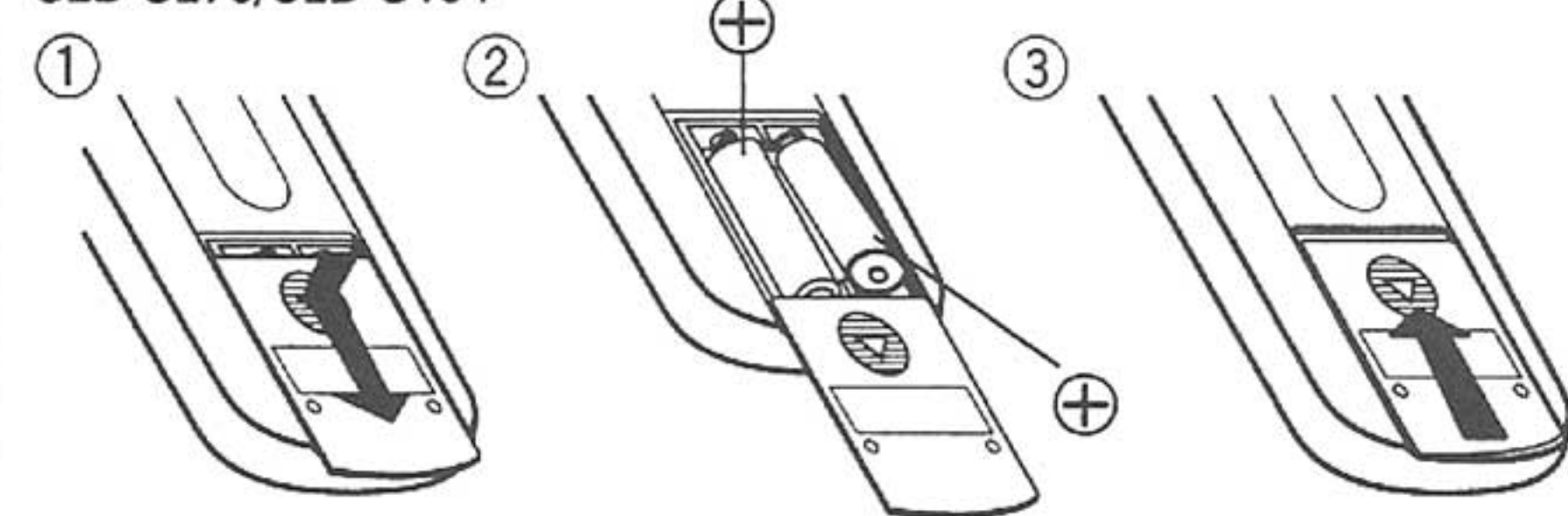
Insert dry cell batteries into the battery compartment in accordance with the indications (⊕ , ⊖) inside the compartment.

Close the cover of the battery case.

CLD-S370/CLD-S304



CLD-S270/CLD-S104



Incorrect use of batteries may cause leakage or rupture. Always be sure to follow these guidelines:

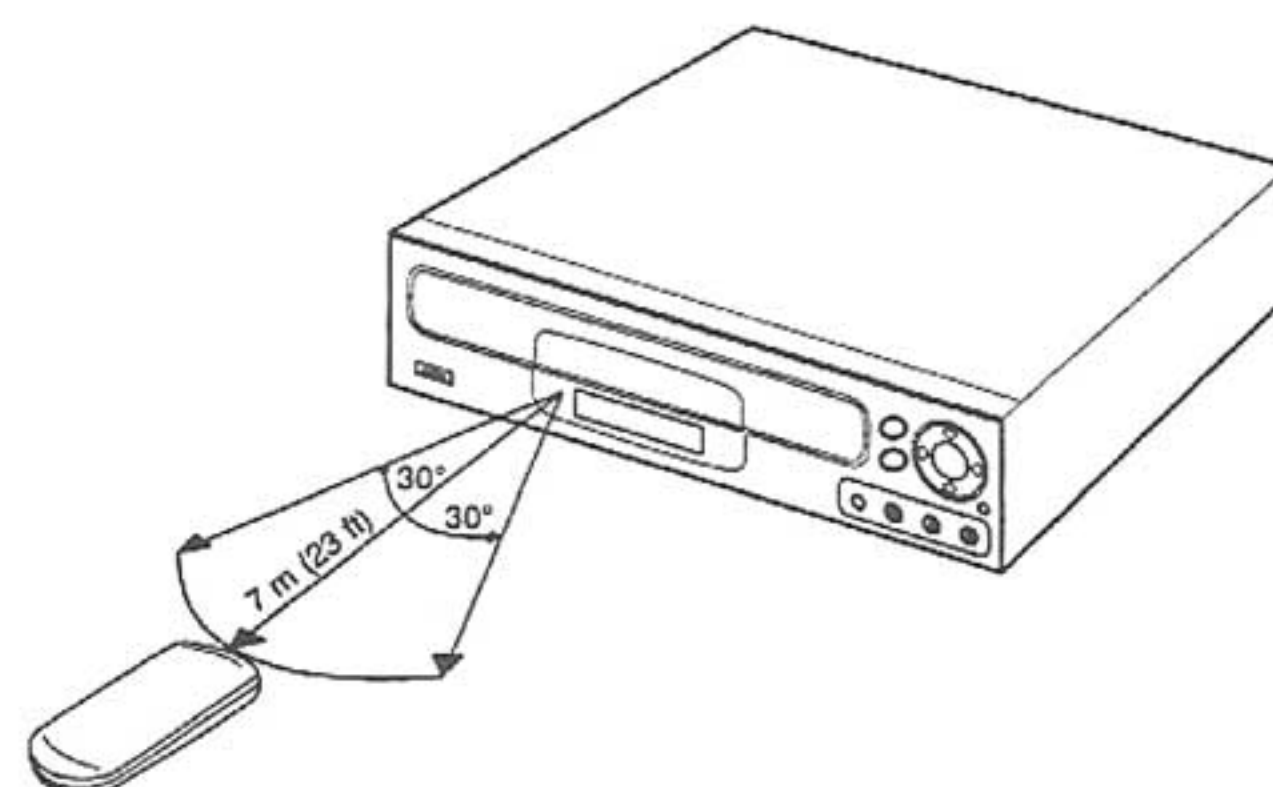
- Always insert batteries into the battery compartment correctly matching the positive ⊕ and negative ⊖ polarities, as shown by the display inside the compartment.
- Never mix new and used batteries.
- Batteries of the same size may have different voltages, depending on brand. Do not mix different brands of batteries.

When the unit is not to be used for a long period of time (more than one month), remove the batteries to prevent them from leaking inside the compartment. If leakage occurs, wipe up the liquid inside the compartment and replace the batteries with new ones.

Remote controllable range

Angle: Within 30 degrees to the left and right of the center line

Distance: Less than 7 m (23 ft)



NOTES FOR USING THE REMOTE CONTROL UNIT:

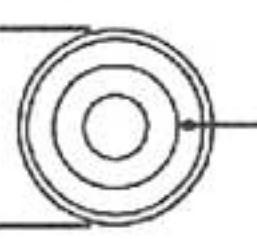




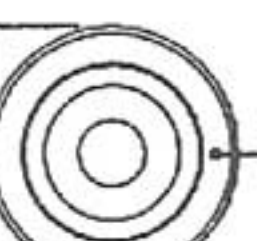

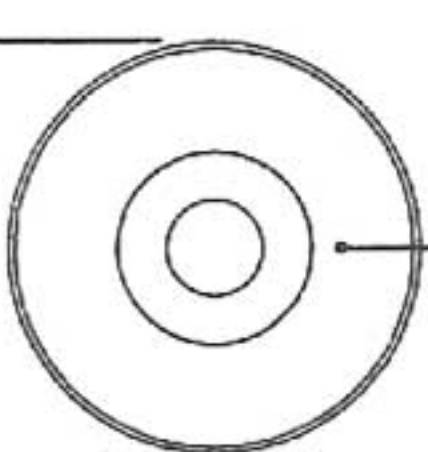

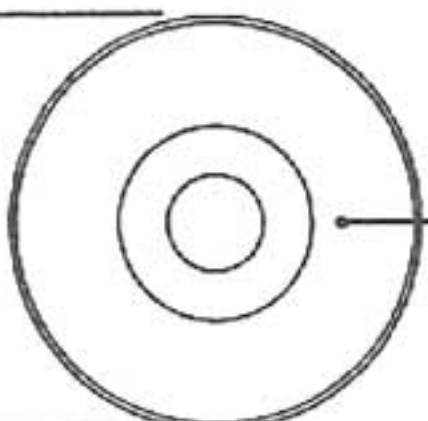

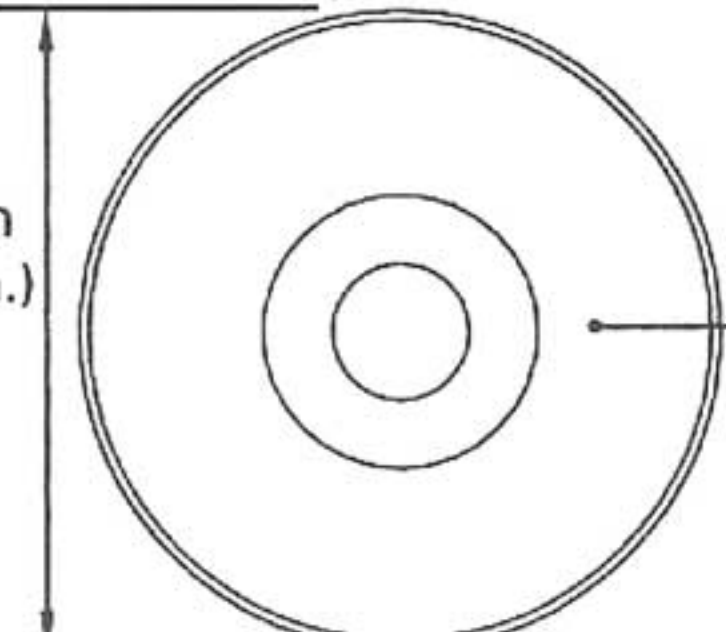

- If a plug is connected to the CONTROL IN terminal at the rear of the player, remote control operations cannot be done with the remote control unit aimed at the player's remote control sensor. In this case, aim the remote control unit at the remote sensor of another controlled component instead for the remote control operation.
- If the player is used simultaneously with another appliance using infrared rays, the player may operate improperly. Should this happen, change the place of installation so that improper operation does not occur.
- If the range of operation of the remote control unit becomes too short, replace the batteries.
- If the remote control sensor window is in a position where it receives strong light such as sunlight or fluorescent light, control may not be possible.

TYPES OF DISCS THAT CAN BE PLAYED WITH THIS UNIT

This unit is a CD VIDEO SYSTEM compatible player which can play CDs, CDV discs, and LDs.

- The marks shown in the right column are printed on the labels and jackets of the corresponding discs.

This player can play the following seven types of discs without using an adapter.

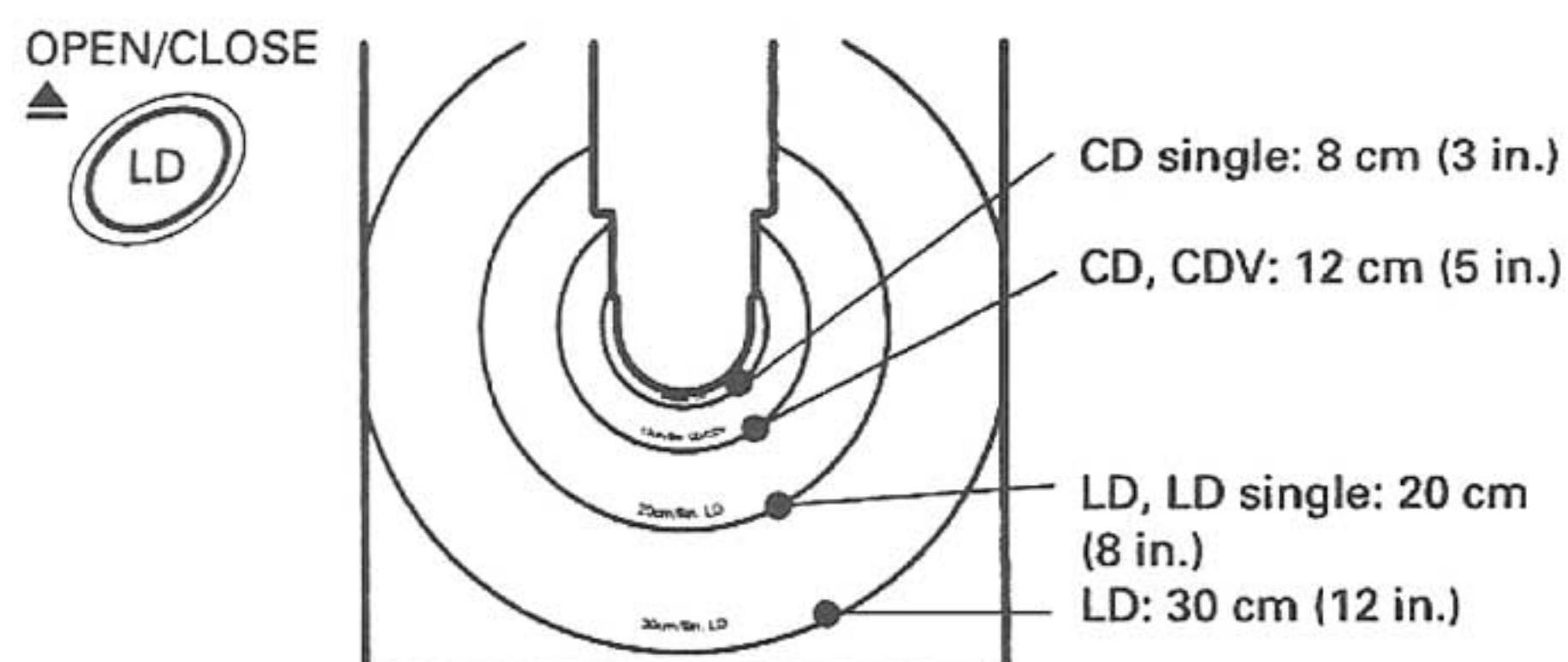
<p>CD Single (one-side recording)</p> <p>8 cm (3 in.)</p>  <p>Digital audio (max. 20 min.)</p> <p>CD (one-side recording)</p> <p>12 cm (5 in.)</p>  <p>Digital audio (max. 74 min.)</p>	
<p>CDV (one-side recording)</p> <p>12 cm (5 in.)</p>  <p>Digital audio (max. 20 min.) (Audio part)</p> <p>Digital audio + Video (max. 5 min.) (Video part)</p>	<p>***</p> 
<p>VSD (Video Single Disc) (one-side recording)</p> <p>12 cm (5 in.)</p>  <p>Digital audio + Video (max. 5 min.)</p> <p>● In the operating instructions in this manual, the VSD is treated as a kind of CDV.</p>	<p>VIDEO SINGLE DISC</p> 
<p>LD Single (one-side recording)</p> <p>20 cm (8 in.)</p>  <p>Digital/analog audio + Video (CAV: Max. 14 min. CLV: Max. 20 min.)</p>	<p>L*</p> 
<p>LD (two-side or one-side recording)</p> <p>20 cm (8 in.)</p>  <p>Digital/analog audio + Video (CAV: Max. 14 min. per side CLV: Max. 20 min. per side)</p>	<p>L*</p> 
<p>LD (two-side or one-side recording)</p> <p>30 cm (12 in.)</p>  <p>Digital/analog audio + Video (CAV: Max. 30 min. per side CLV: Max. 60 min. per side)</p>	<p>***</p> 

Discs other than those noted above cannot be played back with this player. (i.e., Video CD, CD-ROM, LD-ROM, Hi-Vision LD, etc.)

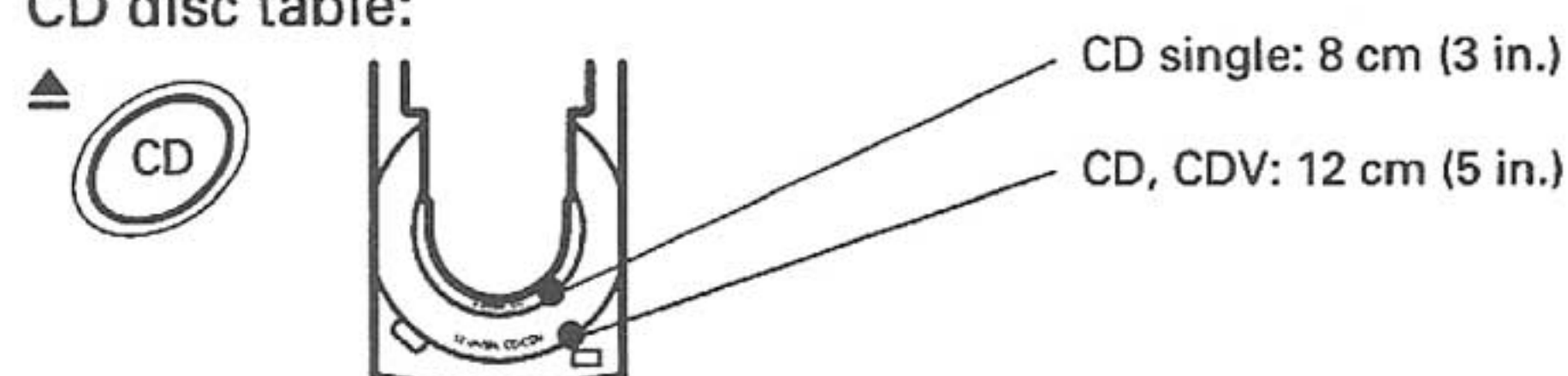
HOW TO PLACE A DISC

Place the disc in the correct position by using the appropriate disc guide groove.

LD disc table:



CD disc table:



LD GLOSSARY

Chapter number

Chapter numbers are used to indicate the boundaries of the sections on a disc. If chapter numbers are recorded on a disc, it is so indicated on the jacket of the disc, etc.

Frame number

Frame numbers are the numbers assigned to each picture frame on a CAV disc.




Time number

Time numbers indicate the time elapsed from the beginning of a CLV disc.

CDV/CD GLOSSARY

Track number

Track numbers indicate the boundaries of the sections, or "tracks", on a disc. Track numbers are assigned consistently throughout the audio part and video part of a CDV disc.

- There are some discs marked with the  mark instead of the  mark.
- There are some disc without the  mark.

Caution

Video CDs  or  cannot be played.

(Video CD is a digital video/audio recording in MPEG format, up to 74 minutes long.)

TOC

The TOC (Table of Contents) section is just like the table of contents of a book, and contains information on the contents (number of tracks, playing time, etc.) of the disc.

- Some LD discs are not provided with a TOC section.
- * This is the unified symbol mark of LASERDISC (LaserVision videodisc).
LaserDisc players and discs which bear this symbol and use the same television system, are mutually compatible.
- ** A Digital Audio with Multi Audio Disc (CD VIDEO LD) and a CDV (CD Video CDV) are referred to as CD Video discs. CD Videodiscs are recorded with subcodes, which are the non-audio recordings of TOC (Table of Contents) data such as track numbers, index numbers, etc. However, there are some discs without these marks.

CD VIDEO SYSTEM

The CD VIDEO SYSTEM is the standard name for the "optical video disc with digital audio" system that encompasses both LDs and CDV discs.

The following mark is the standard mark for the CD VIDEO SYSTEM and is found on all players and discs which conform to the CD VIDEO SYSTEM format.

The following systems are included in the CD VIDEO SYSTEM:



- CDV (CD VIDEO CDV) discs
- LaserVision Discs (CD VIDEO LDs) containing digital sound with sub codes
- Compatible players which can play CDs and CDV discs
- Compatible players which can play CDs, CDV discs, and LDs

CD VIDEO LDs

A CD VIDEO LD is an LD with digital audio which is encoded with sub codes (data such as TOC and track number data, excluding audio and video signals).

