

Operating Instructions

CD CDV LD PLAYER

CLD-J910

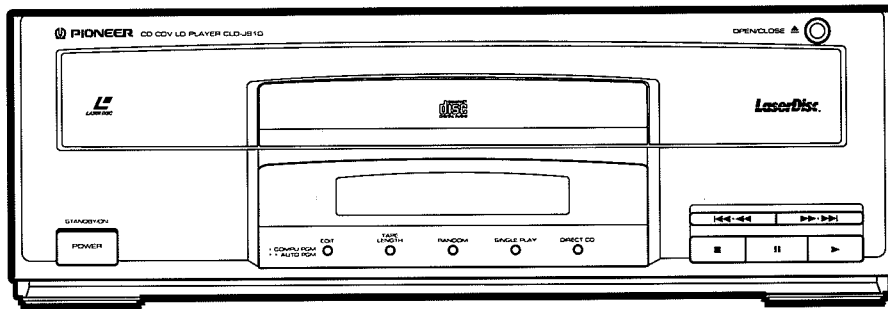
COMPACT
disc
DIGITAL AUDIO

L
LASER DISC

LaserDisc

NTSC

- This player does not apply to business use, and CD-ROM/CD graphic discs cannot be played with this player.



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.

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

"This product complies with the Radio Interference requirements of the EC (European Community) Directive 87/308/EEC."

CAUTION: Be sure to use the shielded cables when connect this equipment to other devices.

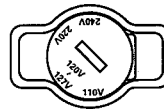
VOLTAGE SELECTOR SWITCH

Mains voltages in Saudi Arabia are 127V and 220V only. Never use this model with a 110V setting in Saudi Arabia.

The line voltage selector switch is on the rear panel. Before your model is shipped from the factory, this switch is set to the power requirements of the destination. Check that it is set properly before plugging the power cord into the household wall socket. If the voltage is not properly set or if you move to an area where the voltage requirements differ, adjust the selector switch as follows.

1. Use a medium-size screwdriver.
2. Insert a screwdriver in the groove of the voltage selector, and adjust so that the tip of the groove points to the voltage value of your area.

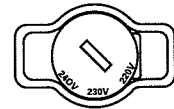
<Flat blade 2-pin AC plug model>



VOLTAGE SELECTOR

Set the selector so that arrow points to power voltage of your area (Figure shows arrow pointing to 110 volts.)

<Round 2-pin AC plug model>



VOLTAGE SELECTOR

(Figure shows arrow pointing to 230 volts.)

PIONEER
The Art of Entertainment

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.

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 optical instruments with this product will increase eye hazard.

- This player may be used with LaserDiscs, Compact Discs, and Compact Discs with Video bearing the following symbols:

(LASERDISC SYSTEM)/(LaserVision Disc)*



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.

(Compact Disc)



(**CD VIDEO SYSTEM)



(8 cm Compact Disc)



** A Digital Sound with Multi-Audio Discs (CD VIDEO LD) are referred to as CD Video discs. CD Video discs are recorded with subcodes, which are the non-audio recordings of TOC data such as track numbers, index numbers, etc. However, there are some discs without these marks.

Only one disc can be loaded at any one time. Loading a LaserDisc, a Compact Disc, a 8 cm Compact Disc or a Compact Disc with Video on top of one another may result in 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 or NTSC Compact Disc with Video only. PAL and SECAM system discs cannot be used with this 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 such 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 once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

CAUTION

This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.

Refer all servicing to qualified personnel.

The following caution label appear on your player.

Location: rear of the player

CLASS 1
LASER PRODUCT

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BEFORE OPERATING

CONFIRM SUPPLIED ACCESSORIES



Video cord × 2

CAUTIONS REGARDING HANDLING

LOCATION

Install the unit in a well-ventilated location where it will not be exposed to high temperature or humidity.

Do not install the unit in a location which is exposed to direct sunlight, or near hot appliances or radiators. Excessive heat can adversely affect the cabinet and internal components. Installation of the unit in a damp or dusty environment may result in malfunction or accident. (Also avoid installation near cookers etc., where the unit may be exposed to smoke from oil, steam or heat.)

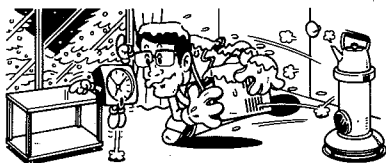


PRECAUTIONS REGARDING INSTALLATION

- Placing and using the unit for long periods on heat-generating sources such as amplifiers will affect performance. Avoid placing the unit on such heat-generating sources.
- Install the unit as far as possible from TV sets. The unit installed in close proximity to such equipment may cause noise or degradation of the picture. Such noise may be particularly noticeable when an indoor antenna is used. In such a case, make use of an outdoor antenna, or turn off power to the unit.

CONDENSATION

When the unit is brought into a warm room from previously cold conditions or when the room temperature is suddenly increased, condensation may form inside and the unit may not be able to attain its full performance. In cases like this, allow the unit to stand for about an hour or raise the room temperature gradually.



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

INSTALLING THE UNIT

- Place the unit on a stable platform next to the television and stereo system to be used with the unit.
- When using the unit with a stereo system, your speakers should be placed away from your television (or TV monitor).

- Do not place heavy objects such as a television or TV monitor on top of the unit.
- Do not place the unit on top of your TV set or TV monitor.

When FM or AM stations are being received, signal noise may be generated if the unit is turned on. Turn off the unit 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.

AVOID SOURCES OF HEAT

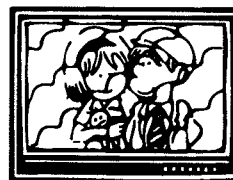
Do not put the unit on sources of heat. When installing with audio components on a rack, avoid components that generate heat, by placing the unit below such components where there is adequate ventilation and not much dust. Avoid placing the unit on surfaces such as shaggy carpets, beds, and sofas which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

CAUTIONS FOR AUTOMATIC LOADING OPERATIONS

Since this unit has an automatic loading construction, use the button on the unit or the remote control unit for opening and closing of the disc table. To avoid damage, be careful not to apply any force to the moving disc table.

STRIPE PATTERNS APPEARING ON A TV PROGRAM

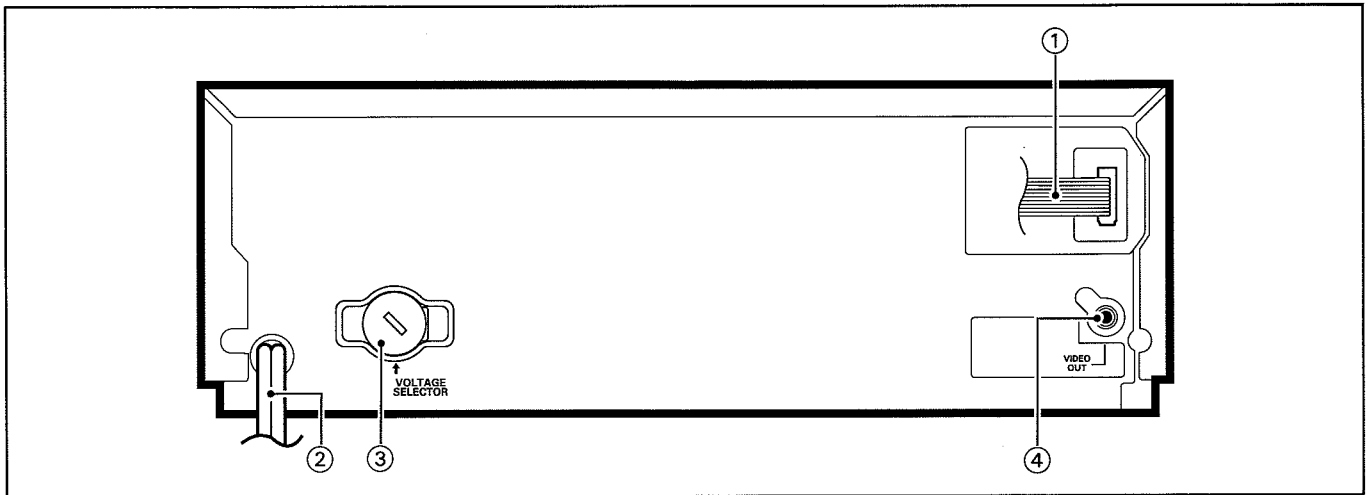
Stripe patterns may appear during a TV program if the unit is turned on, depending on the quality of reception of the TV station. This is neither a malfunction of the television nor the unit. If stripes appear while watching the TV, or when watching the TV for long periods of time, turn the unit off.



MAINTENANCE OF EXTERNAL SURFACES

- Use a polishing cloth or dry cloth to wipe off dust and dirt.
- When the surfaces are very dirty, wipe with a soft cloth dipped in some neutral cleanser diluted five or six times with water, and wrung out well, and then wipe again with a dry cloth. Do not use furniture wax or cleaners.
- Never use thinners, benzene, insecticide sprays and other chemicals on or near this unit, since these will corrode the surfaces.

REAR PANEL FACILITIES



① **System cable**

Connect to the tuner control amplifier's CLD jack (blue).

② **Power cord**

Connect to the tuner control amplifier's AC OUTLET.

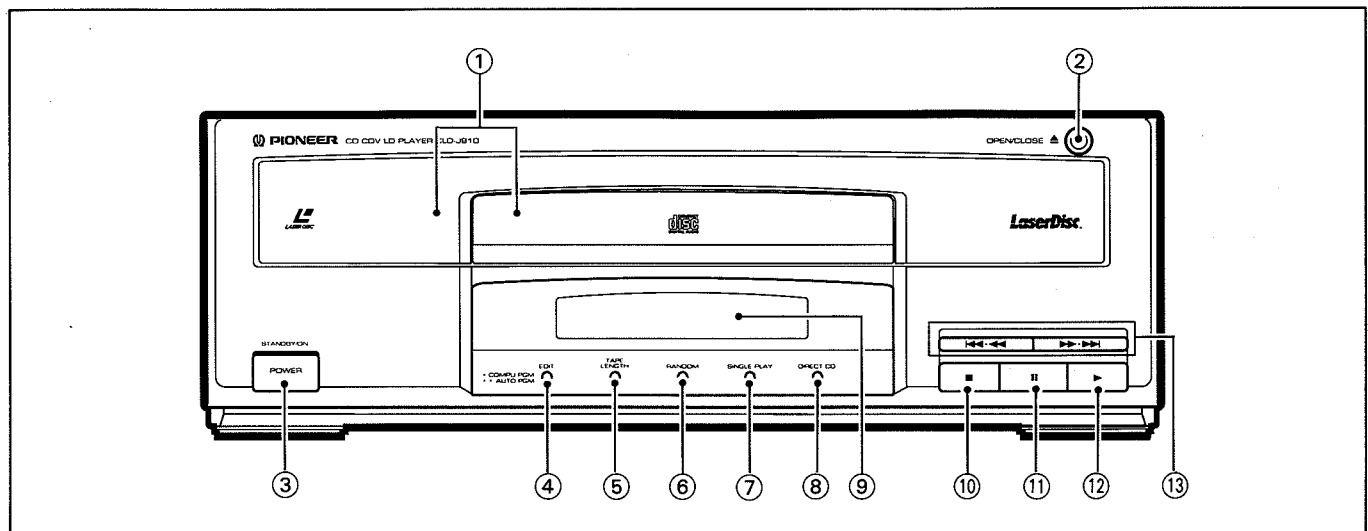
③ **Voltage selector**

• Set to the power voltage used in your geographical region.

④ **VIDEO OUT jack**

Connect to the CLD VIDEO input jack of the tuner control amplifier.

FRONT PANEL FACILITIES



① **Disc tables**

② **OPEN/CLOSE button (▲)**

③ **POWER STANDBY/ON switch**

④ **EDIT button (•COMPU PGM, ••AUTO PGM)**

⑤ **TAPE LENGTH button**

⑥ **RANDOM button**

⑦ **SINGLE PLAY button**

⑧ **DIRECT CD button**

⑨ **Display**

⑩ **Stop button (■)**

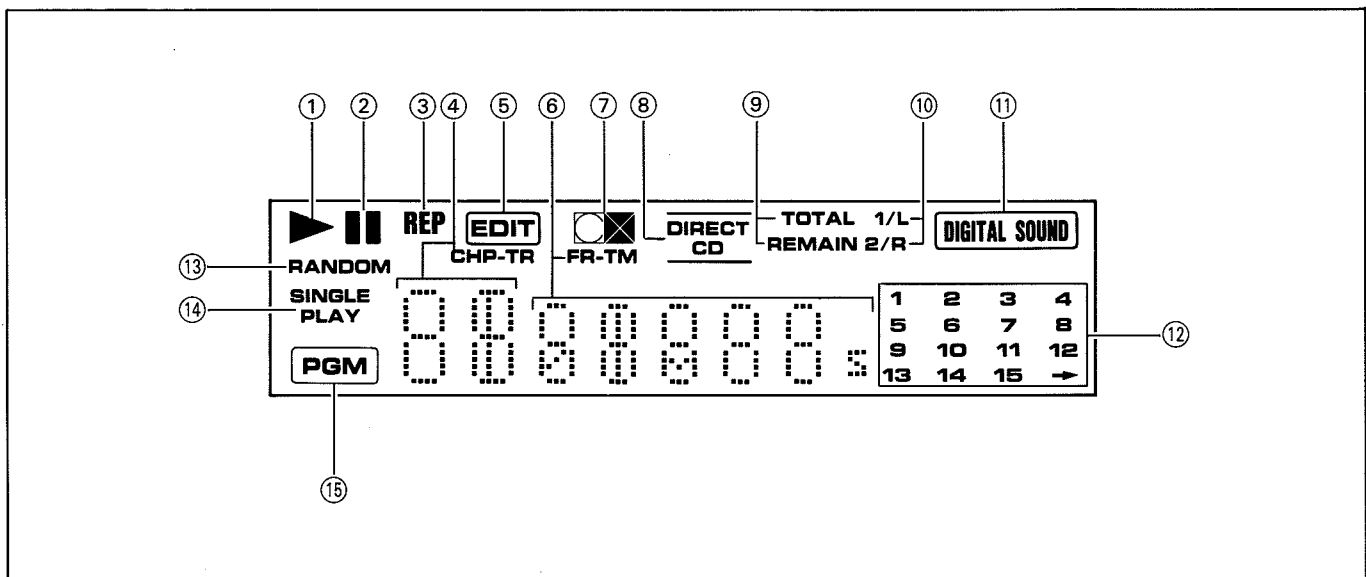
⑪ **Pause button (■)**

⑫ **Play button (▶)**

⑬ **Manual/Track search buttons (◀◀◀◀, ▶▶▶▶)**

FRONT PANEL FACILITIES

DISPLAY SECTION

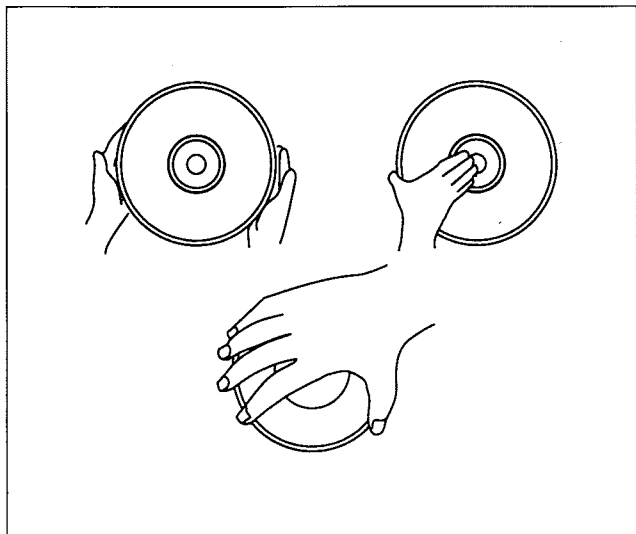


- ① **Play indicator (▶)**
Lights during play. Blinks during search.
- ② **Pause indicator (||)**
Lights when the player is in pause mode.
- ③ **REP indicator**
Lights during repeat play.
- ④ **Chapter/track indicator (CHP-TR)**
Indicates the chapter number or track number.
- ⑤ **EDIT indicator**
Lights when editing is performed.
- ⑥ **Frame/time indicator (FR-TM)**
Indicates the frame number or the elapsed time.
- ⑦ **CX indicator**
Lights when CX is ON.
- ⑧ **DIRECT CD indicator**
Lights when DIRECT CD is ON.
- ⑨ **REMAIN/TOTAL indicator**
Indicates the REMAIN TIME (remaining play time) or TOTAL TIME (total play time).
- ⑩ **1/L, 2/R indicator**
Indicates the audio output channel.
- ⑪ **DIGITAL SOUND indicator**
Lights when the disc being played has a digital sound signal. With LD discs, this indicator lights when the digital sound signal is selected.
- ⑫ **CD/CDV/LD visual calendar**
When a disc is loaded, all of the chapter/track numbers recorded on the disc light up on the display. If the disc contains more than 15 chapters/tracks, the → indicator lights. During program play, only the programmed chapter/track numbers light. When a disc without a TOC section is played, only the selection number being played lights. When a CDV disc is loaded, the track numbers of the video part light followed by the track numbers of the audio part. After a chapter/track is finished playing, the corresponding number goes out.
- ⑬ **RANDOM indicator**
Lights during random play.
- ⑭ **SINGLE PLAY indicator**
Lights during single play.
- ⑮ **PGM indicator**
Lights during program play.

CARE OF DISCS

How to hold discs

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



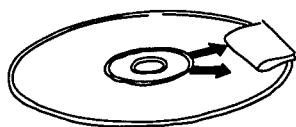
Cleaning

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

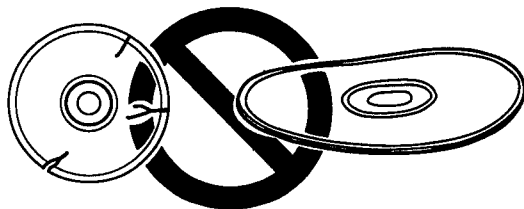


Gently wipe from the inside toward the outer edge.

Discs may 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.