LDs (LASERDISCS)

Two types of standard LaserDisc are available — standard play (CAV) discs and extended play (CLV) discs — which differ with respect to their signal recording systems.

CAV DISCS

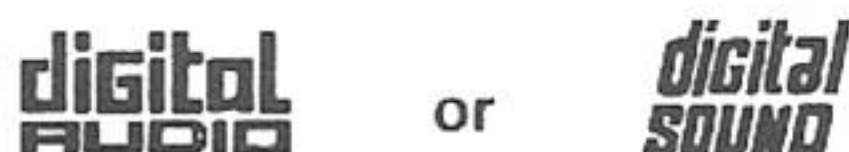
The jackets and labels of these discs are marked with a "Standard Play Disc CAV" or "Standard Play" indication.

CLV DISCS

The jackets and labels of these discs are marked with a "Extended Play Disc CLV" or "Extended Play" indication.

LASERVISION DISCS WITH DIGITAL AUDIO

The jackets and labels of these discs bear the following mark.



These are LaserDiscs which contain digital audio signals in addition to conventional analog audio signals. This feature allows the high image quality of LaserDiscs to be enjoyed together with the superior quality of digital sound.

LASERVISION MULTI AUDIO DISCS WITH DIGITAL AUDIO

The jackets and labels of these discs bear the following mark.



These are LaserDiscs in which the recorded digital and analog audio signals differ in content. This allows the user to enjoy two different audio soundtracks by switching between the digital and analog sound.

CDV (COMPACT DISC WITH VIDEO) DISCS

These are compact discs which also contain video signals. Of the total 25-minute playback time of a CDV disc, 20 minutes is encoded with conventional CD digital audio signals (the "audio part"). The remaining 5 minutes is encoded with both video and digital audio signals (the "video part").

In normal playback mode, the unit plays the audio part after the video part is played back.

CARE OF DISCS

How to hold discs

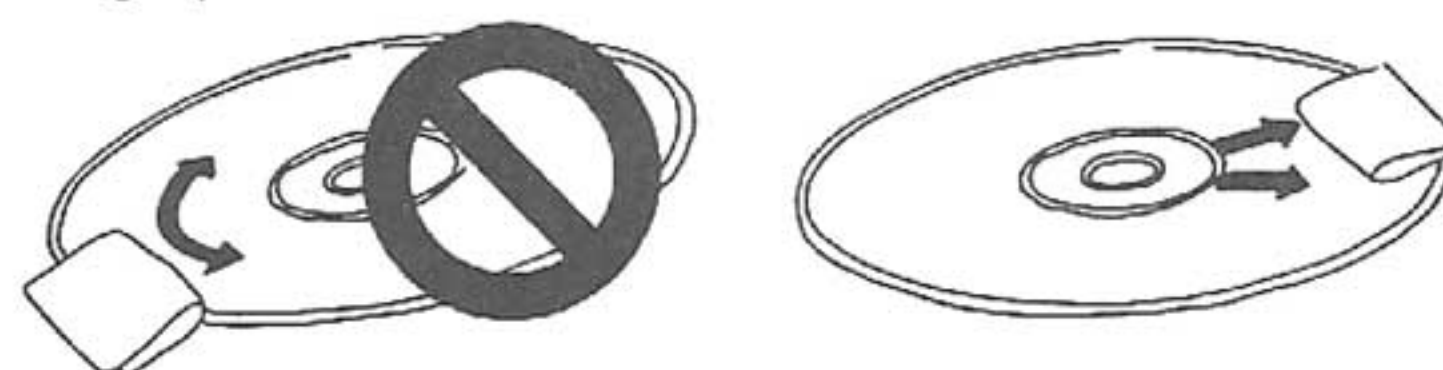
When loading or removing discs, try not to touch their playing surfaces.



Cleaning

Fingerprints or other dirt on the disc may affect sound and picture quality.

To clean your discs, use a soft clean cloth to wipe them. If necessary, moisten a soft cloth with diluted neutral detergent to remove heavy dirt or fingerprints.



Do not wipe in a circular direction
(Concentric scratches in the disc groove tend to cause noise.)

Gently wipe from the inside toward the outer edge.

Discs must not be cleaned with record cleaning sprays, or static prevention sprays, etc. Also do not use volatile liquids such as benzene, or thinner, etc.

NEVER PLAY CRACKED OR WARPED DISCS.

- The disc revolves in the player at a high speed when it is played. Never play a cracked, scratched or warped disc. This may damage the player or cause it to malfunction.



After using discs, store them upright

After playing a disc, always remove it from the player and return it to its jacket. Then store it standing upright away from heat and humidity.

- Store discs carefully. If you store discs at an angle, or stacked on top of each other, discs may become warped even when in their jackets.
- Do not leave discs in locations such as the seat of car, which may become excessively hot.

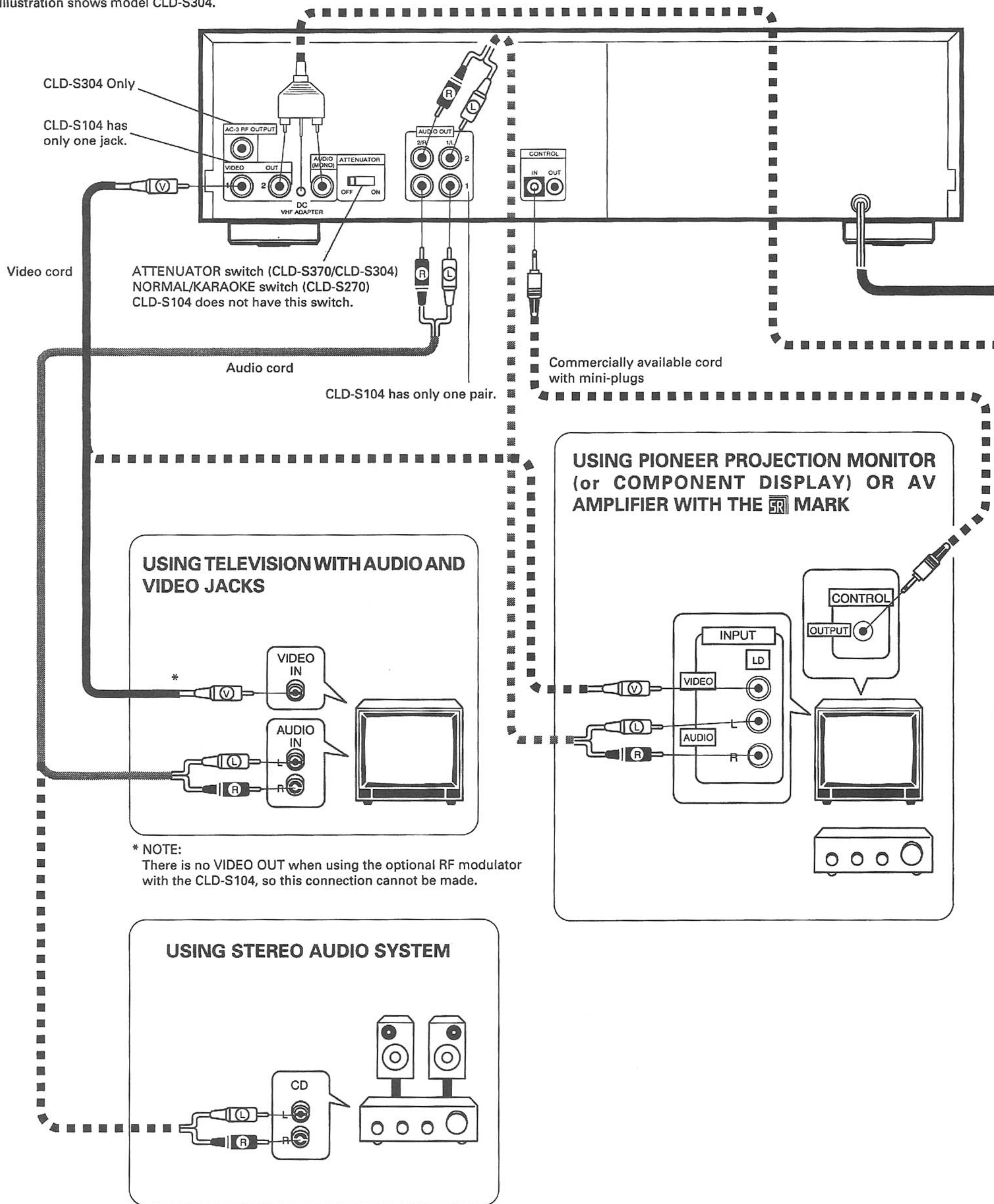
CAUTION WHEN USING THE DISC

All rights reserved.

Unauthorized public performance, broadcasting or copying is a violation of applicable laws.

CONNECTIONS

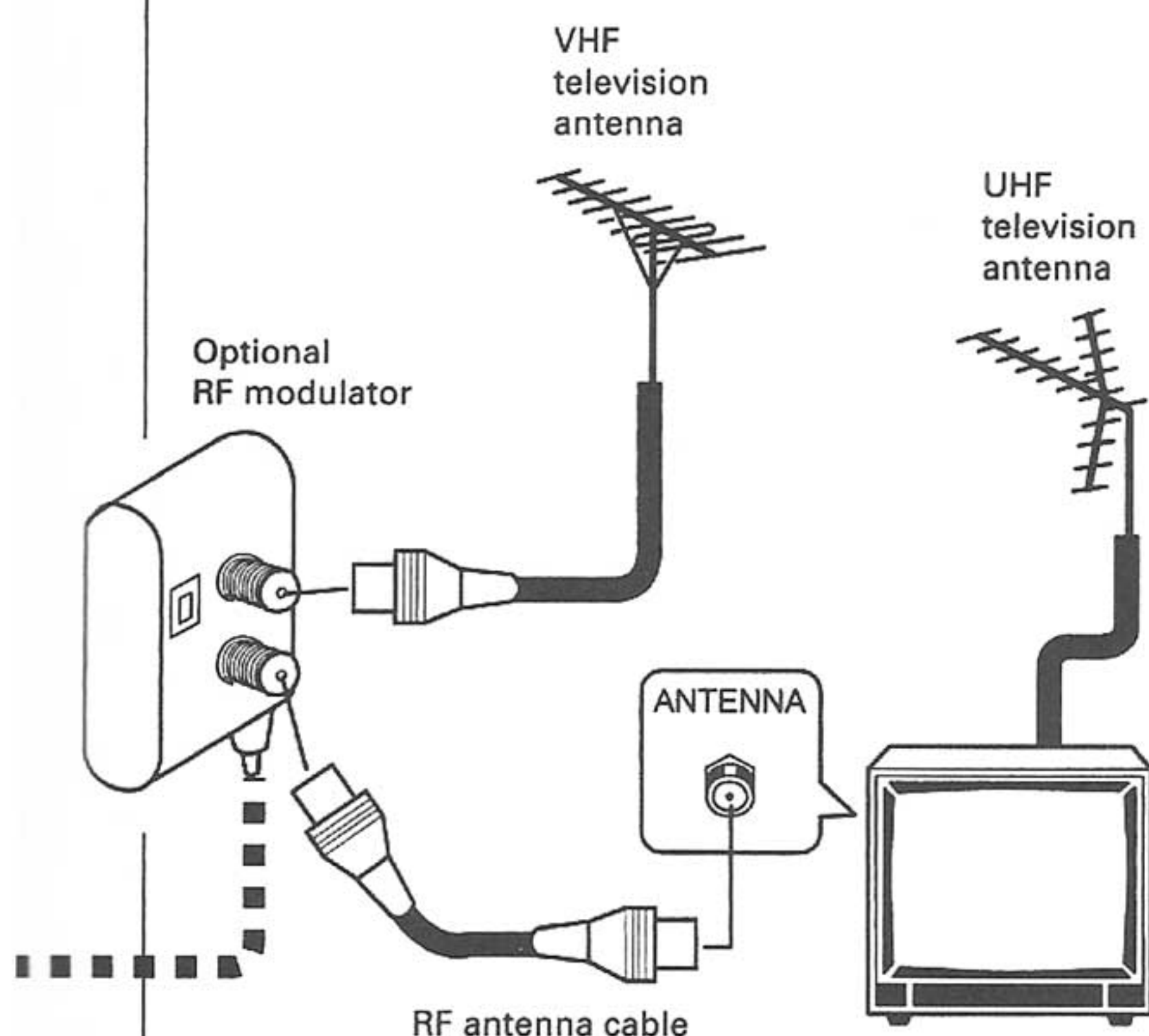
Illustration shows model CLD-S304.



PLUG THE POWER CORDS INTO AN AC OUTLET

Plug the AC power cords of the player, stereo amplifier and TV set into an AC outlet. When the power cord of this unit is connected to an AC outlet, power is supplied to the unit's internal memory (such as the last memory) even when the POWER switch is off (STANDBY). Therefore, be sure to connect the power cord directly to a wall outlet. If the power cord is connected to an outlet such as a switched outlet on an amplifier, the various memory contents will be erased whenever the amplifier's power switch is turned off.

USING TELEVISION WITHOUT AUDIO AND VIDEO JACKS



1. Detach the VHF antenna cable from the VHF antenna terminal of your TV set, and connect the cable to the VHF IN terminal of the RF modulator.
2. Connect the VHF OUT terminal of the RF modulator to the VHF antenna terminal of your TV set.
3. Connect the socket (3-pin) of the RF modulator to the VHF ADAPTER OUTPUT jacks.

NOTE:

Push the plug in firmly. If the plug is not properly inserted, it may result in snow or noise on the screen.

When the sound from a LaserDisc or Compact Disc is output through a television speaker it becomes monaural sound (This is the same for a stereo television).

NOTES:

- Stripe patterns may appear when a LaserDisc is played on a television. Move the antenna cable away from the power cord to avoid this.
- Be sure to turn off the power of this player when you watch a TV broadcast.

CONNECTING TV AND STEREO AMPLIFIER

- Connect the VIDEO OUT jack of the player to the video input jack of the monitor television.
- Connect the AUDIO OUT jacks to the stereo amplifier AUX, CD, LD, VDP or other jacks, except the PHONO input jacks. The television speakers can also be used by connecting the television audio input jacks and the player AUDIO OUT jacks. However, connection to a stereo amplifier is recommended to obtain superior audio playback quality for Compact Discs and LaserDiscs.

Do not change the television antenna and VCR connections.

THE SR MARK

System control can be performed when the player is combined with an optional AV amplifier, which can provide centralized control of Pioneer products with the SR mark. Connect the VIDEO OUT jack of the player to the video disc video input jack of the AV amplifier and connect the AUDIO OUT jacks of the player to the audio input jacks of the AV amplifier.

Connect the CONTROL IN jack of the player to the CONTROL OUT jack of the AV amplifier using a commercially available cord with mini-plugs.

- For details concerning the connection and operation methods, please refer to the operating instructions for the AV amplifier.

ATTENUATOR switch : CLD-S370/CLD-S304

When the television speakers are used, the sound may be distorted. In this case, set the ATTENUATOR switch to ON (CLD-S370) to reduce the distortion.

NORMAL/KARAOKE switch : CLD-S270

When this switch is set to KARAOKE position, the Auto Pause functions.

AC-3 RF OUTPUT TERMINAL : CLD-S304

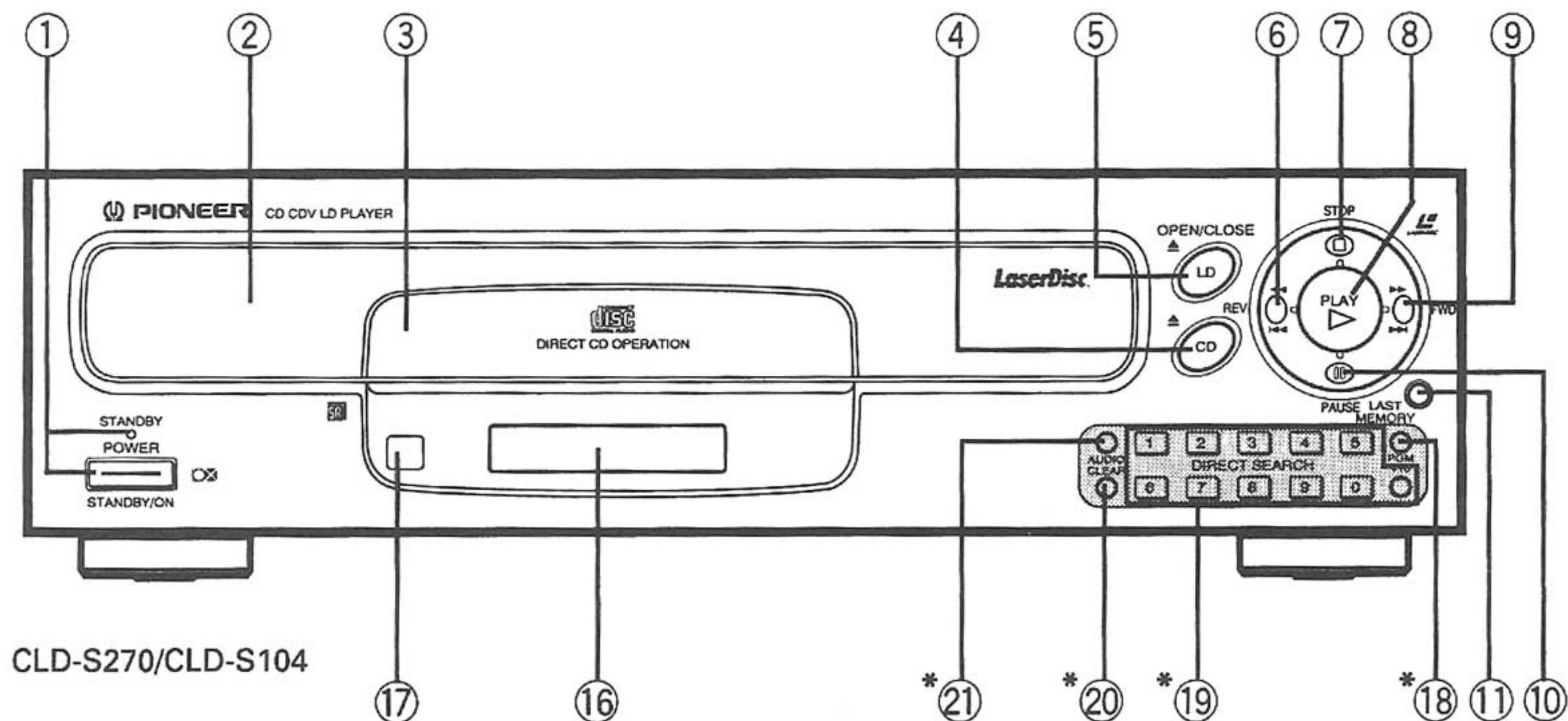
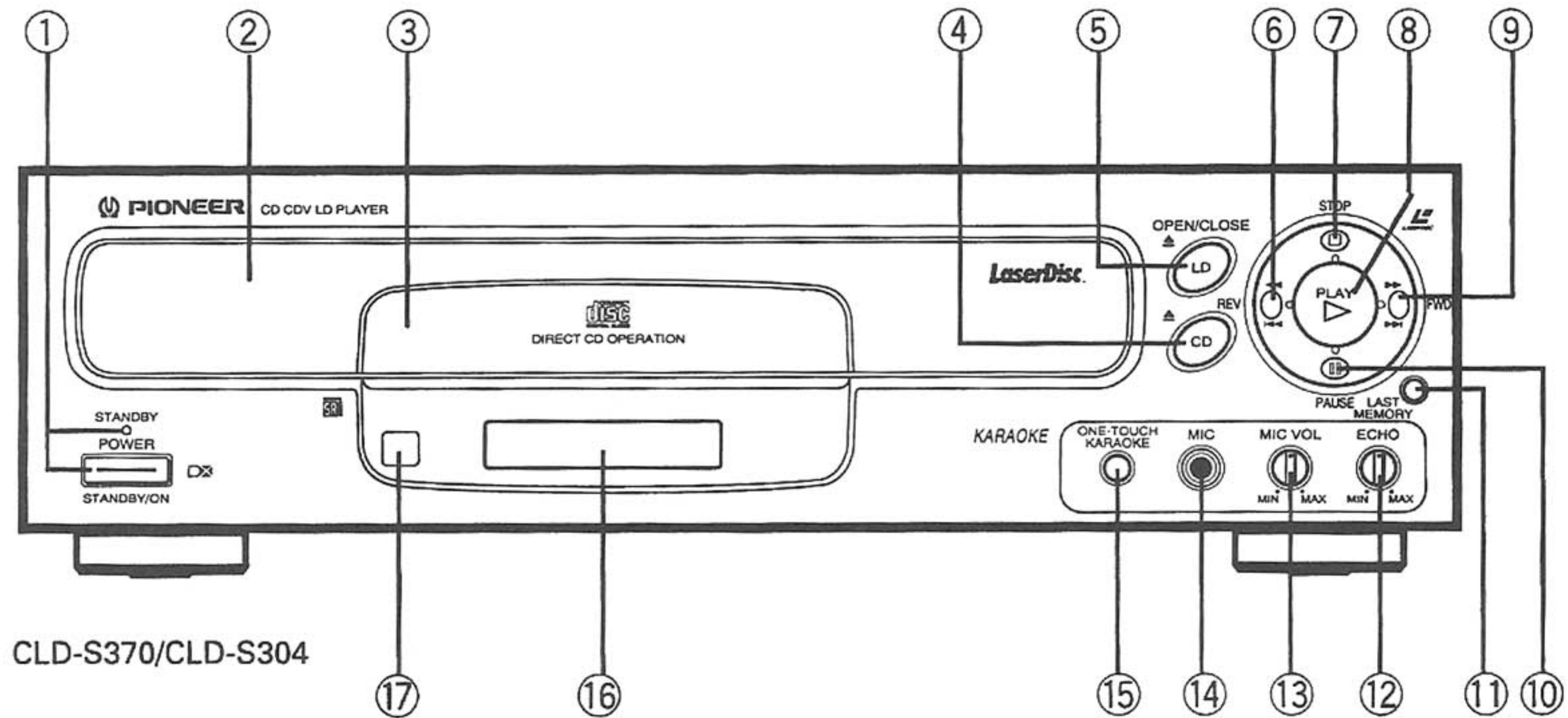
This terminal is for intended for use with AC-3 (Digital Multi-Audio Format) components planned for future release. With this terminal, you will be able to connect AC-3 RF amplifiers and surround processors, and playback laser discs formatted with Digital Multi-Audio.