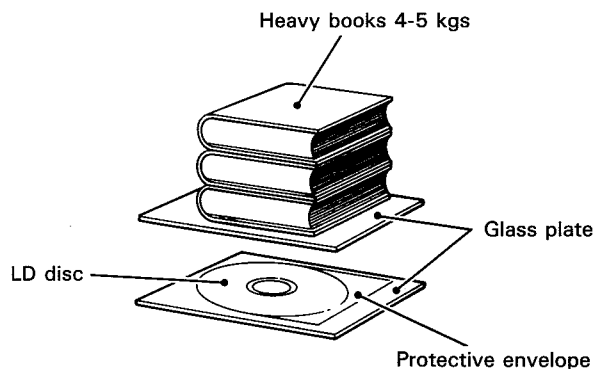
NOTE:

- 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.

If an LD disc is warped...

If an LD disc is warped, put the disc into its protective envelope, and then place it between two flat plates of glass.

Then place heavy books on top of the plates so that approximately 4 to 5 kgs is applied. Leave the disc like this for a day or so. This may correct the warp.



CAUTION WHEN USING THE DISC

All rights reserved.






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



- **Never move the player when it is operating.**
During player operation, the disc moves at very high speed; never attempt to lift or move the player while it is operating, since it may cause damage to the disc.
- **When moving the player:**
When moving the player or repacking it for storage or shipping, be sure to remove any discs loaded, and push the disc table back into the player. Then turn off the power switch and confirm that the OFF display has stopped flashing before disconnecting the power cord.


TYPES OF DISCS THAT CAN BE PLAYED WITH THIS UNIT

This unit is a CD VIDEO SYSTEM (*1) compatible player which can play CDs, CDV discs, and LDs.
The five disc types listed in the table below can be played with this unit.

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

Mark	Disc	Size	Number of recorded sides	Audio recording system	Video recording system	Other
	CD (Compact Disc) Single	8 cm	One side	Digital (20 minutes max.)		TOC (*2)
	CD (Compact Disc)	12 cm	One side	Digital (74 minutes max.)		TOC
 	CDV (CD with Video) Video Single	12 cm	One side	Digital (5 minutes max.)	CLV (*3) (5 minutes max.)	TOC
	CDV (CD with Video)	12 cm	One side	Digital (20 minutes max./5 minutes max.)	CLV (*3) (5 minutes max.)	TOC *
	CD VIDEO LD (*4)	30 cm, 20 cm	Two sides, one side	Digital/analog	CAV (*5), CLV	TOC **
	LD (LASERDISC/ LaserVision Disc)	30 cm, 20 cm	Two sides, one side	Digital/analog (*6) or analog only	CAV, CLV	

* There are some discs marked with the  mark instead of the  mark.

** There are some discs without the  mark.

LD GLOSSARY

Chapter number

Chapter numbers are used to indicate the boundaries of the sections on a disc, similar to the "chapters" in a book. If chapter numbers are recorded on a disc, it is so indicated on the jacket of the disc, etc. Chapter numbers can be used to search for desired chapters (Chapter Search).

Frame number

Frame numbers are the numbers assigned to each picture frame on a CAV (standard play) disc. Frame numbers can be used to search for desired frames (Frame Search).

Time number

Time numbers indicate the time elapsed from the beginning of a CLV (extended play) disc. Time numbers can be used to search for desired scenes (Time Search).

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. Track numbers can be used to search for desired tracks (Track Search).

TOC (*2)

Every CD/CDV-type disc is provided with a section called TOC (Table Of Contents) at the beginning of the disc. The TOC 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 also provided with a TOC section.

TYPES OF DISCS THAT CAN BE PLAYED WITH THIS UNIT

CD VIDEO SYSTEM (*1)

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:



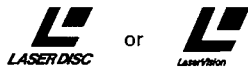
- CDV (CD VIDEO CDV) discs
- LaserVision Discs (CD VIDEO LDs) containing digital sound with sub-codes
- Compatible players which can play CDs and CDV discs
- Compatible players which can play CDs, CDV discs, and LDs

CD VIDEO LDs (*4)

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 (LASERVISION DISCS)

With this unit, only play LaserVision discs which bear the following mark.



This mark is the standard mark for LaserVision video discs. Players and discs which bear the LaserVision mark are mutually compatible as long as they conform to the same television system. Two types of standard LaserVision disc are available — standard play (CAV) (*5) discs and extended play (CLV) (*3) discs — which differ with respect to their signal recording systems.

CAV (*5) DISCS

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

Frames are recorded on these discs at a ratio of one frame per disc revolution, and the discs are played at a fixed rotational speed (CAV = Constant Angular Velocity) of 1,800 rpm. This system is well suited to special playback modes such as still frame playback and multi-speed playback. One side of a CAV disc can have a playback time of up to 30 minutes (for a 30 cm disc), which is equivalent to 54,000 frames. Each frame—from frame 1 to frame 54,000—is encoded with its own frame number.

* Playback time varies according to the contents of the disc.

NOTE:

This unit cannot perform multi-speed playback even with Standard Play Discs.

CLV (*3) DISCS

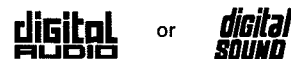
The jackets and labels of these discs are marked with a "Extended Play Disc CLV" or "Extended Play" indication.

Signals are recorded on these discs at a constant linear velocity (CLV), and the rotational speed during playback varies from 1,800 rpm for the innermost track to 600 rpm for the outermost track. As a result, one side of a CLV disc can have a playback time of up to 60 minutes (for a 30 cm disc), which is twice as long as a standard play (CAV) disc. CLV discs are encoded with time numbers which correspond to the elapsed play time from the beginning of the disc.

* Playback time varies according to the contents of the disc.

LASERVISION DISCS WITH DIGITAL AUDIO (*6)

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



These are LaserVision discs which contain digital audio signals in addition to conventional analog audio signals. This feature allows the high image quality of LaserVision discs to be enjoyed together with the superior quality of digital sound. The digital and analog audio signals are recorded on the disc using different frequency bands.

LASERVISION MULTI AUDIO DISCS WITH DIGITAL AUDIO

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

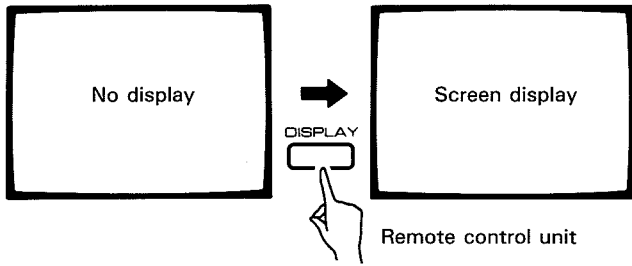


These are LaserVision discs in which the recorded digital and analog audio signals differ in content. This allows the user to enjoy two different audio soundtracks by switching between the digital and analog sound.

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").

DISPLAY SWITCHING

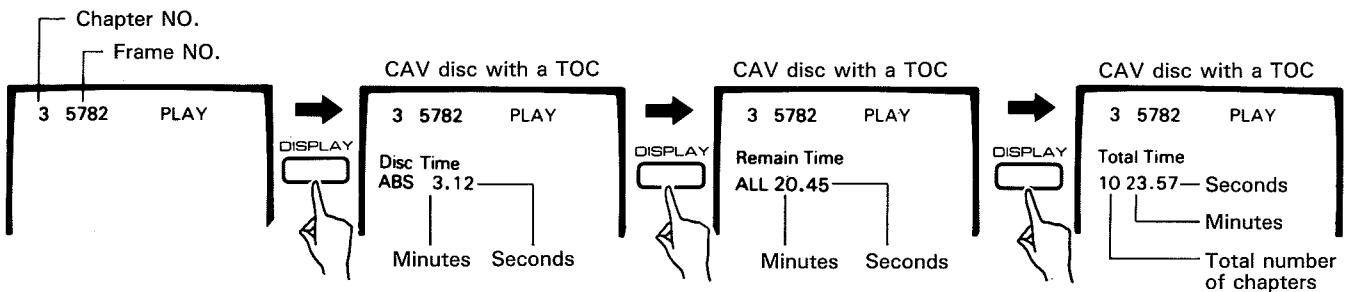
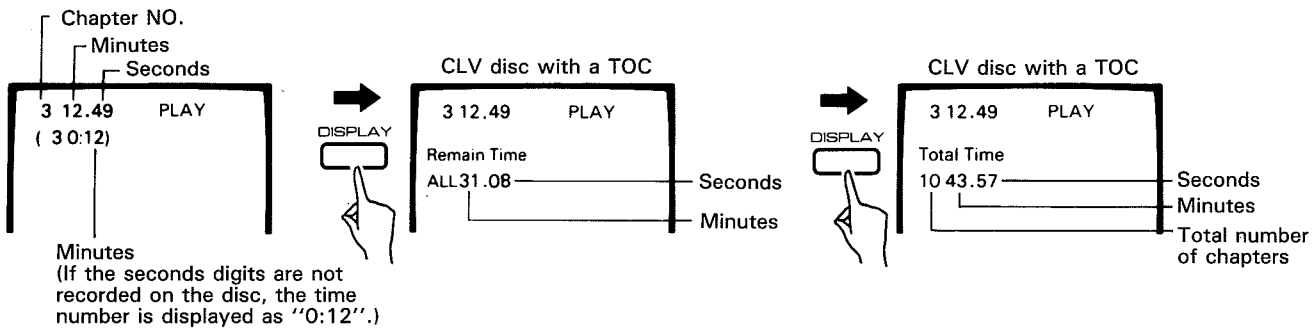
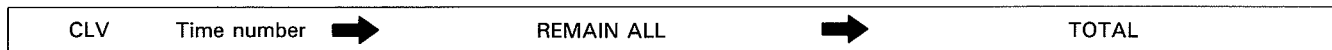