- You cannot playback with currently available laser discs, laser disc players, AV amplifiers, etc., with this terminal.
- Do not connect this terminal to the audio input terminals of normal stereo or AV amplifiers.

NAMES AND FUNCTIONS

Front panel:

A detailed description is provided on the indicated page(s).

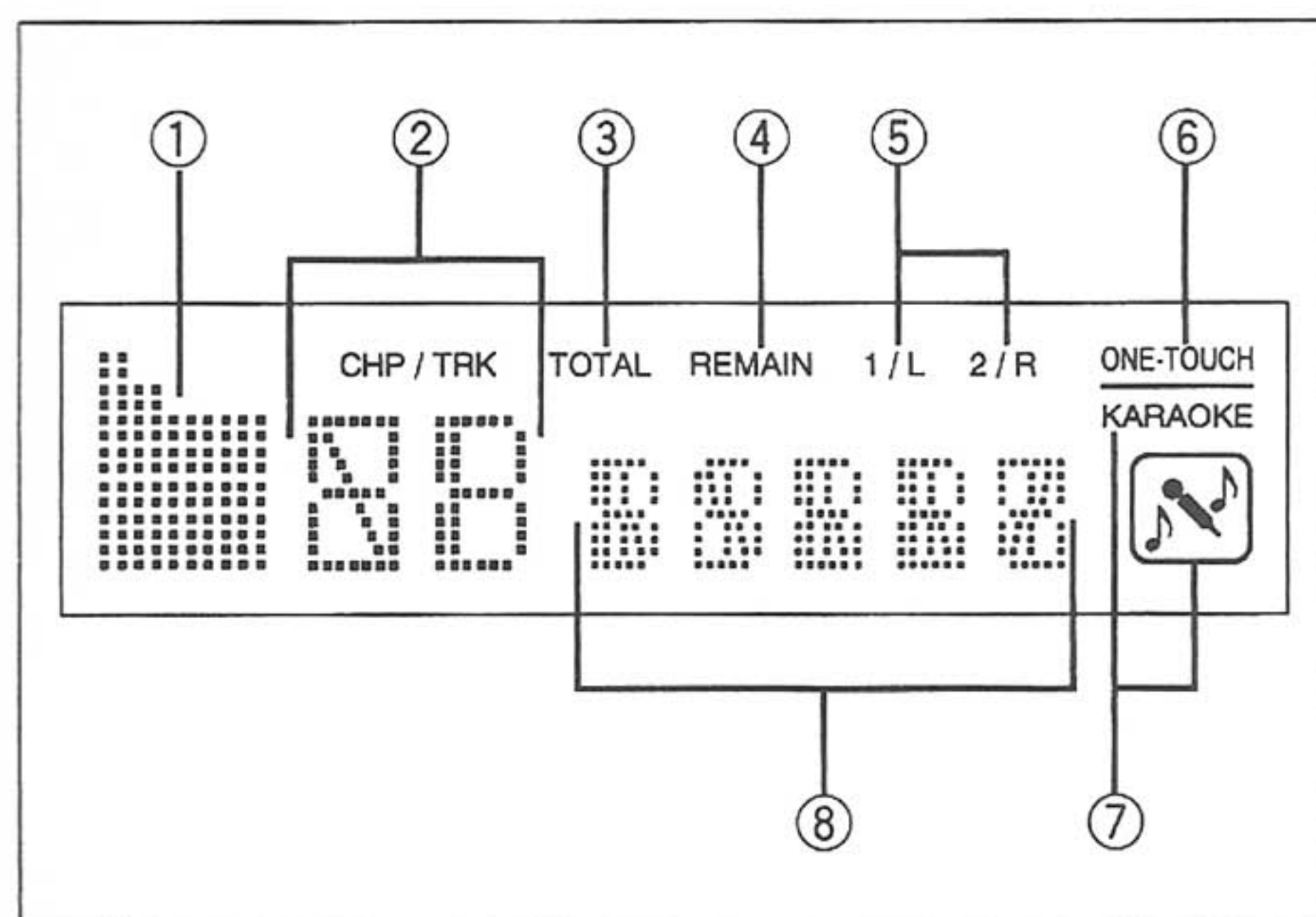


*** NOTE:**
The CLD-104 does not have these buttons.

- ① **POWER STANDBY/ON switch and STANDBY indicator**
Press to turn the power on and off.
- ② **Disc table ... p. 6**
- ③ **CD Disc table ... p. 6**
- ④ **CD OPEN/CLOSE (▲) button ... p. 12**
- ⑤ **LD OPEN/CLOSE (▲) button ... p. 12**
- ⑥ **Track/manual search (◀◀, ▶▶) button ... p. 13, 14**
- ⑦ **Stop (■) button ... p. 12**
- ⑧ **Play (▶) button ... p. 12**
- ⑨ **Track/manual search (▶▶, ▶▶) button ... p. 13, 14**
- ⑩ **Pause (||) button ... p. 12**

- ⑪ **LAST MEMORY button ... p. 14**
- ⑫ **ECHO level control ... p. 16**
- ⑬ **MIC VOL control ... p. 16**
- ⑭ **MIC jack ... p. 16**
- ⑮ **ONE-TOUCH KARAOKE button ... p. 16**
- ⑯ **Display window ... p. 11**
- ⑰ **Remote sensor ... p. 5**
- ⑱ **PGM button ... p. 17**
- ⑲ **DIRECT SEARCH/digit buttons ... p. 12, 15, 17**
- ⑳ **CLEAR button ... p. 15, 16, 17, 18**
- ㉑ **AUDIO button ... p. 13**

Display window



① : Open/close of a disc table

: Play

: Pause

② Track number or chapter number is displayed.

③ Lights when total playback time (TOTAL) is displayed.

④ Lights when remaining playback time is displayed.

⑤ Audio output channel lights.

⑥ Lights when ONE-TOUCH KARAOKE is activated (CLD-S370 only)

⑦ Lights when a microphone plug is inserted into the MIC jack. (CLD-S370)

Lights when the NORMAL/KARAOKE switch on the rear panel is set to KARAOKE position. (CLD-S270)

⑧ Frame number or elapsed playback time is displayed.

● **Currently activated function, etc. is displayed.**

OPEN : The disc table is opened or being opened.

CLOSE : The disc table is closed or being closed.

PLAY : Start of disc playback

END : End of disc playback

INTRO : Intro scan

HILITE : Hi-lite scan

RDM : Random playback

PGM : Program playback

RPT : Repeat playback

S-RPT : One-side repeat playback

P-RPT : Program repeat playback

R-RPT : Random repeat playback

-OFF- : The power is turned off.

LD : LaserDisc

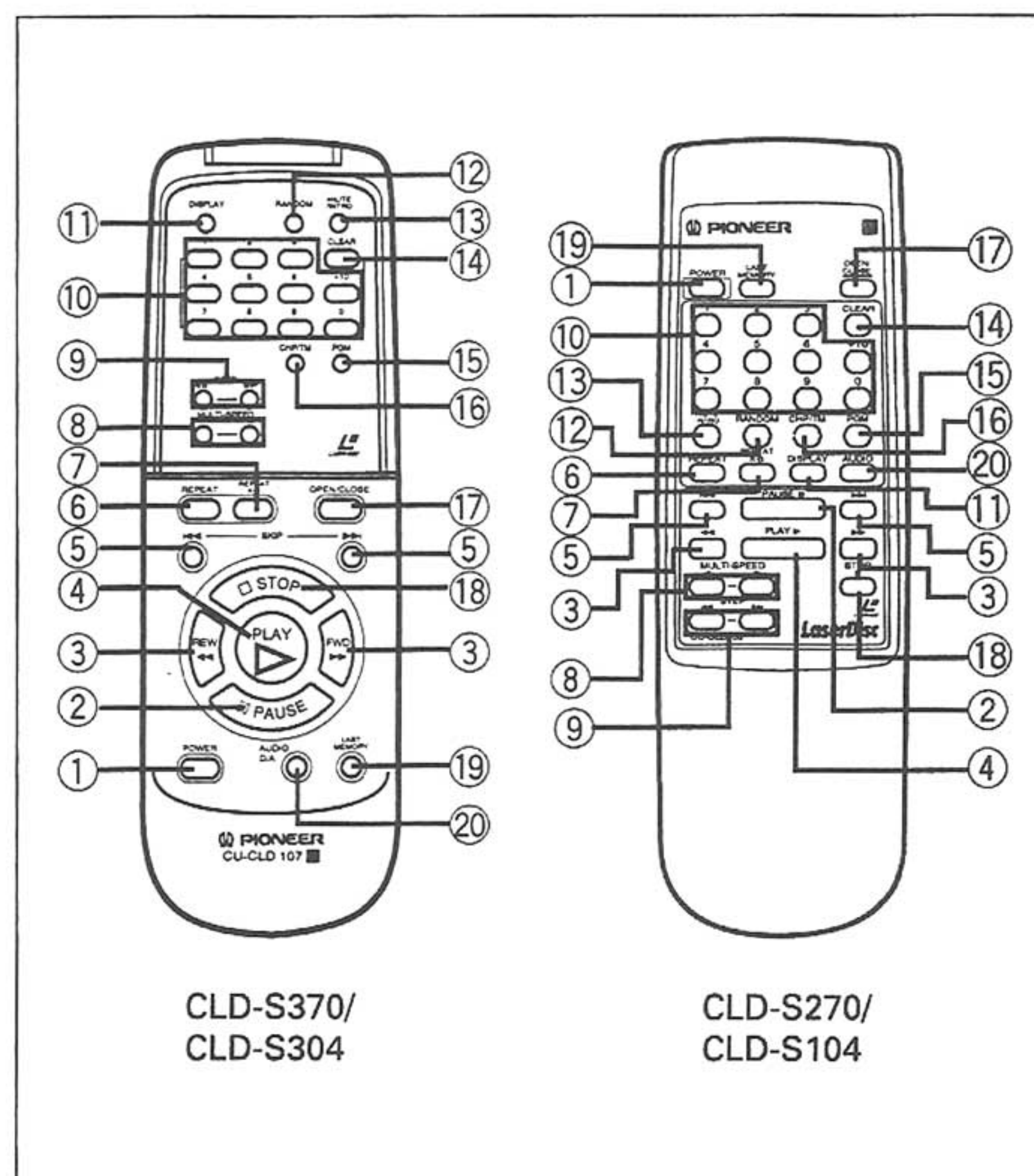
CD : Compact disc

CDV : Compact disc with video

NO DISC : No disc loaded

Remote control unit:

Remote control buttons with the same names or marks as buttons on the front panel of the player control.



① **POWER** button ... p. 12

② **PAUSE (II)** button ... p. 12

③ **Scan (◀/▶)** buttons ... p. 14

④ **PLAY (▶)** button ... p. 12

⑤ **Skip (◀◀/▶▶)** buttons ... p. 13

⑥ **REPEAT** button ... p. 18

⑦ **REPEAT A-B** button ... p. 18

⑧ **MULTI-SPEED (◀/▶)** buttons ... p. 13

⑨ **STEP (◀II/II▶)** buttons ... p. 13

⑩ **Digit** buttons ... p. 12, 15, 17

⑪ **DISPLAY** button ... p. 19

⑫ **RANDOM** button ... p. 16

⑬ **HILITE/INTRO** button ... p. 15

⑭ **CLEAR** button ... p. 15, 16, 17, 18

⑮ **PGM (Program)** button ... p. 17

⑯ **CHP/TM (Chapter/Time)** button ... p. 15

⑰ **OPEN/CLOSE** button ... p. 12

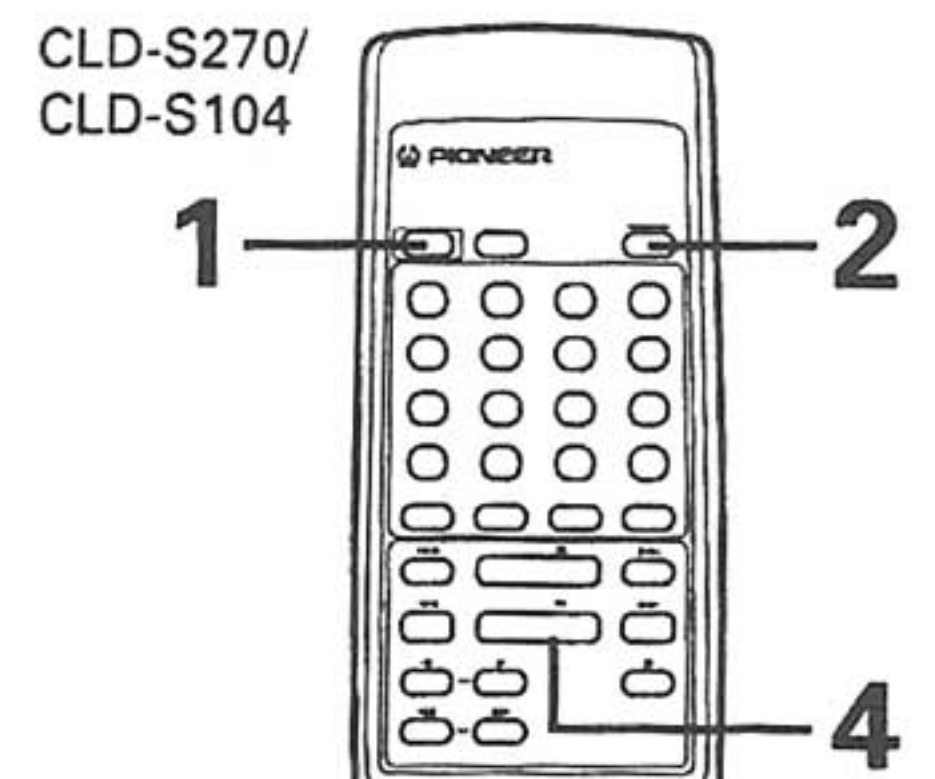
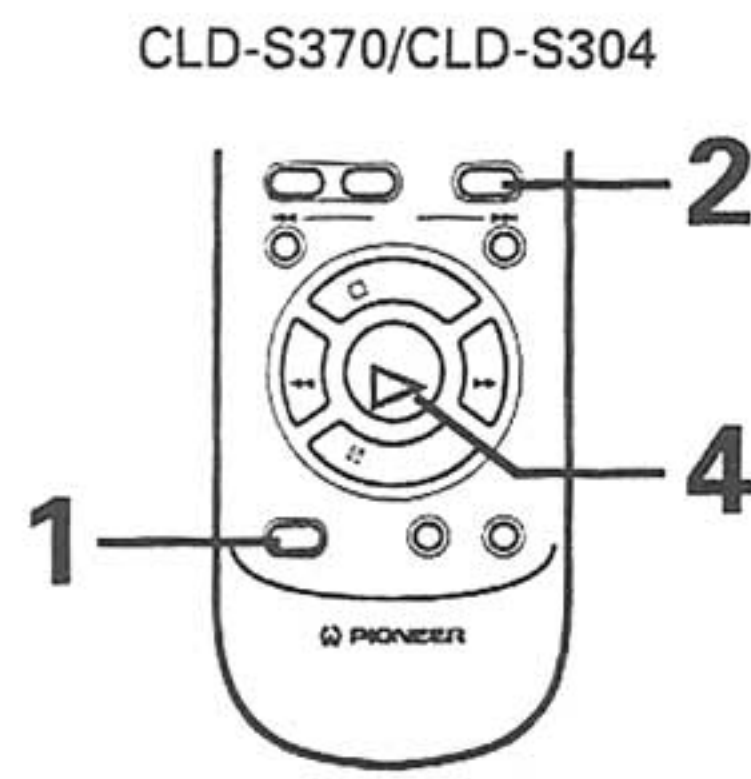
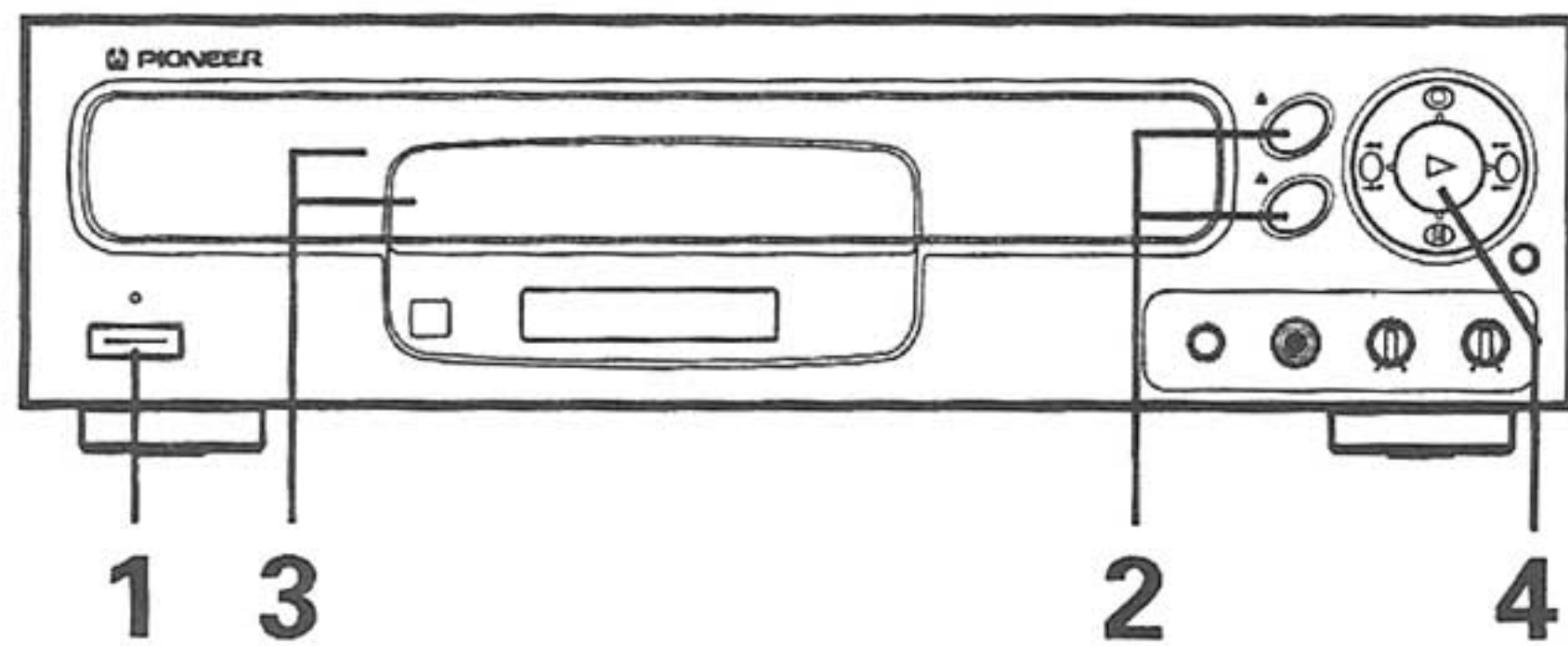
⑱ **STOP (■)** button ... p. 12