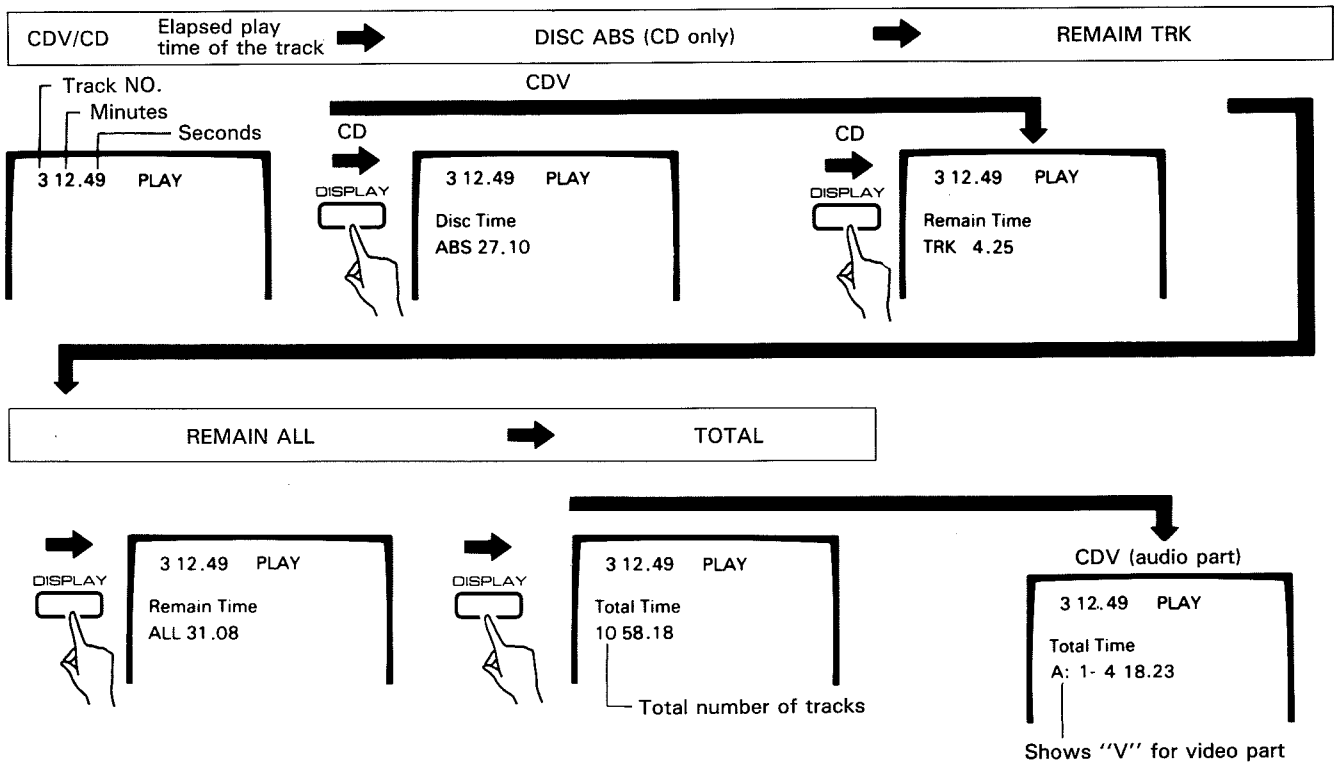
Information regarding the operations being carried out can be displayed on the screen of the monitor TV. When the DISPLAY button on the remote control unit is pressed the first time, the screen is displayed.

With LD discs containing a TOC...

Each time the DISPLAY button is pressed, the display changes in the following order: time/frame number (elapsed play time/frame from the beginning of the disc) → REMAIN ALL (remaining play time of the disc) → TOTAL (total play time of the disc) → display off.

- With CAV discs, the DISC ABS (elapsed play time from the beginning of the disc) is displayed after the frame number.

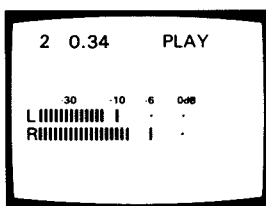




Other displays

Lights-Flashes	Function	Lights-Flashes	Function
OPEN	Opening of the table	Random	Random play
CLOSE	Closing of the table	Pgm. Rnd	Program random play
STOP	Stop mode	Editing	Edit mode
PLAY	Play mode	Auto	Auto program edit
PAUSE	Pause mode	Compu	Compu program edit
STILL	Frozen picture	Peak	Peak search (during A.S.E.S. only)
CLV	CLV play	Single	Single track stop
Video	Video part search	Digital	Digital signal setting
Audio	Audio part search	Analog	Analog signal setting
Repeat Memory	Memory repeat	Stereo	Stereo
Repeat A-B	A-B repeat	1/Lch	Main audio/Left channel
Repeat Side -A (B)	One side repeat	2/Rch	Sub audio/Right channel
Repeat Chapter (track)	Chapter/track repeat	CX ON	CX noise reduction system ON
Repeat Random	Random repeat play	CX OFF	CX noise reduction system OFF
Repeat Program	Program repeat	Normal ASES	Normal A.S.E.S.
Program	Program mode	Fine ASES	Fine A.S.E.S.
Step-	Chapter/Track program step		

- During playback of the audio part of a CD or CDV, the visual calendar is displayed on the blue screen.
- During the direct CD mode, no screen display appears.



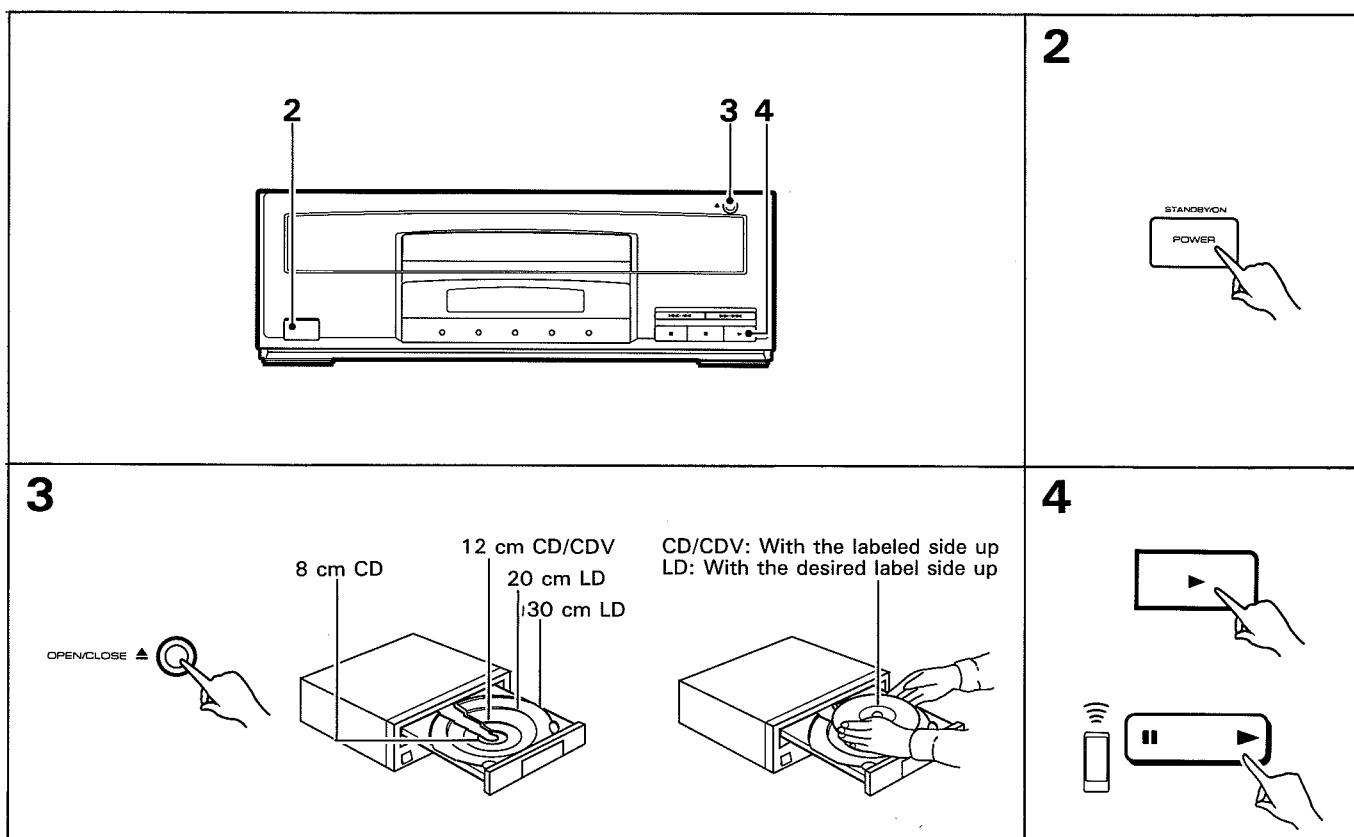
Audio output level meter display

During elapsed play time of the track mode of CD playback or CDV (audio part) playback, the audio output level meter will be displayed on the monitor screen.

NOTE:

- In some cases, the displayed output level may differ from the actual output level, but this is not a malfunction.
- When the Direct CD function (→ p. 19) is activated, the player does not display information on the monitor screen.

TO PLAY AN LD, CDV OR CD



- When operating the player by means of the remote control unit supplied with the power amplifier, first select "CLD" as the remote control unit's CONTROL MODE.

1. Turn on the power to the monitor TV.
2. Turn on the power for the amplifier and CD CDV LD player.
3. Press the OPEN/CLOSE button (▲) to open the disc table and load a disc.

As shown in the following diagram, place the disc on the disc table in the groove corresponding to the size of the disc. If the disc is not centered correctly on the disc table, the disc will not be played or the disc or the player may be damaged. Always place the disc correctly according to the required disc size on the disc table.

4. Press the play button (▶) to start playback.

- With CDV discs, the video part is played first.

■ To PAUSE playback temporarily

Press the pause button (⏸).

The sound and/or video image disappears. Press the pause button (⏸) again to resume playback from the position where pause mode was entered.

■ To stop playback

Press the stop button (■).

When the play button (▶) is next pressed, disc playback starts again from the beginning.

■ To take out the disc

Press the OPEN/CLOSE button (▲).

After removing the disc from the disc table, press the OPEN/CLOSE button (▲) or the play button (▶).

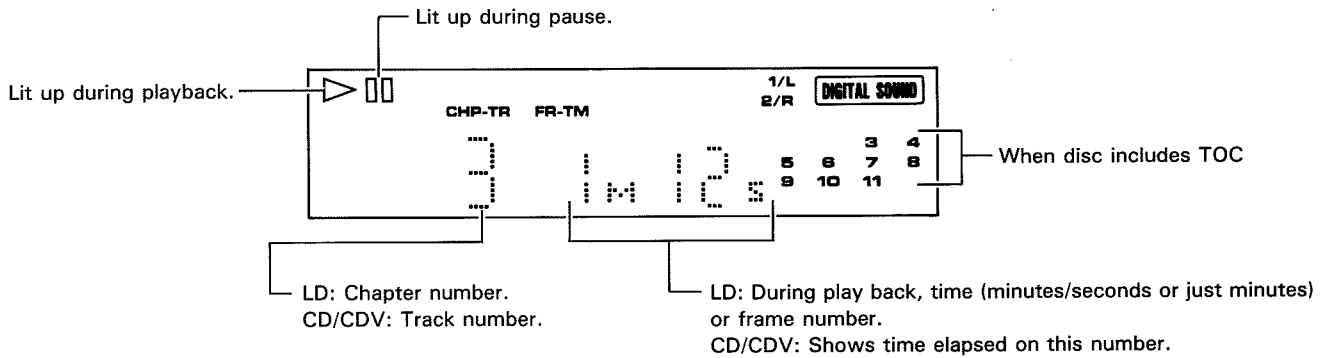
To avoid malfunctions, be especially careful about the following points:

- 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.

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 malfunction may occur.
- With this unit, playback of all types of discs is carried out without the use of adapters. Therefore, do not use any type of adapter with this unit.
- With CDs, CDV discs, and single-sided LDs, always be sure to load discs with the label side facing upward.

The display during playback






TO LISTEN TO ONLY ONE CHANNEL OF A STEREO DISC/TO SELECT THE AUDIO ON A SOUND MULTIPLEX DISC




- When operating the player by means of the remote control unit supplied with the power amplifier, first select "CLD" as the remote control unit's CONTROL MODE.


During playback press the MPX button on the remote control unit.



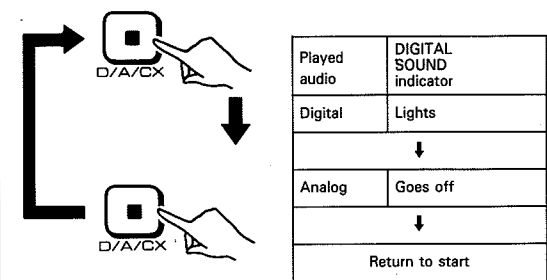
Played audio		Display on display window
Stereo disc	Sound multiplex disc	
Stereo	Audio 1/L (Left) Audio 2/R (Right)	1/L 2/R
		↓
Left	Audio 1/L (Left)	1/L
		↓
Right	Audio 2/R (Right)	2/R
		↓
Return to start		

Discs marked with the  mark:

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

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

To listen to the analog audio of an LD digital audio disc:
During playback



TO PLAY AN LD, CDV OR CD

Examples of the various types of audio recorded on Multi Audio discs:

Disc \ Audio	Analog audio	Digital audio
Movies, animations, etc.	Audio of the main program	Soundtrack
Dual music	Music 1	Music 2
Various types of digital audio karaoke	1/L Karaoke (monaural) 2/R Assisting vocals	Stereo karaoke
Stereo bilingual	Native language	Foreign language 1

Disc \ Audio	Analog audio	Digital audio
Trilingual	Native language	1/L Foreign language 1 2/R Foreign language 2
Quadrilingual	1/L Native language 2/R Foreign language 1	1/L Foreign language 2 2/R Foreign language 3

LD/CDV/CD

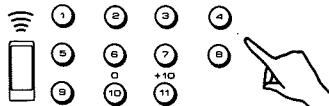
CONVENIENT FUNCTION FOR KARAOKE PLAY — Single Play

- When operating the player by means of the remote control unit supplied with the power amplifier, first select "CLD" as the remote control unit's CONTROL MODE.
- With this function, playback pauses after the specified track is played (One-Song Pause function).

1. Press the SINGLE PLAY button.



2. Select a track with the number buttons on the remote control unit.



- After one track is played, you can play another track by specifying the track number with the number buttons.
- With multi audio discs, the original vocals or musical accompaniment can be selected for karaoke play by using the D/A/CX button on the remote control unit. See page 13.

NOTE:

When the play button (▶) is used to start play, One-Song Pause function cannot be carried out. Be sure to use the number buttons when specifying the track number.

LD/CDV/CD

TO SEARCH FOR A PARTICULAR CHAPTER/TRACK

Chapter (Track) Search/Chapter (Track) Skip/Manual Search

The term "chapter" refers to each section on an LD, and the term "track" refers to each section on a CD or CDV disc. If chapter or track numbers are encoded on a disc, it is so indicated on the disc jacket.

- When operating the player by means of the remote control unit supplied with the power amplifier, first select "CLD" as the remote control unit's CONTROL MODE.

- Chapter Search is not possible with discs which are not divided into chapters.
- If chapter (track) number beyond the last chapter (track) number on the disc is specified, Chapter (Track) search cannot be carried out.

CHAPTER (TRACK) SEARCH — To search by designating the chapter/track number

Example:

To play from the beginning of Chapter/Track 3:

< Direct Search >

Enter 3 with the number button.

< Normal Search >

When the display shows Frame No. or Time No. press this button again.

Enter 3 with the number button.

To search for chapter or track number 10 or above:

Use $\overset{+10}{\text{10}}$ and $\overset{0}{\text{10}}$ buttons.

(Example)

< Direct Search >

To enter 17: $\overset{+10}{\text{10}}$, $\overset{0}{\text{7}}$

To enter 30: $\overset{+10}{\text{11}}$, $\overset{+10}{\text{11}}$, $\overset{+10}{\text{11}}$, $\overset{0}{\text{9}}$

< Normal Search >

To enter 17: $\overset{\text{SCAN}}{\text{CHP/TM}}$, $\overset{0}{\text{1}}$, $\overset{0}{\text{7}}$, ▶

To enter 30: $\overset{\text{SCAN}}{\text{CHP/TM}}$, $\overset{0}{\text{3}}$, $\overset{0}{\text{10}}$, ▶

If you make a mistake in pressing the number buttons:

Press CLEAR , and then press the correct number button.

TO SEARCH FOR A PARTICULAR CHAPTER/TRACK

To identify the present chapter number and frame (or time) number:
The numbers are displayed in the front panel display window.
The information can also be displayed on the monitor TV screen by pressing the DISPLAY button on the remote control unit.

CAV discs (for Normal Search):
When Chapter Search is started by pressing the play button (▶) on the remote control unit, the beginning of the designated chapter is played with still frame. With CLV discs, normal playback starts. When the front panel play button (▶) is used, the player returns to its status before the search began.

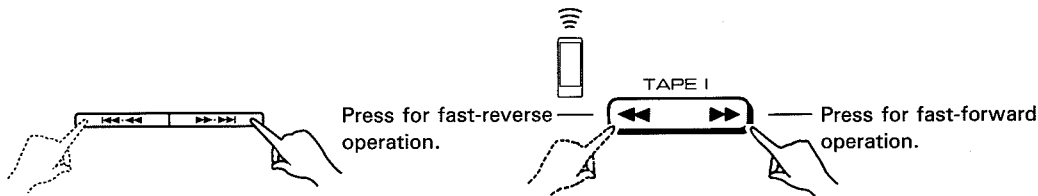
CHAPTER (TRACK) SKIP — To search for the beginning of a chapter/track



Press once to return the playback position to the beginning of the chapter/track being played. If the button is pressed more than once before the picture reappears, the beginning of a chapter/track located before the chapter/track being played is searched for and played. The position of the located track corresponds to the number of times the button is pressed.