⑲ **LAST MEMORY** button ... p. 14

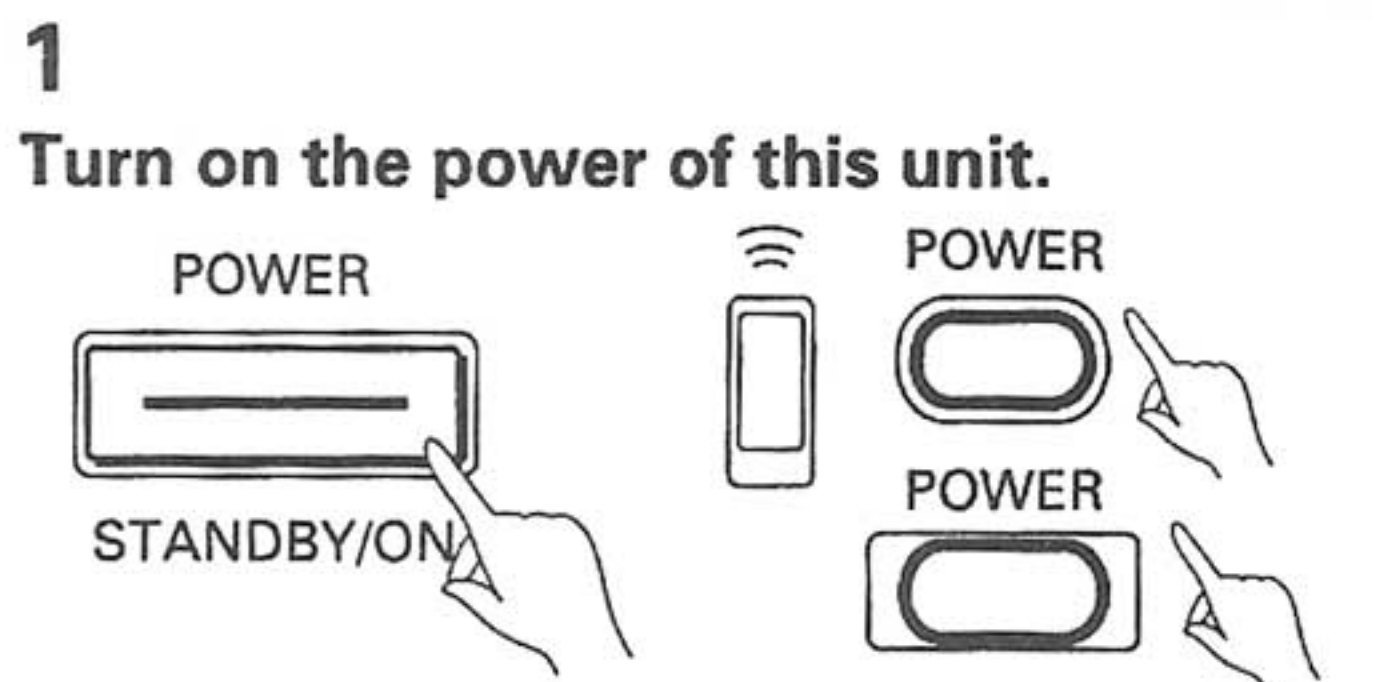
⑳ **AUDIO** button ... p. 13

TO PLAY AN LD, CDV OR CD

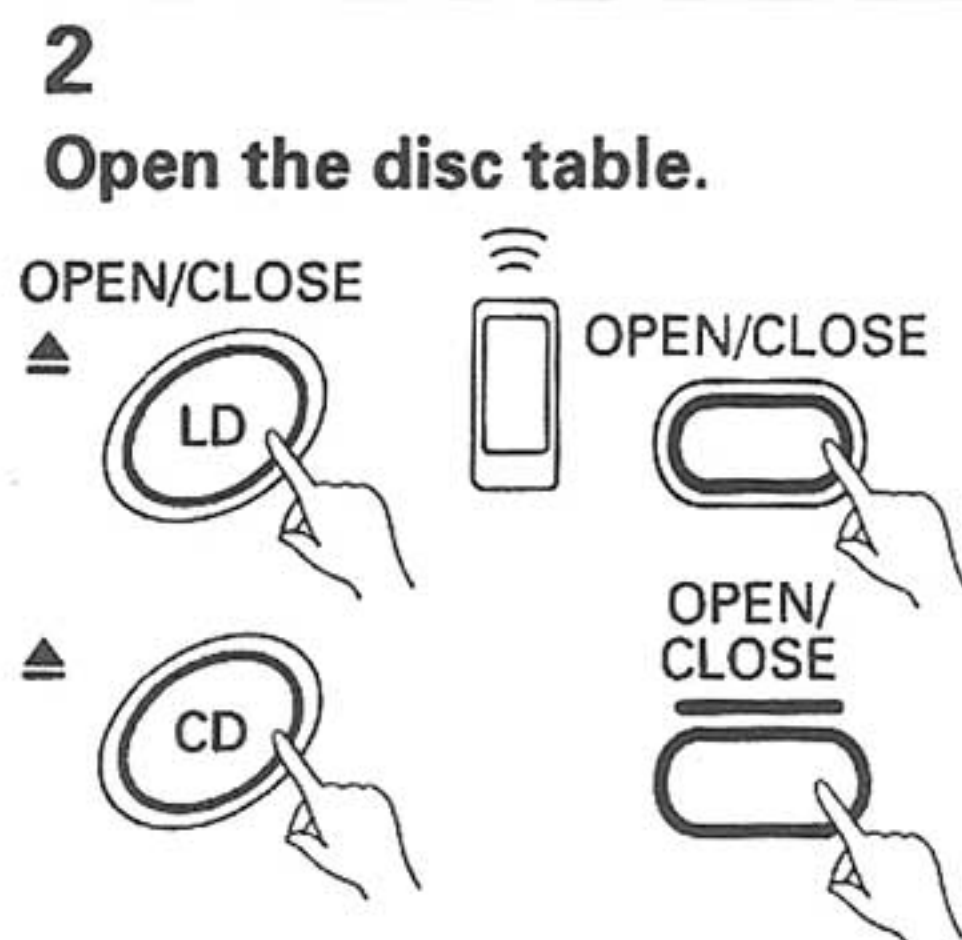
The illustration shows model CLD-S370/CLD-S304.



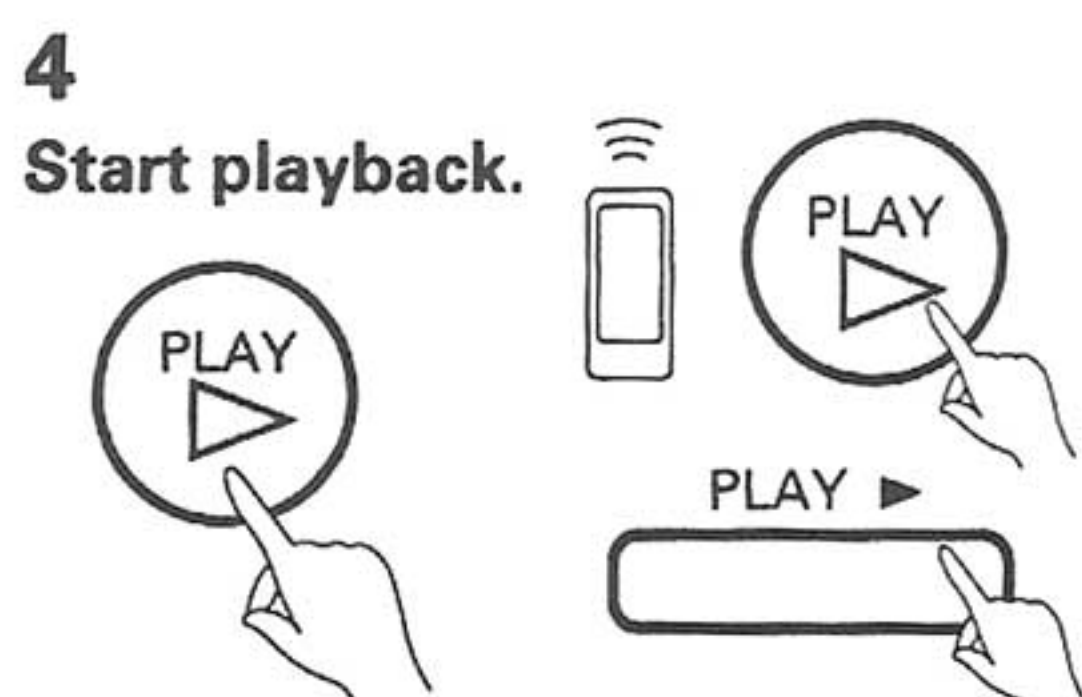
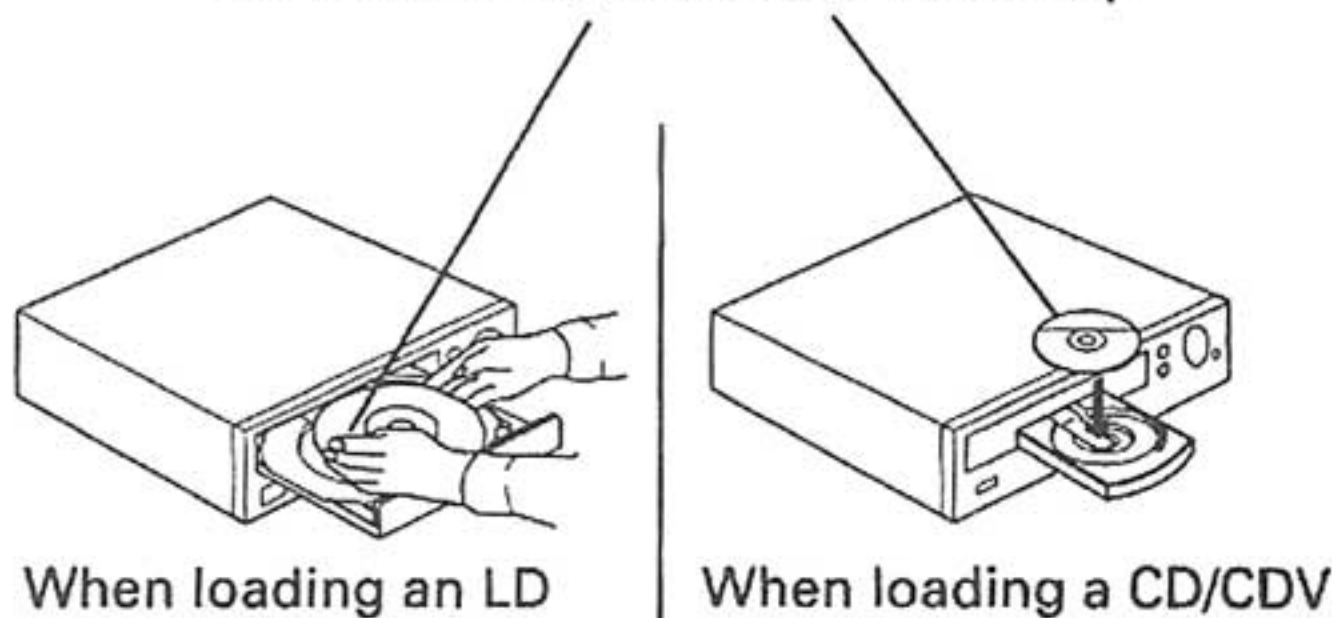
Operations indicated by the [] mark are performed with the remote control unit.



If on the front panel is pressed in the STANDBY mode, the power is automatically turned on and the disc table is opened.



CD/CDV: With the labeled side up
LD: With the desired side's label up



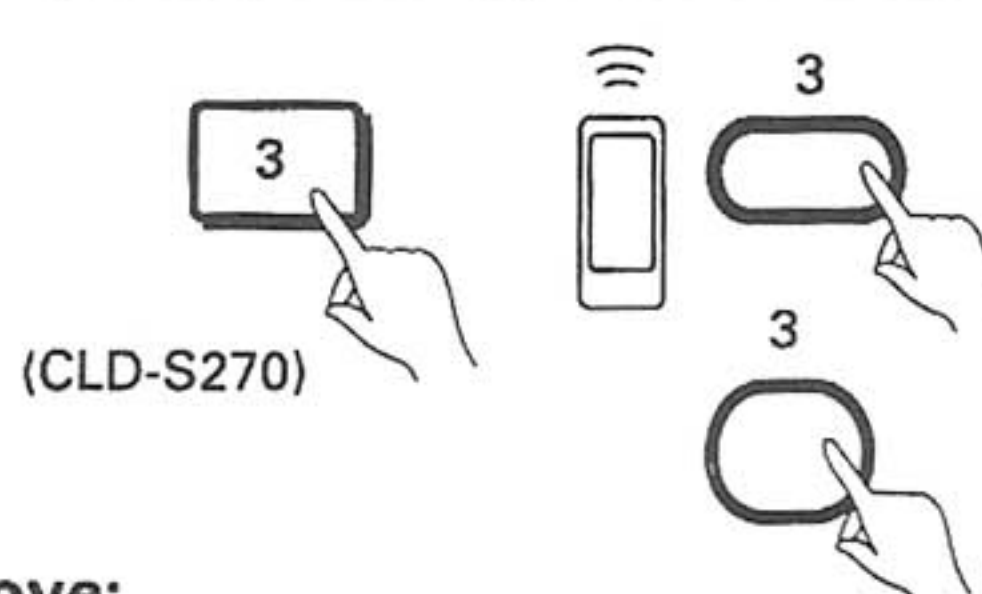
- When is pressed in STANDBY mode with a disc loaded in the player, the power is turned on automatically and playback starts.

To play from the desired chapter or track

<Direct search>

Press the digit button of the chapter/track number to be played first.

(Example) To play from chapter/track No. 3



To search for chapter or track number 10 or above:

Use button

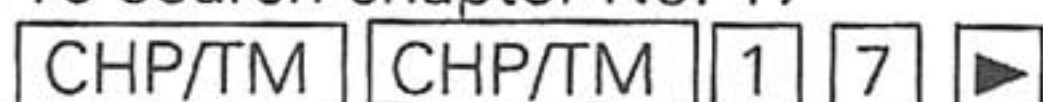
(Example) To enter 17: ,

To enter 30: , , ,

<Normal search>

Chapters can also be searched using CHP/TM.

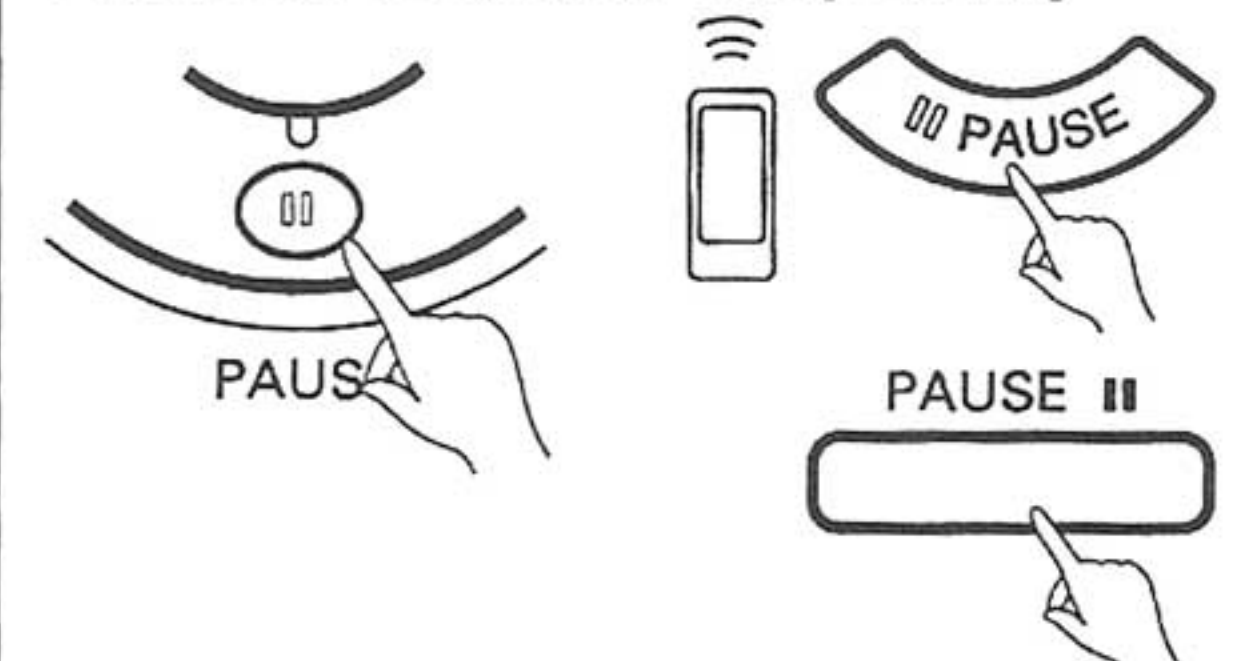
(Example) To search chapter No. 17



The button cannot be used in this case.

II PAUSE

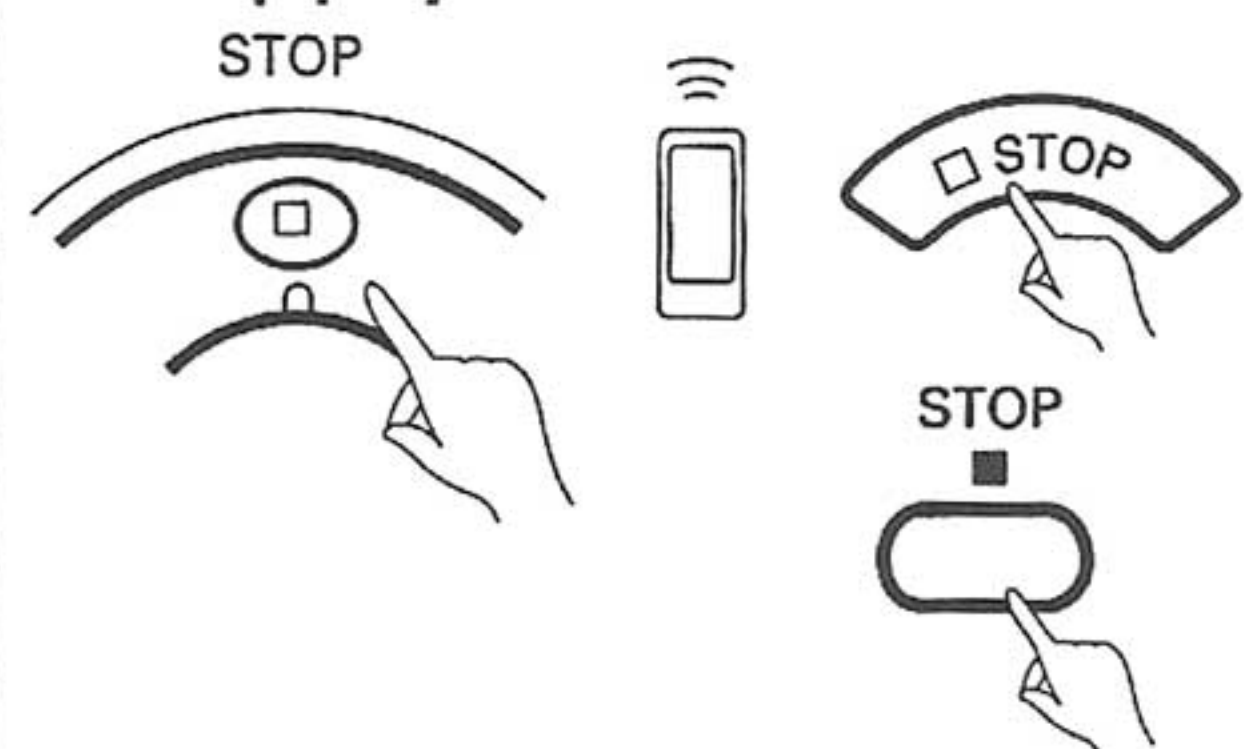
To pause playback temporarily



Press or again to resume playback.

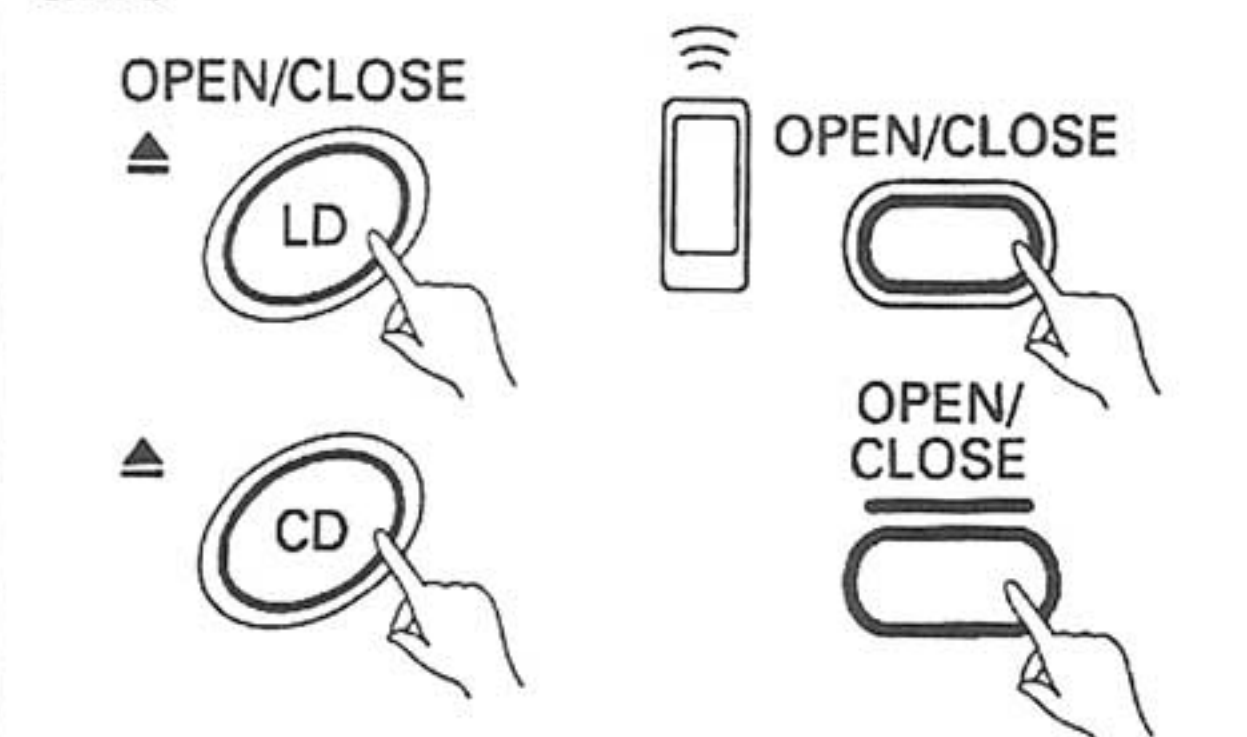
III STOP

To stop playback



IV OPEN/CLOSE

To stop playback and take out the disc



After removing the disc from the disc table, press or to close the table.

* Precautions concerning disc loading

- Do not place more than one disc on the disc table. If two discs are placed one on top of the other on the disc table, discs may be scratched and/or a malfunction may occur.
- Playback is not possible unless the disc is placed properly.

To avoid malfunctions, be especially careful about the following points.

- Do not place any object other than a disc on the disc table.
- Do not move the player while a disc is playing. This will cause the disc to be scratched.
- Be careful not to catch your finger in the disc table section while the disc table is being retracted into the unit. Also, be careful that children do not put their hands into the inside of the unit while the disc table is open. This may cause injury.

Switching audio

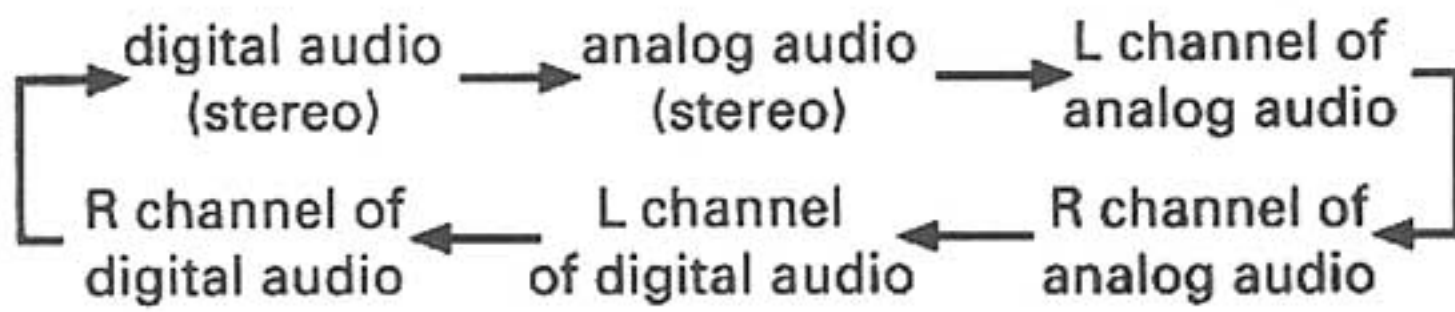
Each time AUDIO is pressed during playback, audio output is switched. For example;

- to hear only the analog audio of a disc with digital audio
- to hear only one channel of stereo disc
- to select audio of the multiplex disc

LD

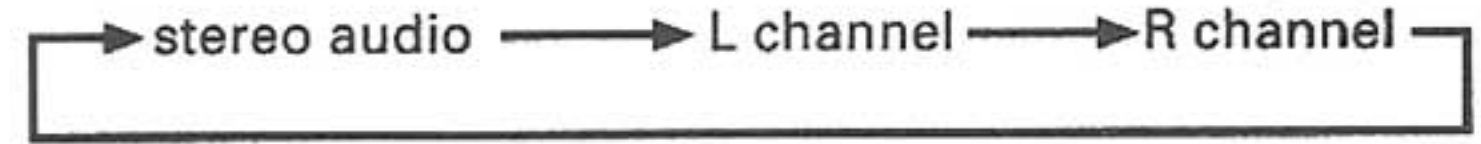
LD with digital audio

Audio source can be switched between digital audio, analog audio, L channel and R channel of stereo audio.

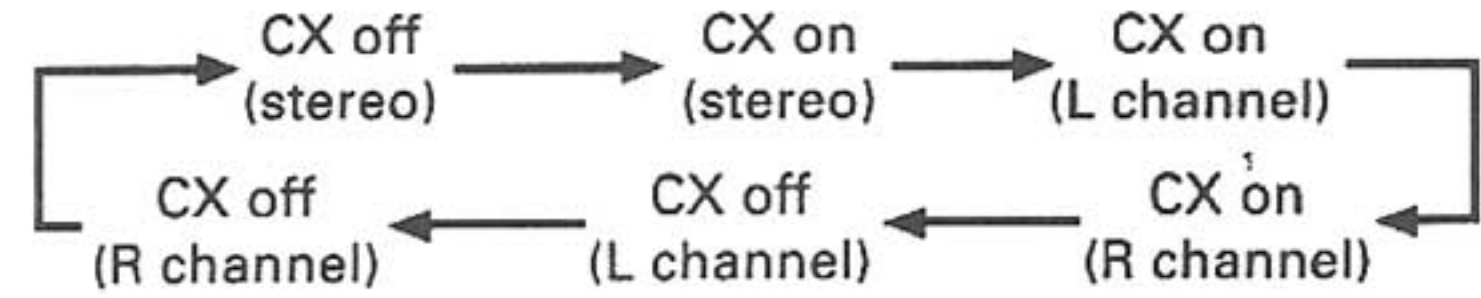


LD with analog audio

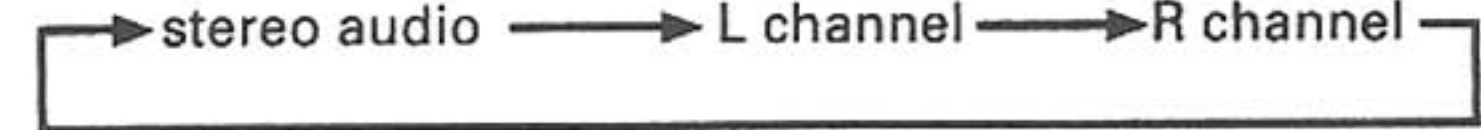
- With a disc encoded with CX auto-switching signals



- With a disc not encoded with CX auto-switching signals



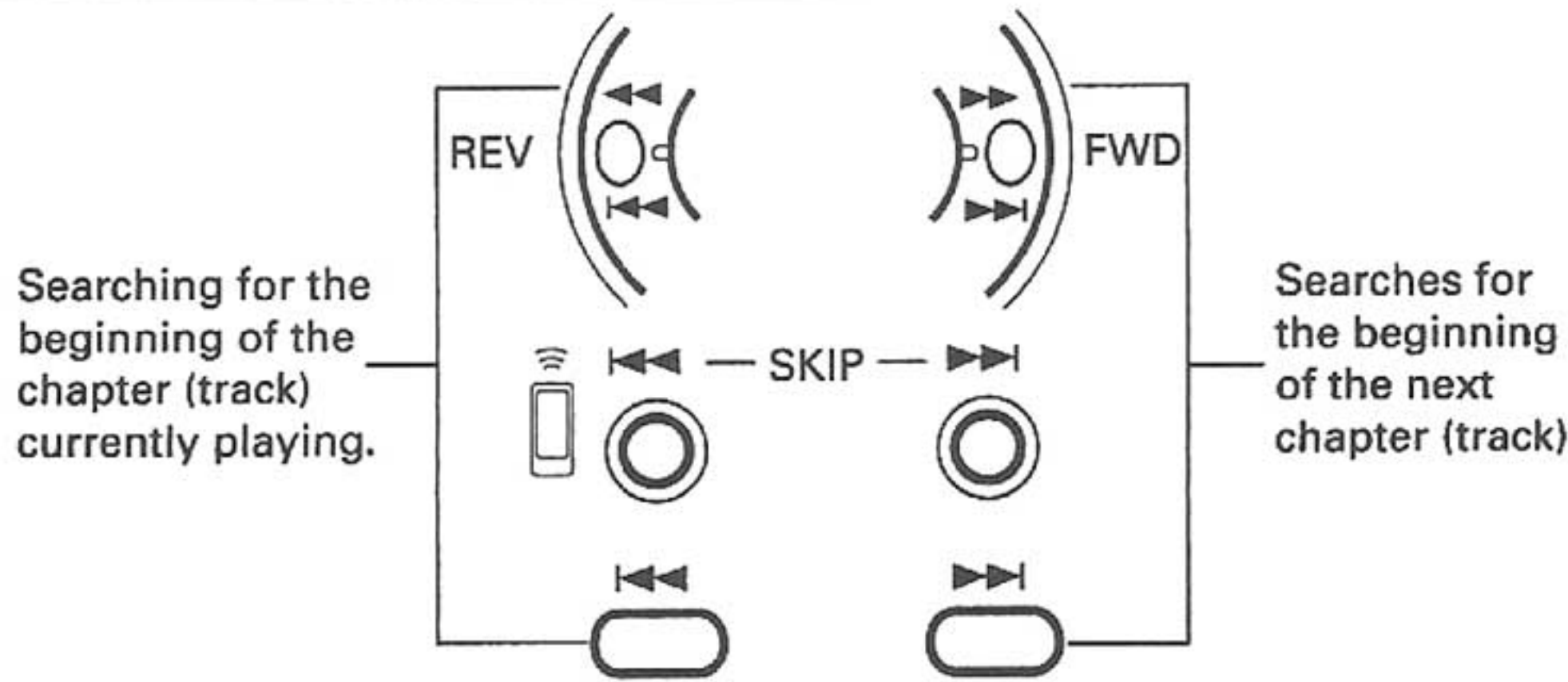
CD or CDV



With a Multi Audio disc (an LD bearing the **digital** mark and the **MULTI AUDIO** mark or the **digital MULTI AUDIO** mark), you can listen to the various audio tracks recorded on the disc by using AUDIO to select between the analog and digital tracks, and to select between the left (1/L) and right (2/R) channels.

Chapter (Track) Skip – To search for the beginning of a chapter/track

LD/CD/CDV

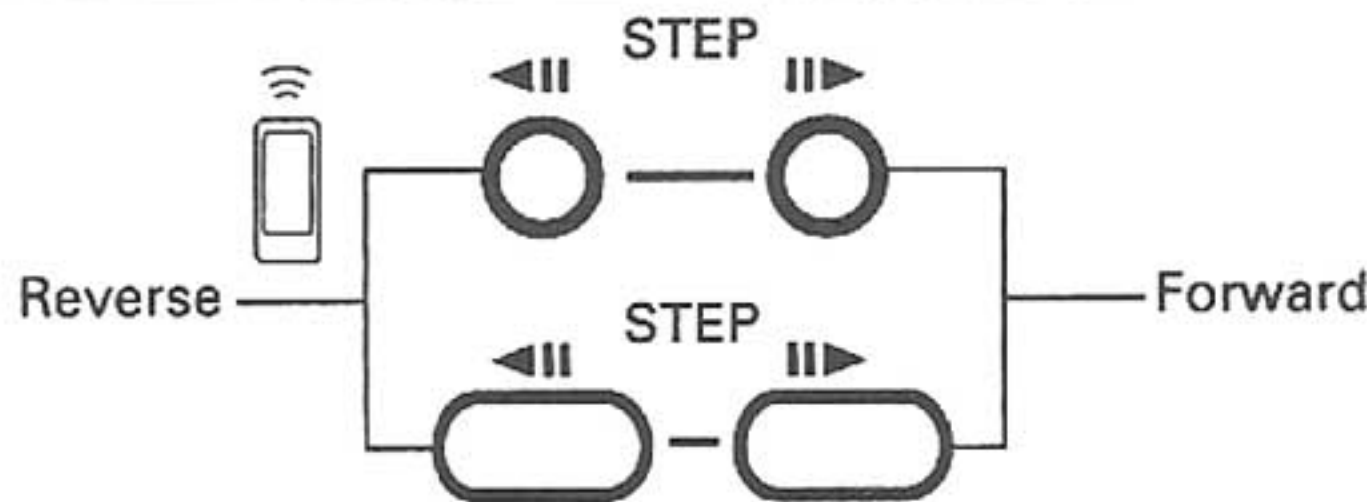


Press a button repeatedly or hold it depressed (only with the remote control unit); the chapters (tracks) will be skipped successively.

- When **REV** or **FWD** on the front panel is pressed in stop mode, playback starts.

Still frame and Frame-by-Frame advance function (CAV disc only)

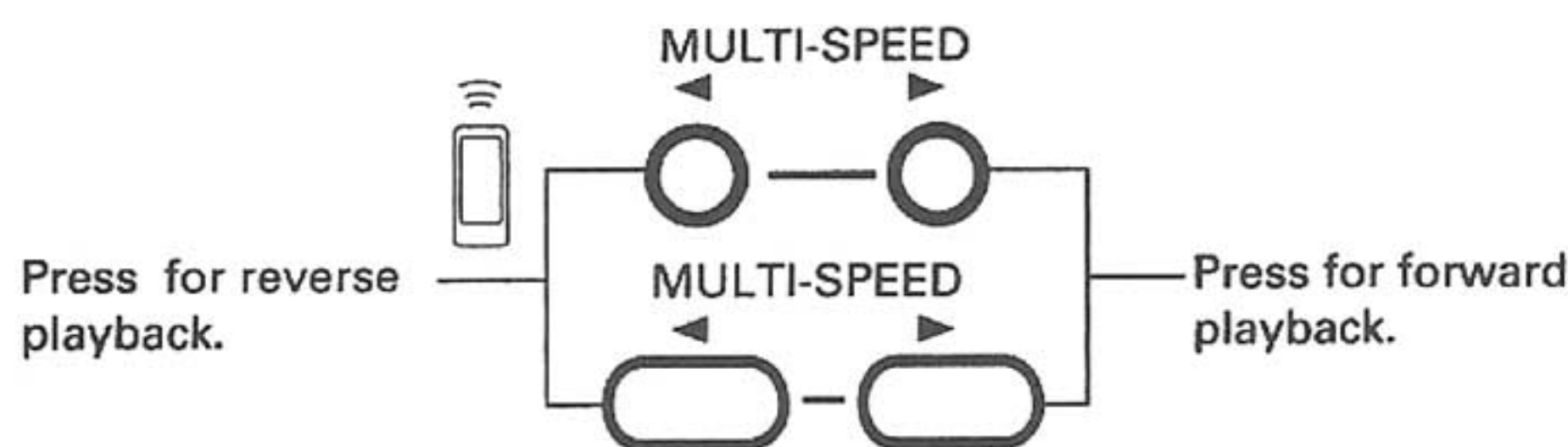
LD



Press repeatedly for frame-by-frame advance.

MULTI SPEED To vary the playback direction or speed (CAV disc only)

LD



When MULTI-SPEED is pressed once, playback speed becomes 1/8 of the normal playback. Each time the same button is pressed, playback speed changes as showing the table.

speed display	Playback speed
1/8	1/8 of the normal playback
1/2	half the normal playback
x2	twice the normal playback
1/2	half the normal playback
1/8	1/8 of the normal playback
1/30	1/30 of the normal playback

During Multi-speed playback:
Sound is not output.

With CLV discs:

Multi-speed, Frame-by-frame and Still Frame operations cannot be performed. If MULTI-SPEED or STEP is pressed during playback of a CLV disc, the warning message "CLV" will be displayed on the screen for about 3 seconds.

Discs marked with the **CX** mark

Discs marked **CX** are recorded with the CX noise reduction system for powerful audio reproduction with little noise. (Analog audio only) However, some discs marked **CX** are not encoded with the signals necessary to instruct the unit to automatically switch on the CX system. If sound is noisy or undulates when a disc with a **CX** mark is played, press AUDIO on the remote control unit.

- **CX** is a trademark of CBS Inc. This player meets the CX EXPANDING SPECIFICATION.

Automatic picture stop

Some of discs contain a recording of a special code called the "picture stop code", which turns normal play or slow play automatically into still frame display.