If this button is pressed once or a number of times, playback is advanced to the beginning of a chapter/track located after the chapter/track being played. The position of the located track corresponds to the number of times the button is pressed.

MANUAL SEARCH — Search using fast forward or fast reverse



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

Clear Scan mode: The image may not be fluctuated in this mode.
Low Scan mode: Scan speed becomes approx. x10 the normal playback speed.

High Scan mode: Scan speed becomes approx. x30 the normal playback speed.

- With CDs or audio part of CDVs, Clear Scan mode cannot be carried out.
- 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 low volume level.
- With CDs or audio part of CDVs, sound is heard at low volume level while scanning.
- Others: Sound is muted.

Notes on CAV:

While scanning, noise may occur on the screen. This is not a malfunction.

Notes on CLV:


- *While scanning, the color of the image may fade out or the image sometimes fluctuates.*
- *The scan speed is different between inner tracks and outer tracks.*

TO SEARCH FOR A PARTICULAR TIME/FRAME

Time Number Search/Track time Search/ABS Time Search/Frame Number Search

- When operating the player by means of the remote control unit supplied with the power amplifier, first select "CLD" as the remote control unit's CONTROL MODE.

TIME NUMBER SEARCH — Example: To search for the scene located at time number 12 min. 34 sec (CLV)

- Press the SCAN•CHP/TIME button.
When the display shows chapter No., press this button again.
- Enter 0, 1, 2 and 3 with the number buttons on the remote control unit.
If you make a mistake during entry:
Press  to reset the time number to "0.00", and press the correct number buttons again.
- Press the play button (▶).

CAUTION

If a disc does not contain information on the digits of seconds, specify the time number only as far as the minute digits.

TRACK TIME SEARCH — To search for a time on a specified track (CD/CDV)

- Press the SCAN•CHP/TIME button.
- Press the ◀◀ or ▶▶ button so that the desired track number appears in the front panel display window.
- Enter the track time (elapsed time from the beginning of the specified track) with the number buttons (0-9) on the remote control unit.
- Press the play button (▶).

ABS TIME SEARCH (CD only) — To search for a point by designating the elapsed time from the beginning of the disc



- Press the SCAN•CHP/TIME button so that "Ab" appears in the front panel display window. (On the monitor screen, "ABS" appears.)
- Enter the elapsed time from the beginning of the disc with the number buttons (0-9) on the remote control unit.
- Press the play button (▶).
Playback starts from the specified elapsed time.

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.

- Press the SCAN•CHP/TIME button. When the display shows chapter NO., press this button again. "Frame 0" is displayed.
- Enter the required frame number with the number buttons (0-9) on the remote control unit.
- Press the play button (▶).
The designated frame is played as a still frame. To start normal playback, press the play button (▶).

NOTE:

-  does not function.
- If you make a mistake during entry, press  and press the correct digit buttons.
- If time/frame number beyond the last time/frame number on the disc is specified, Time/Frame Number Search cannot be carried out.

To exit search mode:

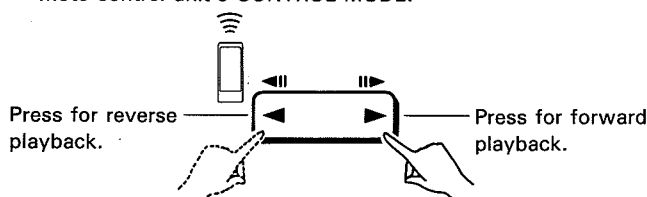
Press .

LD(CAV)

EXTRA PLAYBACK —CAV discs only

STILL FRAME AND FRAME-BY-FRAME ADVANCE FUNCTION

- When operating the player by means of the remote control unit supplied with the power amplifier, first select "CLD" as the remote control unit's CONTROL MODE.



During playback, if remote control unit's ◀◀ or ▶▶ button is pressed, the picture will be frozen. At this point, the disc can be played one frame at a time in either the forward or reverse direction by pressing one of these buttons. The sound is muted during still frame or frame advance operation.

To return to normal playback operation, press the play button (▶).

No sound?

During still frame or frame advance operation, sound is not heard.

NOTE:

With CLV discs, still frame or frame advance operation is not possible. If the ◀◀, ▶▶ button is pressed during playback of a CLV disc, the warning message "CLV" will be displayed for approx. 2 seconds on the screen.

TO REPEATEDLY PLAY A DESIRED PASSAGE — Repeat Playback

- When operating the player by means of the remote control unit supplied with the power amplifier, first select "CLD" as the remote control unit's CONTROL MODE.

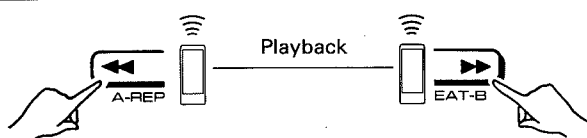
MEMORY REPEAT — To specify a point to return to later



Press the REPEAT A button 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 the play button (▶) on the remote control unit.

A-B REPEAT — To repeat a specified section



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

Press the REPEAT B button 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 the REPEAT B button 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.

ONE SIDE REPEAT — To repeat an entire side of a disc



Press the REPEAT B button 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.

PROGRAM REPEAT — To repeat a program

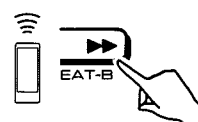


Press the REPEAT B button while the program is being played.

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

- See page 18 for details on programming.

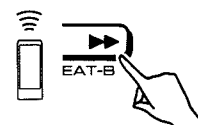
RANDOM REPEAT — To repeat a random play (for CDs, CDV discs and LD with TOC)



Press the REPEAT B button during random playback.

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


PROGRAM RANDOM REPEAT — To repeat a program random play



Press REPEAT B button during program random playback.

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

To exit repeat mode:

Press the  button on the remote control unit. Repeat mode is canceled and normal playback continues from the current point.

To specify a different point in Memory Repeat mode:

Press the REPEAT A button at the new point. 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:

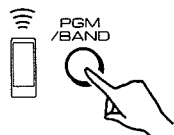
Chapter repeat cannot be carried out. With these LDs, the REPEAT B button is pressed once, one-side repeat will be carried out.

TO PLAY ONLY THE DESIRED SCENES/TRACKS —Program Playback

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

- When operating the player by means of the remote control unit supplied with the power amplifier, first select "CLD" as the remote control unit's CONTROL MODE.
- You can view the state of programming on the monitor TV screen.

1. Press the PGM/BAND button.



Display with a disc containing a TOC

Total Time	Program
0 0.00	Step-1
▶	---
---	---
---	---
---	---
---	---

2. Select the desired chapters or tracks.

With LDs, CDs and CDV discs, just enter the number of the desired chapter or track with the number buttons.

Example: To program CD tracks 9, 7, and 12 in that order:



If you make a mistake during entry:

Press and enter the correct number with the number buttons.

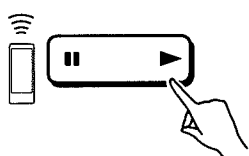
Screen display after programming is completed.

Total Time	Program
3 8.30	Step-4
09 07 12▶	---
---	---
---	---
---	---

Program chapters or tracks

3. Press the play button (▶).

The chapters/tracks are played in the programmed order. When all programmed chapters/tracks have been played, the player enters stop mode.



Search	Program
Track 9	

To stop program play in the middle:

- Press the OPEN/CLOSE button (▲).
- Press .

To clear the program contents:

- Open the disc table.
- Press in stop mode.

Programming a pause:

When recording on a cassette tape, a programmed pause allows you to change the tape side or to record a blank section on the tape which is useful for music search functions, etc.

When a program is in pause mode, pressing the pause button (■) resumes disc playback, so restart recording before pressing the pause button (■).

To program a pause:

In step 2 of the above procedure, press the pause button (■) instead of entering a chapter or track number.

NOTE:

- A pause cannot be programmed for step 1, and it cannot be programmed for two consecutive steps.
- A pause can be programmed for the last program step, however, it will not be effective.

Programmed pause indication:

On the monitor screen—■

In the front panel display window—PA

TO MODIFY THE PROGRAM CONTENTS

To erase a programmed chapter/track or pause

1. Press the PGM/BAND button.
2. Press the ◀◀, ▶▶ button to place the cursor (▶) on the left side of the chapter/track or pause to be erased.
3. Press the CLEAR button.
4. Press the PGM/BAND button to complete programming. Pressing the play button (▶) also completes programming and starts program playback with the new program contents.

To change a programmed chapter/track or pause to a new one

1. Press the PGM/BAND button.
2. Press the ◀◀, ▶▶ button to place the cursor (▶) on the left side of the chapter/track or pause to be changed.
3. Enter the new chapter/track number with the digit buttons. Press the pause button (■) to enter a pause.
4. Press the PGM/BAND button to complete programming. Pressing the play button (▶) 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 go to the previous or next chapter (track) in a program:

Press the ◀◀, ▶▶ button.

Total time display (CD and CDV only):

When programming for CD or CDV, the total time of the programmed tracks is displayed. If the total time exceeds 100 minutes, 100's digit will not be displayed in the display window of the front panel.