To cancel the automatic picture stop operation, press and hold **▶** for more than 2 seconds until "PSC ON" (picture stop cancel ON) is displayed on the screen. To re-activate, press and hold **▶** for more than 2 seconds again until "PSC OFF" is displayed.

TO PLAY AN LD, CDV, OR CD

Last memory (LD)

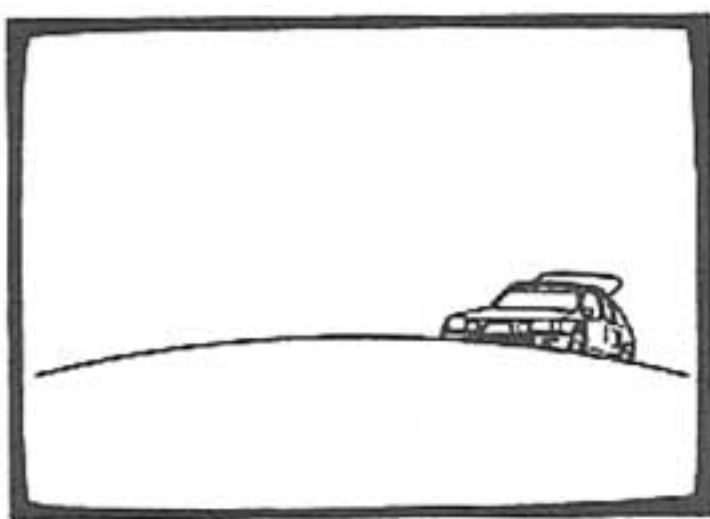
When playback of an LD is stopped, it can be resumed from where it was interrupted.

In standby mode, by pressing LAST MEMORY on the front panel of the unit, the power is automatically turned on and playback of the loaded disc is resumed.

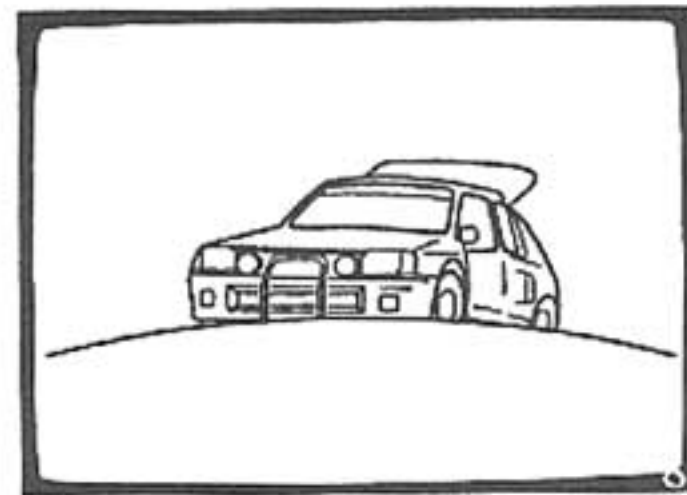


After playback of an LD is stopped by pressing ■, leave the disc in the player. Press LAST MEMORY.

To resume playback from where playback is stopped:



position slightly before the playback is stopped.

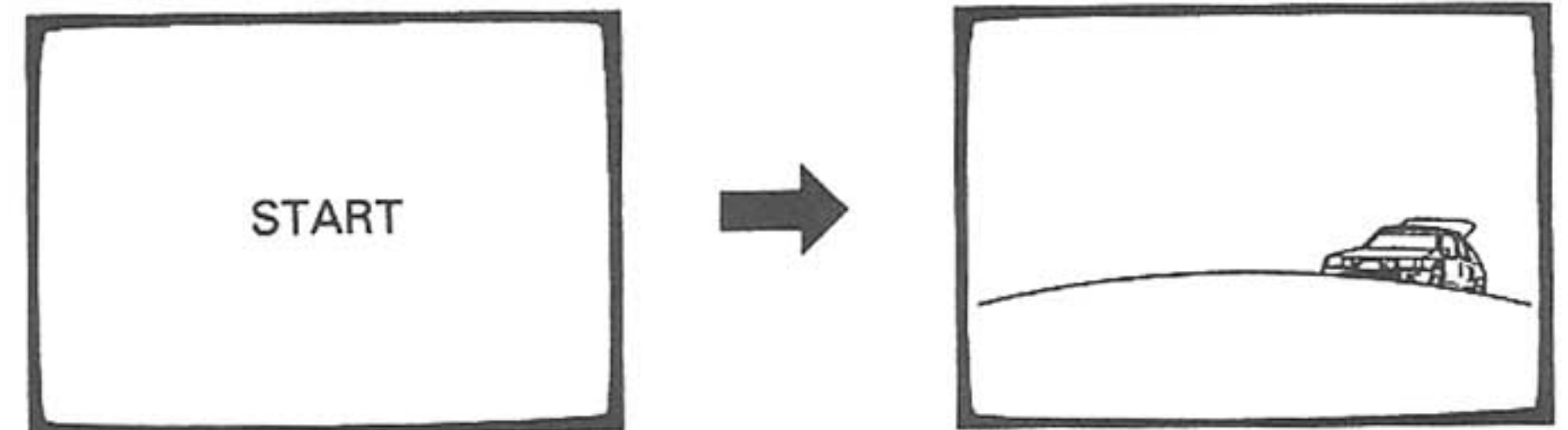


position where playback is stopped.

Press LAST MEMORY once. Playback starts from the point slightly before where ■ is pressed.

Playback of the last played part, repeating normal playback for about 2 seconds and fast-forward playback alternately, then normal playback from the point slightly before where playback is stopped.

Repetition of normal playback for about 2 seconds and fast-forward playback.



Press LAST MEMORY twice.

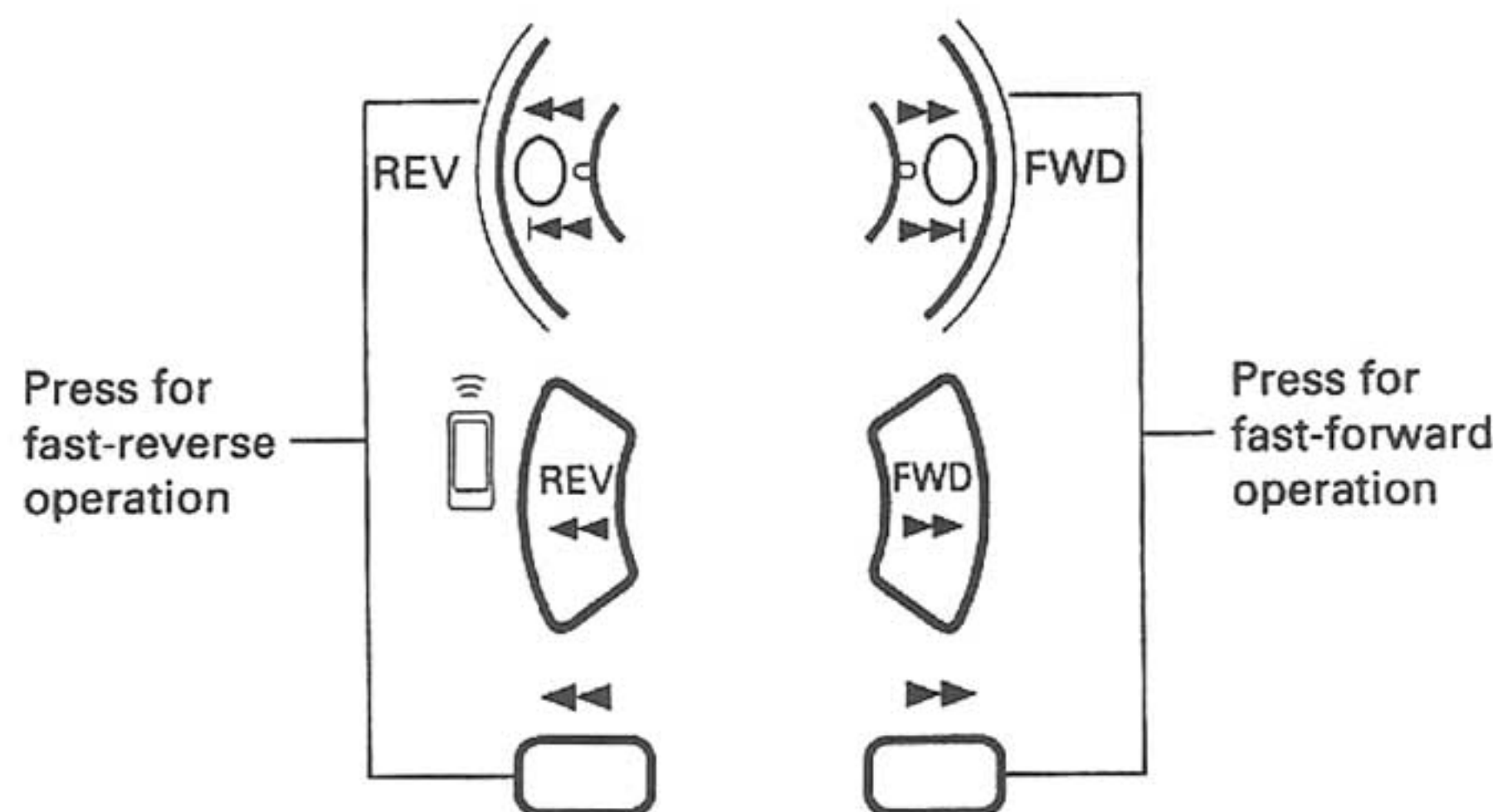
Playback starts from the beginning of the disc, repeating normal playback for about 2 seconds and fast-forward playback alternately. Then player enters normal playback mode from the point slightly before where ■ is pressed. When LAST MEMORY is pressed during fast-forward playback, normal playback starts from the point slightly before where previous playback was stopped.

NOTES:

- Last memory function is carried out only for playback of an LD. With CD or CDV, Last memory does not function.
- If ► is pressed after playback is stopped by pressing ■, playback starts from the beginning of the disc.
- Leave the disc in the player after playback is stopped. If the disc is once removed, Last memory does not function.
- Always connect the power cord to the active AC outlet.

◀▶ Scan (Manual Search) – Search using fast forward or fast reverse

When the Track/manual search button is pressed in playback mode, playback advances or reverses at high speed. There are three scan modes.



Low Scan mode: Scan speed becomes about x10 of the normal playback speed.

High Scan mode: Scan speed becomes about x30 of the normal playback speed.

Clear Scan mode: The image may not fluctuate in this mode.

- With video part of CDV, High Scan mode cannot be carried out.
- In Clear Scan mode, when digital sound is selected with digital audio discs, sound is heard at a low volume level.
- With CDs or audio part of CDVs, sound is heard at a low volume level while scanning.
- Others: Sound is muted.
- The screen image may be disturbed during scanning, but this is not a malfunction.

Normally Low Scan and High Scan is performed. To perform Clear Scan, press DISPLAY on the remote control unit to display the screen and then press ◀▶ or ▶▶. For about two seconds after the button is pressed, Low Scan is performed, after that, the unit enters High Scan.

TO SEARCH FOR A PARTICULAR TIME/FRAME

Time Number Search/Frame Number Search

Frame Number Search (CAV discs only) – To search by designating the frame number

Any desired frame can be searched for by specifying its frame number.

1. Press **CHP/TM** during playback.
2. Enter the required frame number with the digit buttons (0 - 9).
3. Press **►**.

Time Number Search (CLV disc only) – Example: To search for the scene located at 12 min. 34 sec

1. Press **CHP/TM** during playback.
2. Enter **1**, **2**, **3** and **4** with the digit buttons.
3. Press **►**.

CAUTION:

If a disc does not contain information in seconds, specify the time number only in the minutes.

When **►** on the remote control unit is pressed to start search operation:

A still frame is displayed (CAV). To start normal playback, press **►** again.

Notes on searching for a chapter:

- If you make a mistake in pressing the digit buttons, press **CLEAR** and press the correct digit buttons.
- The **+10** button does not function.

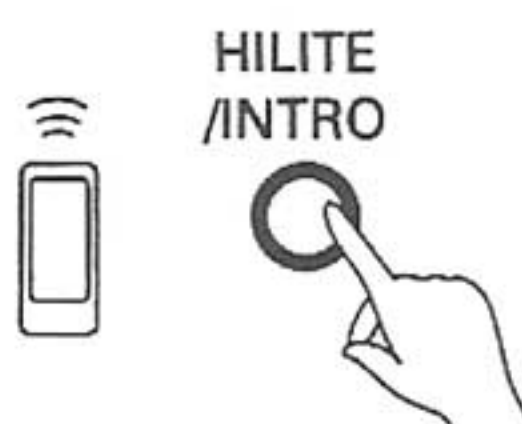
To exit search mode:

Press **CLEAR**. Normal playback starts.

TO SEARCH FOR A PARTICULAR CHAPTER/TRACK

Hi-Lite Scan/Intro Scan

Press **HILITE/INTRO**.



Hi-Lite scan (CD or audio part of CDV)

Press in stop mode to play an 8-second period from 1 minute 00 seconds to 1 minute 8 seconds of every track in sequence. The "HILITE" is displayed during this operation. When the desired track is played, press **►**. The unit enters play mode.

NOTE:

If the button is pressed in play mode, the 8-second Hi-Lite scan starts from that moment. For example, if the button is pressed at 1 minute 30 seconds of track No. 2, 8 seconds from 1 minute 30 seconds to 1 minute 38 seconds of every remaining track will be played.

Intro Scan (LD or video part of CDV)

When **HILITE/INTRO** is pressed, the beginning of each chapter is played for about 8 seconds. The "INTRO" is displayed in the Intro Scan mode.

When the desired chapter or track is played, press **►**. The unit enters play mode.

- With CDV, Intro Scan starts with the video part, and then the audio part will be played with Hi-Lite Scan.

NOTE:

With discs which do not contain chapter numbers, Intro scan cannot be operated.

TO PLAY ALL CHAPTERS/TRACKS IN RANDOM ORDER

Random Playback

Random Playback allows all chapters/tracks to be played in random order.

- If RANDOM is pressed during Random playback, the current playing order is canceled and Random playback starts in another order.
- In LD which contains TOC, first press ► and then press RANDOM.

Press RANDOM on the remote control unit.



NOTES:

- With Random Playback, chapter No. 0 will not be played.
- It is not possible to play back the programmed contents in random order.

To stop Random Playback:
Press ■.

During Random playback:

- When ►► is pressed the playback order of chapters/tracks is changed.
- When ◀◀ is pressed, playback returns to the beginning of the chapter or track being played.
- Random playback is canceled by pressing CLEAR. Playback continues in normal playback mode.

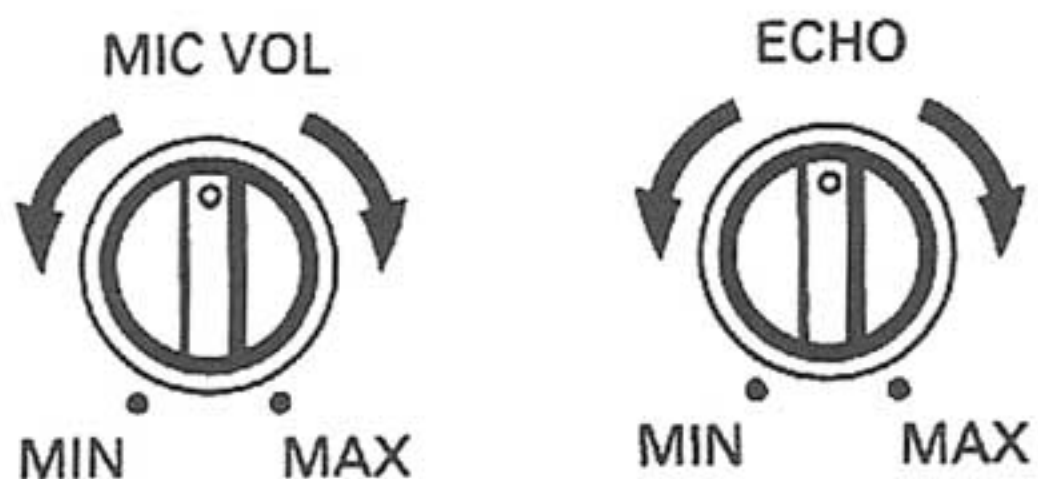
MIC MIXING (CLD-S370/CLD-S304 only)

The microphone input sound can be mixed with the disc playback sound.

1. **Connect a microphone to the MIC jack.**
 - When a microphone is connected, the player enters auto pause mode.



2. **Adjust the microphone volume and the echo level with the MIC VOL control and ECHO level control.**



- If "howling" (microphone feedback) occurs:
During use of the microphone, if a high-pitched howling sound comes from the speakers, do one of the following:
 - ① Place the microphone as far from the speakers as possible.
 - ② Lower the sound volume.

NOTE:
While CDs or the audio part of CDV discs is played, connecting a microphone to the MIC jack may slightly reduces the volume level.
However, this is not a malfunction.

SINGING ALONG

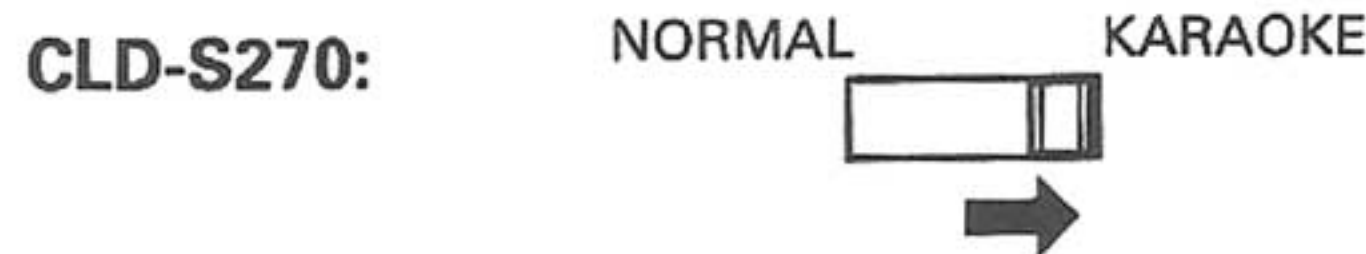
CLD-S370/CLD-S304:
This function reduces the volume of the original vocals. As a result, when the ONE-TOUCH KARAOKE button is pressed and a microphone is used for singing, you can easily enjoy the mood of karaoke musical accompaniment.

Begin playback, and press the ONE-TOUCH KARAOKE button.

- When a microphone is connected to the MIC jack, the player enters auto pause mode.



- NOTES:
- No effect can be obtain with some discs.
 - Sound is not heard with monaural sources.



When the NORMAL/KARAOKE switch on the rear panel is set to KARAOKE position, the player enters auto pause mode.

Auto pause mode
When a chapter/track is selected with the digit buttons or during program playback or random playback, the player automatically enters pause mode at the end of each chapter/track. When playback is started by pressing ►, the player does not enter auto pause mode.