- If track No. 33 or more is programmed, the total time will not be displayed.

To view the program contents:

Program contents can be viewed in the front panel display window.

- Programmed chapter/track numbers light up on the visual calender.
- Program contents are sequentially displayed by pressing the ◀◀, ▶▶ button.

PARTICULAR FUNCTIONS FOR CD —Direct CD

DIRECT CD

Since the picture circuit is deactivated and the interference between signals is eliminated with the Direct CD function, more pure sound can be reproduced.

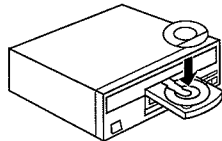
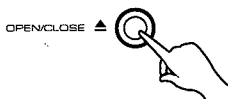
- When operating the player by means of the remote control unit supplied with the power amplifier, first select "CLD" as the remote control unit's CONTROL MODE.
- When the Direct CD function is activated, the player does not display information.
- In Direct CD mode, time for starting play becomes short compared with that of normal play operation.

1. Press the DIRECT CD button.

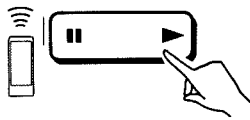


2. Press the OPEN/CLOSE button (▲) to open the disc table.

- The disc table comes out according to the CD size.



3. Press the play button (▶) to start playback.



To exit Direct CD mode:

Press the DIRECT CD button again. Also, when the video part of CDV is played, Direct CD mode is canceled automatically.

To play an LD:

Cancel the Direct CD mode. Otherwise, the LD cannot be set on the disc table.

NOTE:

- During LD play, the player does not enter Direct CD mode even if the DIRECT CD button is pressed.
During CDV play, the player automatically turns on and off the picture circuit according to the video part or audio part in the Direct CD mode.
- You can select the Direct CD mode even when the LD disc table is left opened. To enter the Direct CD mode, press the DIRECT CD button. The DIRECT CD indicator is blinking while the LD disc table is closing.
After the LD disc table is completely closed, press the OPEN/CLOSE button (▲) to open the CD disc table. If the OPEN/CLOSE button (▲) is pressed during the LD disc table's closing, the Direct CD mode is canceled and the LD disc table comes out.

On screen display:

The information is displayed on the blue screen by pressing the DISPLAY button on the remote control unit. Also, when programming or editing, the information is displayed.

By turning off the screen display or canceling the input mode, the player automatically turns off the picture circuit, and the screen turns to black.

LD with TOC/CD/CDV

TO PLAY ALL CHAPTERS/TRACKS IN A RANDOM ORDER

—Random Playback

Random Playback allows all chapters/tracks of one side of a disc in random order.

- When operating the player by means of the remote control unit supplied with the power amplifier, first select "CLD" as the remote control unit's CONTROL MODE.

Press the RANDOM button.

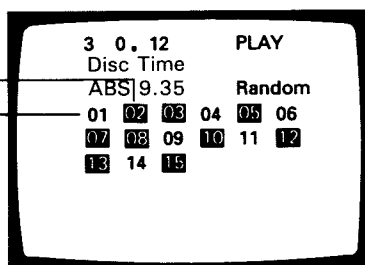
RANDOM



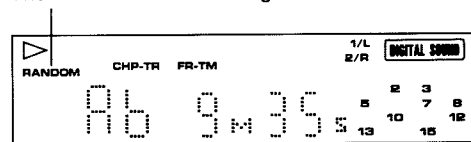
Display during Random Play (CD)
To display the music calendar, press the DISPLAY button on the remote control unit so that the display shows time display.



Track to be played (reverse display)
Track has been played (normal display)



The RANDOM indicator lights.



NOTE:

With Random Playback, chapter No. 0 will not be played.

To go to the next chapter/track during Random Playback:

Press the ►► button.

(The previous chapter/track cannot be played by pressing the ◀◀ button).

To stop Random Playback:

Press the CLEAR button on the remote control unit.

After the CLEAR button is pressed, playback will continue in the order in which the chapters/tracks are recorded on the disc.

To enter stop mode:

Press the stop button (■).

Random Playback with CDV discs:

Tracks in the video and audio part are played in a random order.

Program Random Playback:

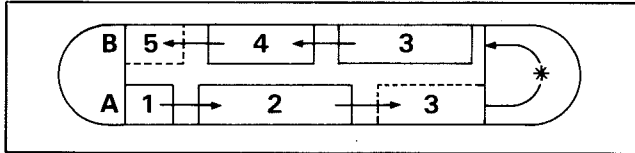
To play the programmed chapters/tracks in random order, press the RANDOM button during program playback.

A.S.E.S. (Auto Synchro Editing System)

For automatic recording of a CD to a cassette tape.
A 10-second blank is recorded at the beginning of a tape.

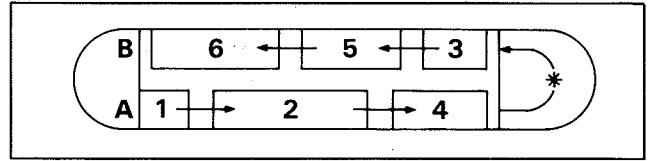
- A, B:** Indicates the side of the tape.
1–6: Indicates the number of the track.
***** : Indicates the leader part of the tape.

NORMAL EDIT



This records CD tracks in the order they appear on the disc. If the tape ends while a track is being recorded, that track will be re-recorded on the B side of the tape.

FINE EDIT



Use the EDIT button.

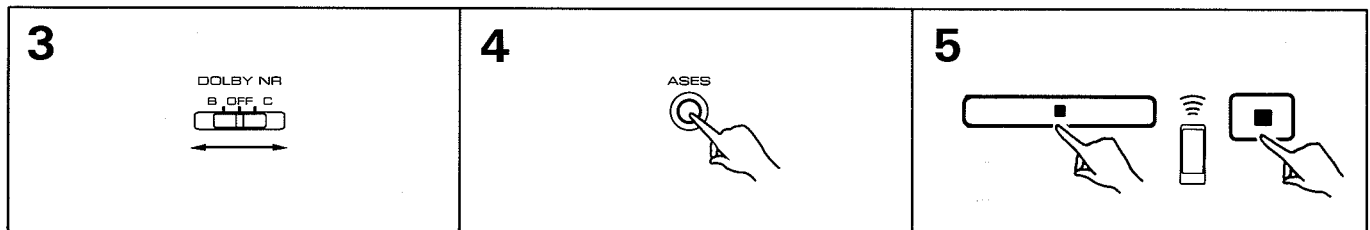
- **COMPU PGM:** The recording order of the selected tracks will be rearranged in order to allow the largest possible number of tracks to be recorded within the specified time.
- **AUTO PGM:** The recording is programmed in accordance with the tape length so that the recording will not end in the middle of a track. Any track that would be only partially recorded at the end of side A is carried over and recorded on side B.

Recording will start in the forward direction (▶). When the end of this side is reached, tape direction will change and recording will continue in the reverse direction (◀).

In the A.S.E.S. mode, tracks are recorded with a blank portion of approximately 5 seconds between tracks.

- If the CD CDV LD player section is operating in a programmed mode, then A.S.E.S. proceeds with the programmed track order (NORMAL EDIT).

USING THE NORMAL EDIT



1. Set a compact disc in the CD CDV LD player.
2. Load a tape for recording into the cassette deck's DECK II.
Since recording always starts from the forward direction (▶), be sure that the tape is loaded properly.
3. Set the cassette deck's DOLBY NR switch to the desired position.
4. Press the cassette deck's ASES button.
5. To stop A.S.E.S. operation, press the stop button (■) of DECK II.

■ LINK A.S.E.S. (NORMAL EDIT only)

If extra tape remains after you have completed your edit recording session, the CD can be changed and A.S.E.S. recording continued.

After 1–4 is performed, the A.S.E.S. will be temporarily terminated.

- 5'. Press the cassette deck's recording button (●).

DECK II will enter the recording standby mode.

The play indicator will flash. Recording will begin in the direction indicated by the flashing.

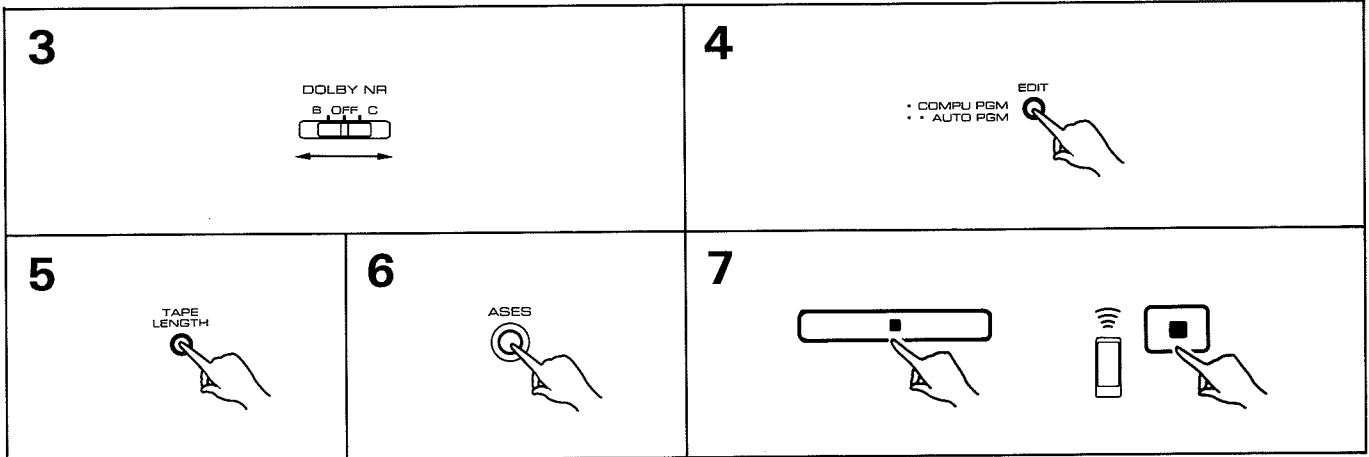
6. Load another CD.