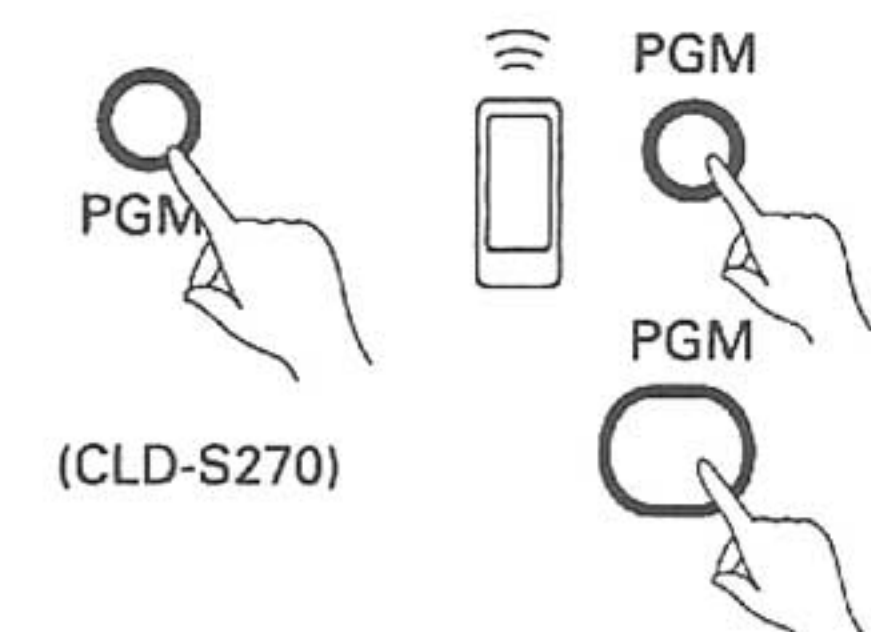
- To cancel the auto pause mode
1. Keep ■ on the front panel pressed for more than 2 seconds. Even if a microphone is connected to the MIC jack (CLD-S370) or the NORMAL/KARAOKE switch is set to KARAOKE position (CLD-S270), auto pause function will not be activated. In this case, the indicators ⑦ in the display window (→ see page 11) go off.
 2. When ► on the front panel is kept pressed for more than 2 seconds during program playback or random playback, the player will not enter auto pause mode.

TO PLAY ONLY DESIRED SCENES/TRACKS – Program Playback

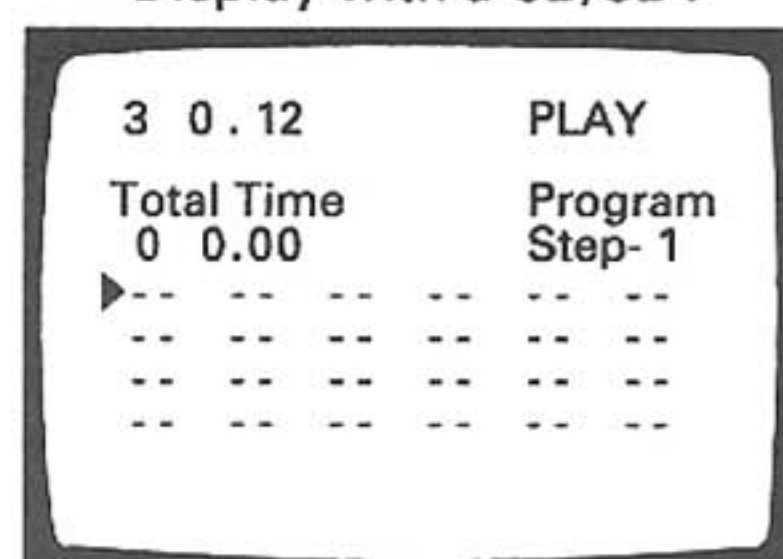
Selected chapters (LD) or tracks (CDV/CD) can be played in any desired order (max. 24 chapters or tracks).

Example: To play CD tracks No. 9, No. 7, and No. 18 respectively:

1. Press PGM.

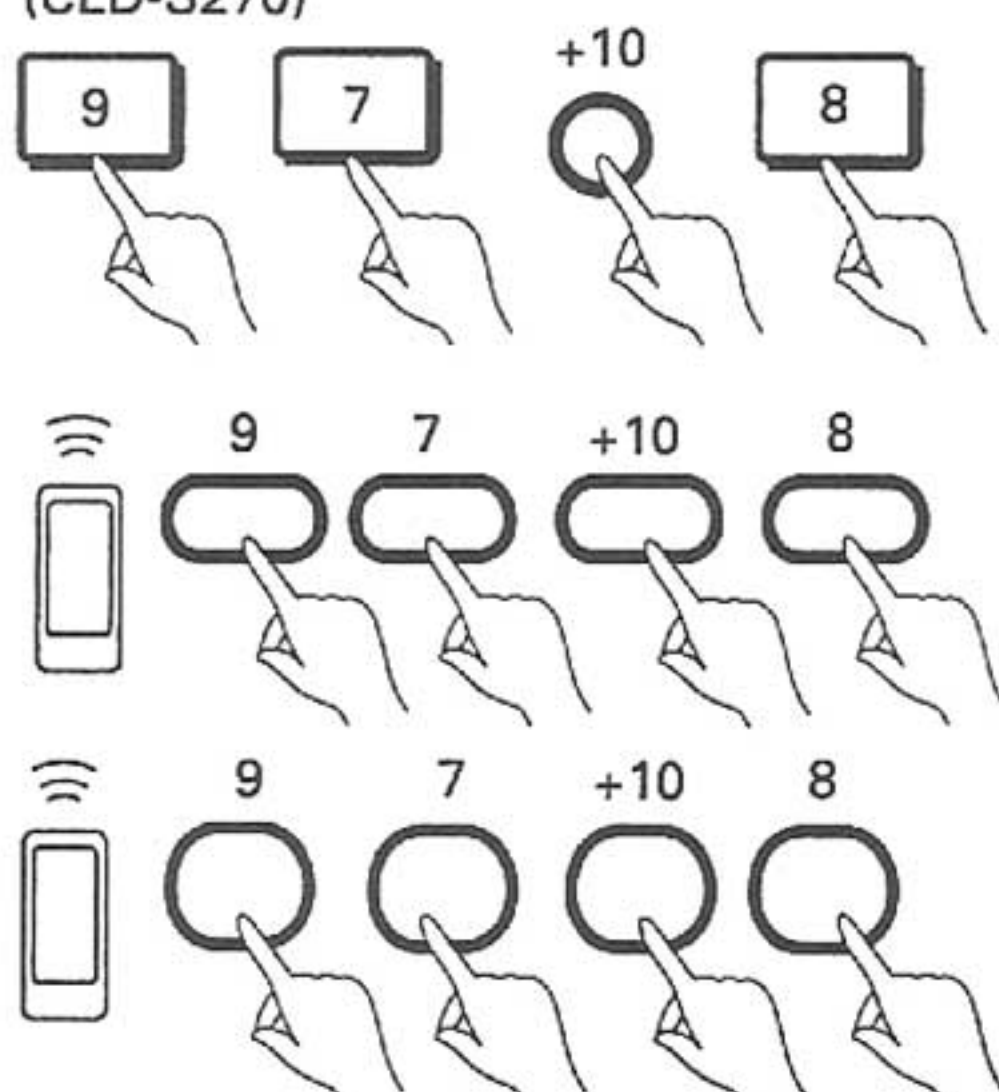


Display with a CD/CDV

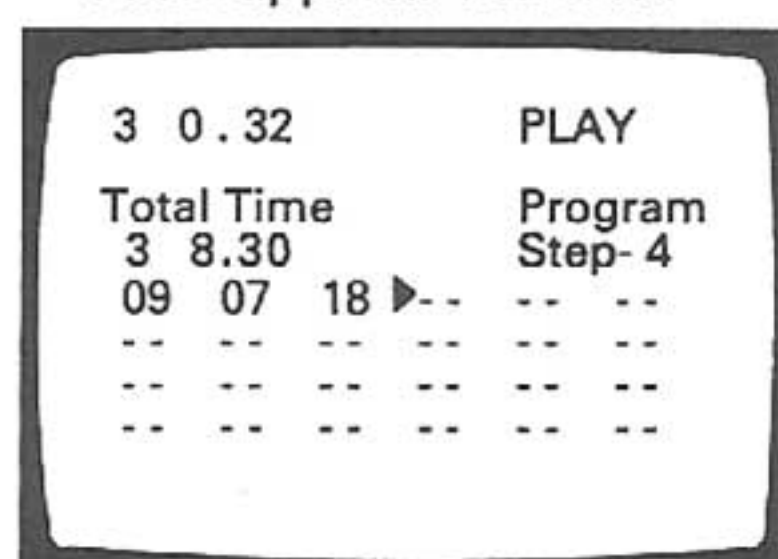


2. Enter 9, 7, +10, and 8 with the digit buttons.

(CLD-S270)



After approx. 1 second

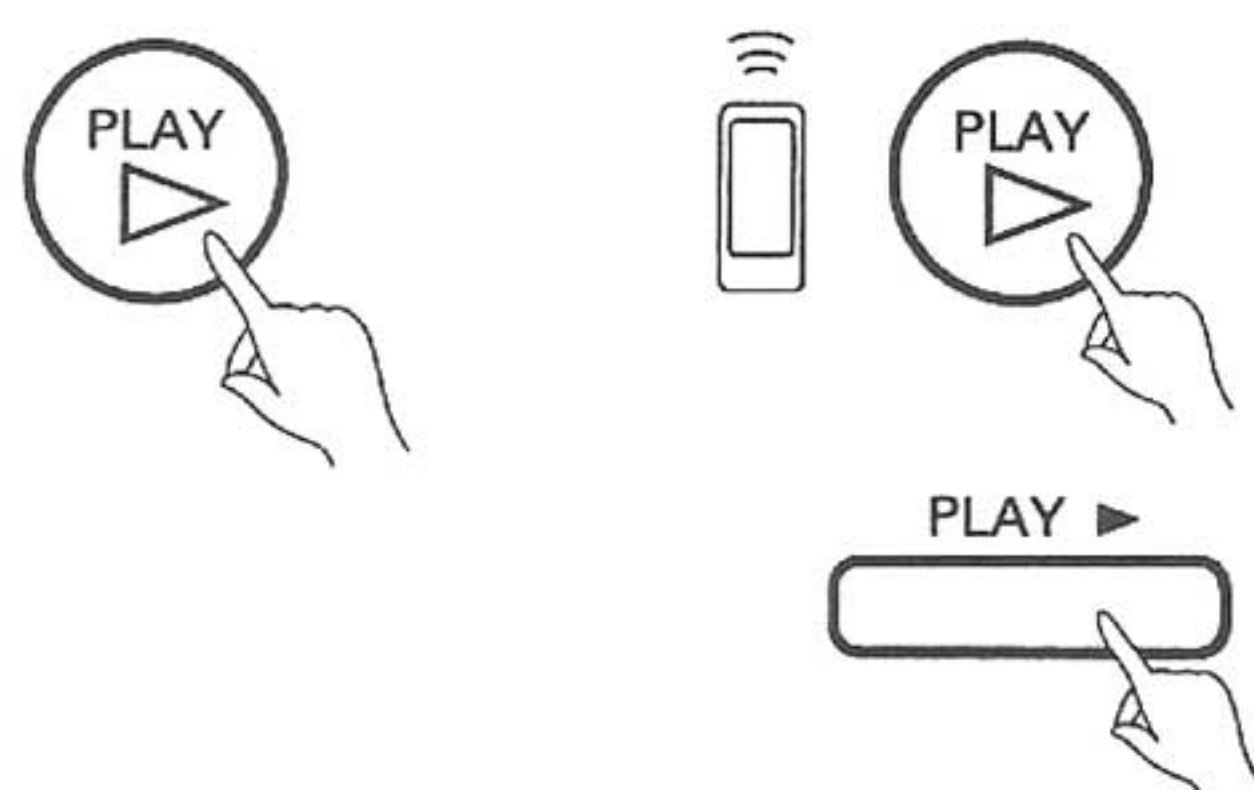


A pause between tracks/chapters can also be programmed by pressing **II** instead of the digit buttons.

If you make a mistake during entry:

Press **CLEAR** on the remote control unit and enter the correct number with the digit buttons.

3. Press ►.



- You can view the state of programming on the monitor TV screen.

To modify the program contents

To delete or change a programmed chapter/track or pause:

- Press PGM.
 - Press **◀◀** or **▶▶** to place the cursor (▶) on the left side of the chapter/track or pause to be changed.
 - To delete it, press **CLEAR**. To replace it with another chapter/track, enter the new chapter/track number with the digit buttons.
Press **II** to enter a pause.
 - Press PGM to complete programming. Pressing **▶** also completes programming and starts program playback with the new program contents.
- Programmed chapter/track being played cannot be erased or changed.
 - Programmed pause being engaged cannot be erased or changed.

To clear the program playback

Press **CLEAR** to return to normal playback.

To clear the program contents:

- Open the disc table.
- Press **CLEAR** while in stop mode.

NOTES:

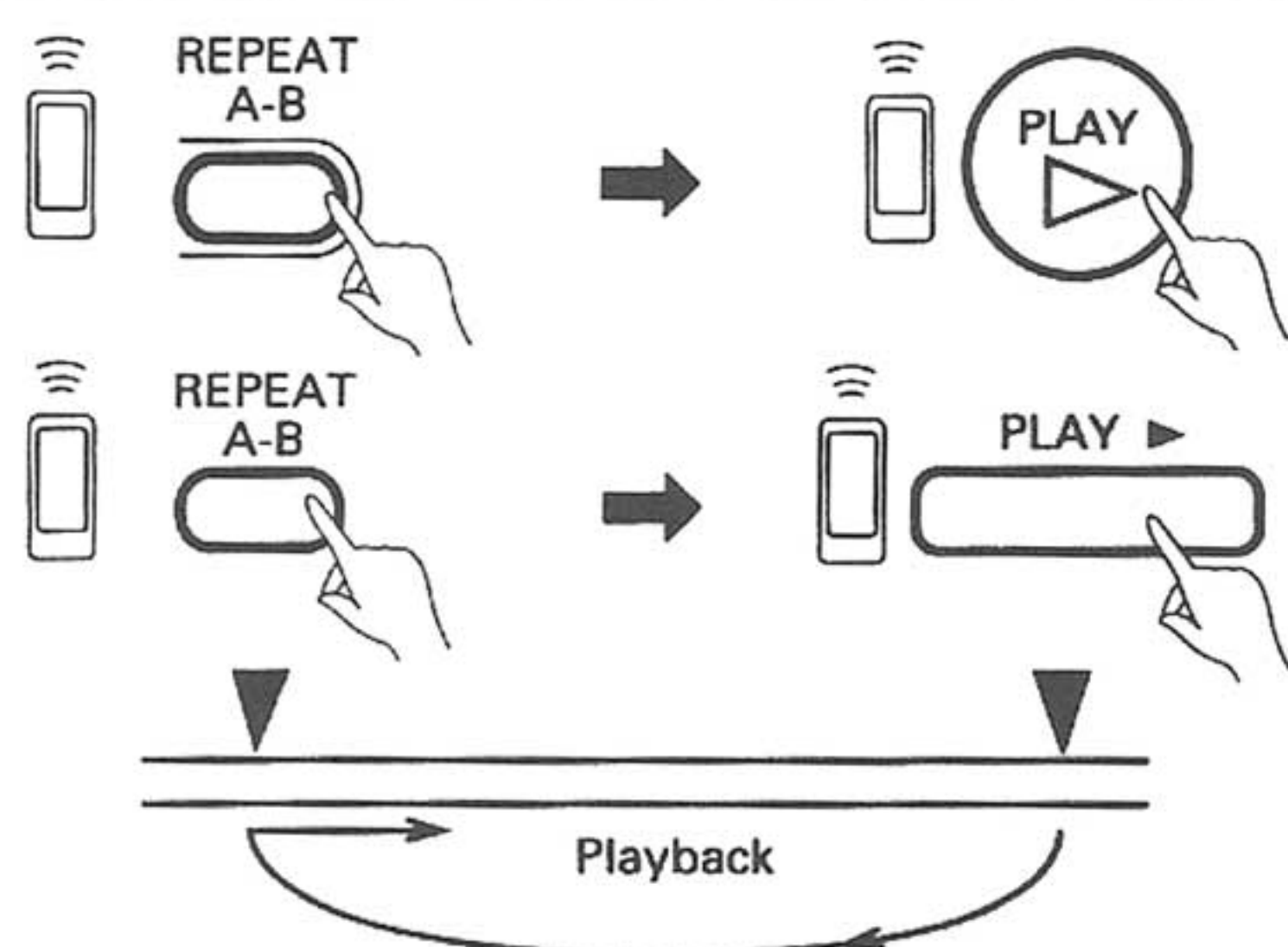
- If **▶▶** is held depressed during Program Playback, the playback position will move to another chapter/track, but when **▶▶** is released, the next chapter/track in the program will be played. If **◀◀** is held depressed, the playback position returns to the beginning of the current chapter or track being played, but it will not go beyond it to a previous chapter or track in the program.
- During program playback, **◀◀** and **▶▶** can be used to skip the programmed chapters/tracks or pause.

To check the program contents

During program playback or in stop mode, press PGM to display the program contents on the monitor screen. When PGM is pressed again, the program contents disappear.

TO REPEATEDLY PLAY A DESIRED PASSAGE – Repeat Playback

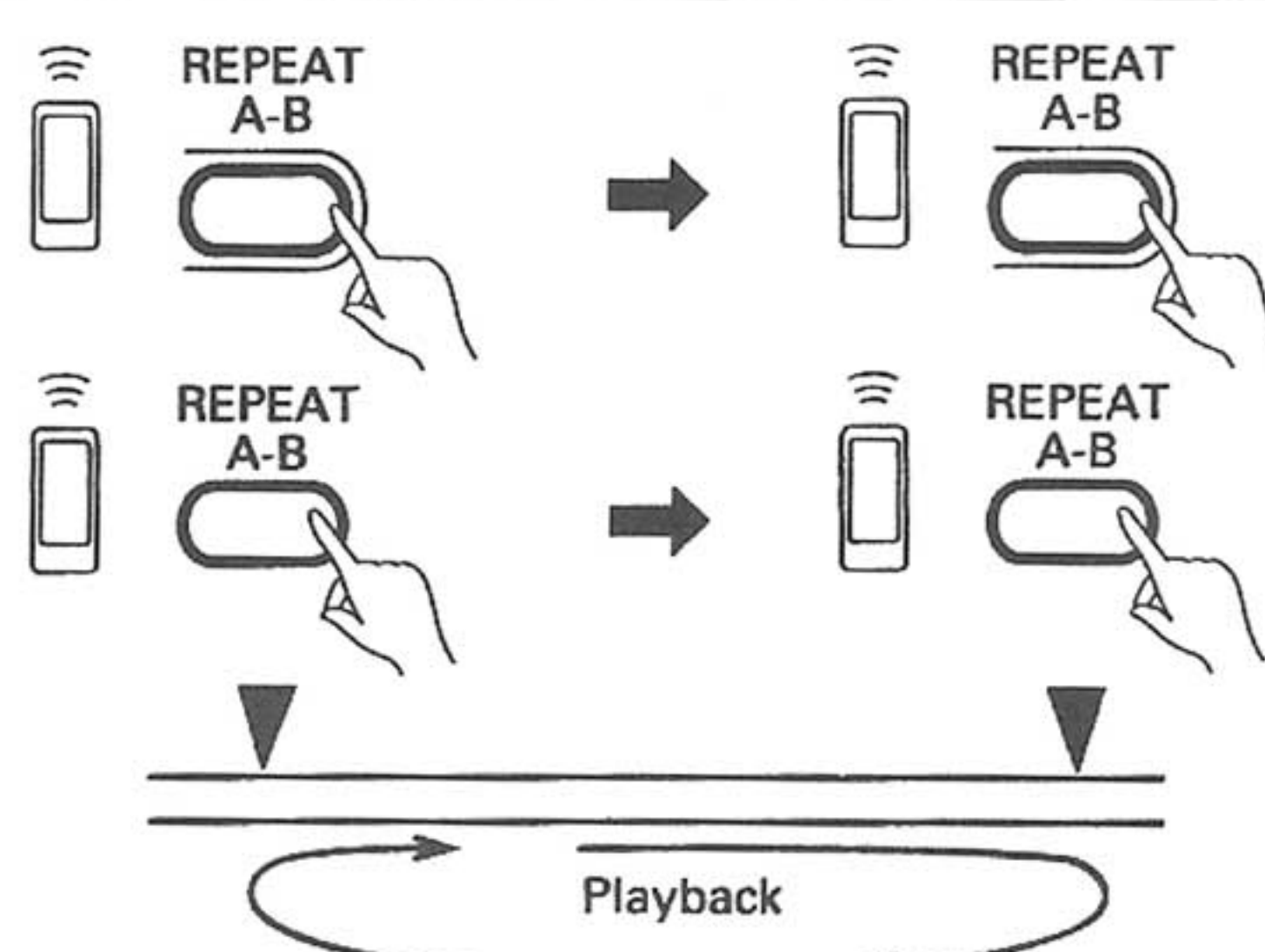
Memory Repeat – To specify a point to return to later



Press REPEAT A-B on the remote control unit at the point you want to see or listen to again (point A).

When you wish to return to point A, press ► on the remote control unit.

A-B Repeat – To repeat a specified section



Press REPEAT A-B on the remote control unit at the start point of the section to be repeated.

Press REPEAT A-B on the remote control unit at the end point of the section to be repeated. Playback returns to the beginning of the section and the section is repeated continuously.

Chapter/Track Repeat – To repeat the current chapter or track



Press REPEAT on the remote control unit while the chapter/track to be repeated is playing. When the end of the chapter/track is reached, the player returns to the beginning of the chapter/track and the chapter/track is played back repeatedly.

Program Repeat – To repeat a program

With the program repeat function, you can repeatedly play programmed chapters or tracks in their programmed order.

Press REPEAT on the remote control unit while the program is being played.

- See page 17 for details on programming.

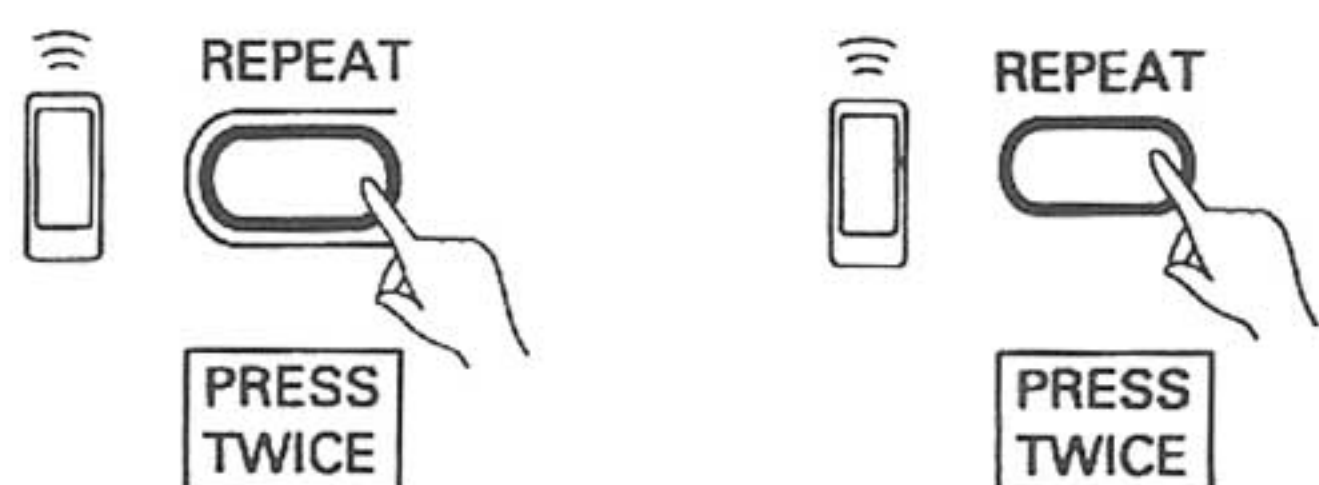
Random Repeat – To repeat a random play

Press REPEAT on the remote control unit during random playback.

With the random repeat function, you can repeatedly play the chapters or tracks in random order.

- See page 16 for details on Random playback.

One Side Repeat – To repeat an entire side of a disc



Press REPEAT on the remote control unit twice. When playback reaches the end of the playback side, the player returns to the beginning of the disc and the same side is played back repeatedly.

To exit repeat mode:

Press CLEAR on the remote control unit.

To specify a different point in Memory Repeat mode:

Press CLEAR to cancel the previously memorized point, and repeat the same operation as shown above. The previously memorized point is erased and replaced with the new point.

Memory Repeat and A-B Repeat with CDV discs:

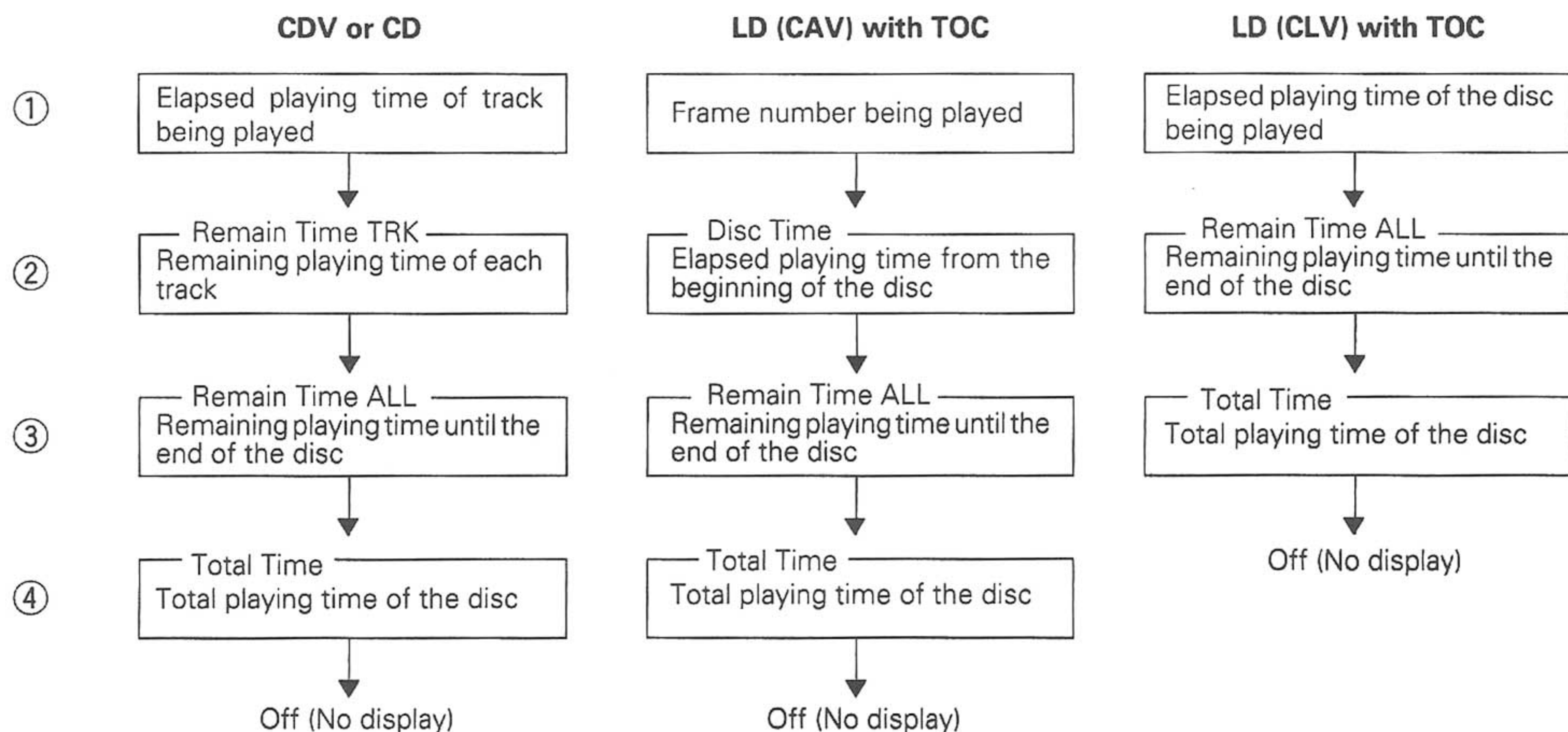
These repeat functions can only be carried out within the video part or within the audio part, and cannot be carried out between the two parts.

With LDs which have no chapter numbers:

Chapter repeat cannot be carried out.

DISPLAY SWITCHING

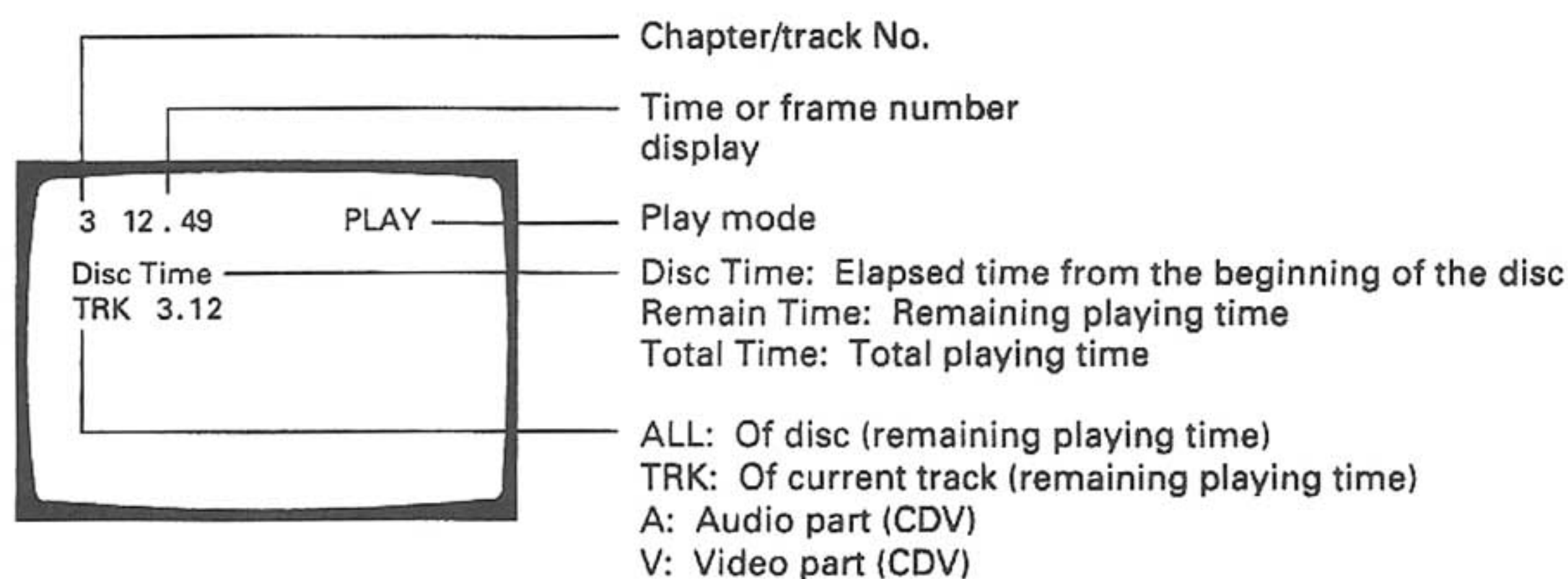
DISPLAY on the remote control unit allows you to display information including the play mode and disc playing time on the screen. Each press of DISPLAY switches the screen display as shown below.



LD discs without TOC:

Frame number (CAV)/Elapsed playing time (CLV) and Display-off mode are switched alternately on the display.

The actual screen display is as shown below.



The screen display disappears automatically if you leave it for a long time (for about 80 minutes or more) without any operation. In this case, press any button on the remote control unit so that the screen display will appear on the screen.

TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Inspect the other components and electrical appliances being used. If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Common to LD and CD

	Symptom	Possible Causes	Reference Page
Operation	1. The disc comes out even when the disc table is closed.	<ul style="list-style-type: none"> ● The disc is dirty or warped. ● The disc is not placed properly on the disc table. ● Condensation formed inside the player. 	p. 7, 12 p. 6 p. 4
Remote control	2. Remote control operation is not possible. 3. Improper operation of TV set, etc., occurs.	<ul style="list-style-type: none"> ● The control input jacks are in use. ● The remote control unit is too far from the player. ● The batteries are exhausted. ● Improper operation may occur with some TV sets. 	p. 8, 9 p. 5 p. 5
Audio	4. Audio is not output or distorted.	<ul style="list-style-type: none"> ● The connection between the player and amplifier is erroneous or the plugs are not inserted fully into the jacks. ● The connection plug of the jack is dirty. ● The player is in pause mode. ● A wrong input is selected on the amplifier. ⇒ Refer to the operating instructions of the amplifier. ● The audio output is connected to the PHONO input jacks of the amplifier. 	p. 8, 9 p. 12 p. 8, 9

LD

	Symptom	Possible Causes	Reference Page
Video, picture quality	5. TV programs cannot be viewed. 6. The video cannot be viewed, the picture quality is poor or noise interferes with the video. 7. A part of the still frame image shakes.	<ul style="list-style-type: none"> ● The VHF antenna is not connected. ● The power of the player is left on. ● A cable supplying the mixed signal of VHF and UHF signals is connected to the adapter. ● The disc is dirty or warped. ● The power of the TV is turned off. ● The connection is erroneous or the plugs are not inserted fully into the jacks. ● The still frame image may shake if it shows a dynamic scene. 	p. 8, 9 p. 8, 9 p. 7 p. 8, 9 p. 13
Audio (LD)	8. Audio sound is undulating. 9. Audio is not output.	<ul style="list-style-type: none"> ● A disc which does not carry the CX mark is played while the CX system is ON. ● The player is in the multi-speed, still frame or frame-by-frame advance mode. 	p. 13 p. 13

	Symptom	Possible Causes	Reference Page
Skip search	10. Skip, programming and search operations do not function properly.	<ul style="list-style-type: none"> The disc does not contain chapter number information. (The functions utilizing the chapter numbers cannot be used in this case.) 	p. 6, 7
	11. The search takes a long time (more than 40 seconds).	<ul style="list-style-type: none"> Some discs require much time for readout of data. 	p. 6, 7
	12. The start takes time.	<ul style="list-style-type: none"> Some discs tend to cause subcode readout error. (This is not a malfunction.) ⇒ Try pressing the stop and play buttons repeatedly to stop and restart playback. This repetition may sometimes make normal playback possible. 	
	13. A different time number than specified is searched.	<ul style="list-style-type: none"> Some discs tend to cause subcode readout error. (This is not a malfunction.) 	p. 15

CD

	Symptom	Possible Causes	Reference Page
Operation (CD)	14. Playback stops immediately after it has been started.	<ul style="list-style-type: none"> The disc is dirty. The disc is placed upside down. The disc is not placed properly on the disc table. 	<p>p. 7</p> <p>p. 12</p> <p>p. 6, 12</p>

ONE-TOUCH KARAOKE

	Symptom	Possible Causes	Reference Page
	15. The voice of the singer is not muted even when ONE TOUCH KARAOKE is pressed.	<ul style="list-style-type: none"> The voice of the singer is not muted unless it is located on the center of the acoustic image. 	p. 16
	16. Playback will not stop when one chapter or track is finished.	<ul style="list-style-type: none"> Chapters or tracks are not selected with the digit buttons. 	

CAUTION:

Abnormal functioning of this unit may be caused by lightning, static electricity, or other external interference. To restore normal operation, unplug the AC power cord and then plug it in again.

TROUBLESHOOTING

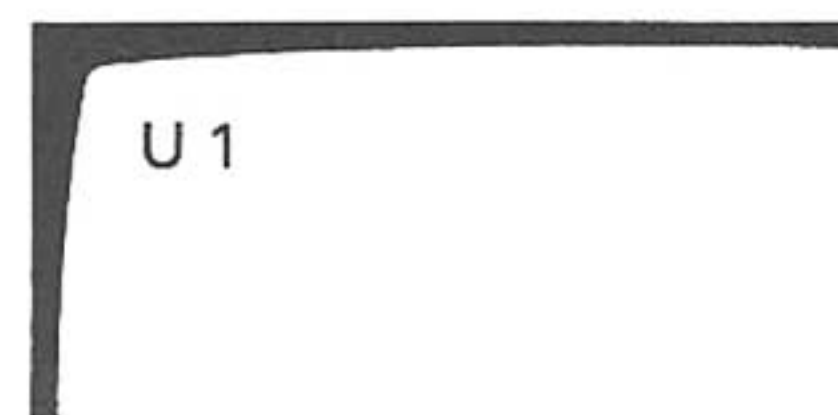
When troubles occur:

When some troubles occur during use of the player, the following display (service number) appears on the display of the player and the TV screen. If you are in those trouble, follow the "Remedy" below.

Display window of the player



TV screen



Displayed number	Condition of the player	Remedy
U 1	A disc is not loaded correctly on the disc table. Or, a disc is dirty.	Reload a disc corresponding to a disc guide on the disc table. Wipe a disc with a soft cloth.
U 2		Open the disc table and press ► again.
F 5	Two discs are loaded on the disc table. Or, a disc is dirty.	Load only one disc on the disc table. Wipe a disc with a soft cloth.
P 2 L 3 E 4	(The displayed number after P, F, L, E differs depending on the condition of the player.)	Open the disc table and press ► again. If the same service number is displayed, the player is in abnormal condition. When requesting service, please notify the displayed number on the display of the player or on the TV screen (for example, 'service number E 4').
H 0 H 1 H 2	The player is in abnormal condition.	When requesting service, please notify the displayed number on the display of the player or on the TV screen (for example, 'service number H 1').

SPECIFICATIONS

General

System	LaserVision Disc system and Compact Disc digital audio system
Laser	Semiconductor laser wavelength 780 nm
Power requirements	
CLD-S370, CLD-S270	AC 110 - 240 V, 50/60 Hz
CLD-S304, CLD-S104	AC 120 V, 60 Hz
Power consumption	
CLD-S370/CLD-S304	30 W
CLD-S270/CLD-S104	30 W
Weight	
CLD-S370/CLD-S304	5.9 kg (13 lbs 0 oz)
CLD-S270/CLD-S104	5.7 kg (12 lbs 9 oz)
Dimensions	
CLD-S370/CLD-S304	420 (W) x 384 (D) x 120 (H) mm
	16-9/16 (W) x 15-1/8 (D) x 4-3/4 (H) in
CLD-S270/CLD-S104	420 (W) x 381 (D) x 120 (H) mm
	16-9/16 (W) x 15 (D) x 4-3/4 (H) in
Operating temperature	+5 °C ~ +35 °C (41 °F ~ 95 °F)
Operating humidity	5 % ~ 85 % (There should be no condensation of moisture.)

Video characteristics

Format	NTSC specifications
Video output	
Level	1 Vp-p nominal, sync. negative, terminated
Impedance	75 Ω unbalanced
Jack	RCA jack

Audio characteristics

Output level	
During analog audio output	200 mVrms (1 kHz, 40 %)
During digital audio output	200 mVrms (1 kHz, -20 dB)
Jacks	Both RCA jacks
Number of channels	2 (Stereo)

Digital Audio Characteristics

CLD-S370/CLD-S304:

Frequency response	4 Hz - 20 kHz
SN ratio	115 dB (EIAJ)
Dynamic range	96 dB (EIAJ)
Total harmonic distortion	0.0035 % (EIAJ)
Wow and flutter	Limit of measurement (EIAJ)

CLD-S270/CLD-S104:

Frequency response	4 Hz - 20 kHz
SN ratio	98 dB (EIAJ)
Dynamic range	94 dB (EIAJ)
Total harmonic distortion	0.0045 % (EIAJ)
Wow and flutter	Limit of measurement (EIAJ)

Other terminals

Control input/output	Both miniature jacks
VHF adapter output (Video/Audio)	Both RCA jacks with DC jack

Accessories

Remote control unit	1
Size "AAA" (IEC R03) dry cell batteries (CLD-S370/CLD-S304)	2
Size "AA" (IEC R6P) dry cell batteries (CLD-S270/CLD-S104)	2
Video cord	1
Audio cord	1
Operating instructions	1
Warranty card	1

NOTE:

The specifications and design of this product are subject to change without notice, due to improvement.

LaserDisc is a trademark of Pioneer Electronic Corporation.

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