7. Press the ASES button to begin linked A.S.E.S. recording.

NOTE:

During A.S.E.S. operation, a 10 second unrecorded section is usually created at the beginning of the tape. However, if you press the ASES button when in the recording standby mode, no unrecorded section is created.

USING THE FINE EDIT



COMPU PGM

1. Set a compact disc in the CD CDV LD player.
2. Load a tape for recording into the cassette deck's DECK II.
Since recording always starts from the forward direction (▶), be sure that the tape is loaded properly.
3. Set the cassette deck's DOLBY NR switch to the desired position.
4. Press the EDIT button of the CD CDV LD player.
To use the auto program (AUTO PGM):
Press the EDIT button one more time. You can program the track order.
5. Within 3 seconds, use the TAPE LENGTH button to designate the tape's recording time.

→ 46 → 50 → 54 → 60 → 70 → 74 → 90 →

(unit: minutes)

Tape recording time will change in the above sequence each time the TAPE LENGTH button is pressed.

- The program will be automatically loaded and the number of tracks and the playing time will be shown on the display.
- If you wish to designate the tape length in minute units, use the number buttons on the remote control unit supplied with the power amplifier. First, select "SYSTEM-1" as the CONTROL MODE on the remote control unit; numbers can be selected between 1 and 99 (minutes).
When specifying 1 to 9, first press 0. For example, to specify 7 minutes, press 0, 7.

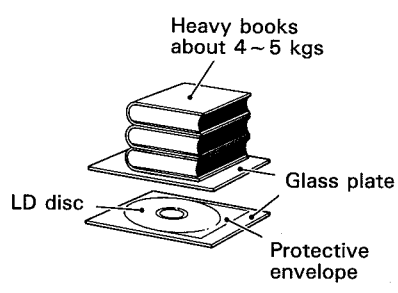
6. Press the cassette deck's ASES button.
7. To stop the A.S.E.S.operation, press the stop button (■) of DECK II.

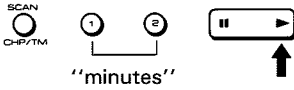
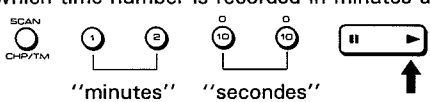
NOTE:

- A.S.E.S. may stop or operate incorrectly when there is a song change near the end of the tape. In such cases use manual operations to record the remaining songs.
- Programming may not occur properly with discs that include 33 or more tracks.
- When playing an LD, chapter "0" cannot be programmed. Further, if chapter "1" is programmed, the actual playing time may be less than that shown, but this is not a malfunction.
- When playing an LD, editing is not possible until after playback has been performed once.
- The A.S.E.S. function cannot be used with LD or CDV discs.

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. Investigate 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.

Symptom	Cause	Remedy
Disc table is not ejected when the OPEN/CLOSE button (▲) is pressed.	<ul style="list-style-type: none"> The power cord is not properly plugged into the double deck amplifier socket. Power switch is not turned on. 	<ul style="list-style-type: none"> Plug in power cord. Turn on power switch.
Disc table comes out.	<ul style="list-style-type: none"> Disc is dirty. The disc is not properly set on the disc table. Moisture has condensed on parts in the player. Disc is warped. 	<ul style="list-style-type: none"> Clean disc. Set the disc properly. Remove disc and let player stand for 1 to 2 hours until it is dry. Try to alleviate the warp. (See page 7)
WHEN A LASERVISION DISC IS BEING PLAYED		
Disc is rotating but there is no picture.	<ul style="list-style-type: none"> The TV set is not turned on. Wrong connections from player to TV. 	<ul style="list-style-type: none"> Turn on TV. Make correct connections.
Picture continuously moves vertically.	<ul style="list-style-type: none"> The TV vertical hold control is not adjusted properly. 	<ul style="list-style-type: none"> Adjust vertical-hold control on TV.
Particular disc does not playback properly. The playback stops in the middle of the disc program.	<ul style="list-style-type: none"> The playing surface of the disc is dirty. The disc is warped. 	<ul style="list-style-type: none"> Use a soft cloth and lightly wipe off the dirt from the surface of the disc. If necessary, moisten a cloth with diluted neutral detergent to remove heavy dirt of fingerprints. LD discs only Put the disc into the protective envelope, then place it on a flat desk top. Subsequently, place a flat board e.g. glass plate on the disc, and load it with about 4~5 kgs. If it is left in this state for one day, sometimes the warp will alleviate. 
Sound is unnatural or distorted.	<ul style="list-style-type: none"> CX system is turned ON for disc which has no <input type="checkbox"/> mark. 	<ul style="list-style-type: none"> Press the D/A/CX button to turn CX system OFF.
No sound output during playback.	<ul style="list-style-type: none"> STILL/STEP playback is being performed. Sound is output only during the normal play mode. The audio signals are not output during other playback modes. 	<ul style="list-style-type: none"> Press the play button (▶) to set the player to normal play mode.
During STILL playback, a part of the screen image shakes.	<hr style="width: 20%; margin: auto;"/>	<ul style="list-style-type: none"> Even if the disc is a standard play disc, there may be some cases in which a fully still image cannot be obtained, but this does not mean that the player or the disc is defective.

Symptom	Cause	Remedy
CHAPTER SKIP, CHAPTER PROGRAM PLAY and CHAPTER NUMBER SEARCH cannot be performed.	<ul style="list-style-type: none"> Disc in which no chapter numbers are recorded is loaded. 	<ul style="list-style-type: none"> Press the DISPLAY button to check if chapter number is displayed.
Certain discs take too long to search for or do not search for.	<ul style="list-style-type: none"> It takes time to read the recorded code, depending on the disc. 	<ul style="list-style-type: none"> Press the CLEAR button and picture will appear. (At this point, a slightly different scene from that which has been searched for may appear.)
Certain discs take too long to start or do not start.	<ul style="list-style-type: none"> There are errors when the disc code is read (There is no damage to the unit). 	<ul style="list-style-type: none"> Press the stop button (■) and stop the playback. Press the play button (▶) and start the playback again. (Repeat this operation a few times.)
The player takes too long to find point A during A-B (INTERVAL) REPEAT operation.	<ul style="list-style-type: none"> It takes time to read the recorded code, depending on the disc. 	<ul style="list-style-type: none"> Press the CLEAR button and picture will appear. (The repeat mode is cancelled).
Picture other than instructed is searched in TIME NUMBER SEARCH mode.	<ul style="list-style-type: none"> Method of inputting numerals in the TIME NUMBER SEARCH mode differs, depending on whether time number is recorded on disc in minutes or minutes and seconds, as shown below: [e.g.] 12-minute search Disc in which time number is recorded in minutes  Disc in which time number is recorded in minutes and seconds  	
WHEN PLAYING BACK A COMPACT DISC		
Player stops immediately after playback is started.	<ul style="list-style-type: none"> Disc is loaded upside down (CD, CDV, onesided LD discs). The playing surface of the discs is dirty. Disc is not properly set on the disc table. 	<ul style="list-style-type: none"> Load the disc correctly with the label side upward. Use a soft cloth and lightly wipe off the dirt from the surface of the disc. If necessary, moisten a cloth with diluted neutral detergent to remove heavy dirt or fingerprint. Set the disc properly.
No sound output.	<ul style="list-style-type: none"> You are not operating the tuner control amplifier correctly. The connectors of the system cables are disconnected, or are not fully pushed in. The player is in pause mode. 	<ul style="list-style-type: none"> Refer to the operating instructions amplifier, and operate the amplifier correctly. Make sure that connections are made correctly. Press the play button (▶) and restore the player to play mode.
Sound is distorted.	<ul style="list-style-type: none"> The connectors of the system cables are not fully pushed in. 	<ul style="list-style-type: none"> Push the connector in firmly.

- If your system is installed very near a television set, the television's picture may be distorted. This may occur with particular frequency when using an indoor antenna. If it does, either switch to an outdoor antenna, or move your television set farther away from the audio system.
- This system may on occasion fail to operate properly due to lightning, atmospheric static electricity, or other external causes. In such cases, turn the power switch briefly OFF then ON again, or disconnect the power cord from its socket temporarily and then reconnect it.

SPECIFICATIONS

General

System LaserVision Disc system
and Compact Disc digital audio system
Laser Semiconductor laser, wavelength 780 nm
Operating temperature +5°C ~ +35°C
(41°F ~ 95°F)
Operating humidity 5% ~ 90% noncondensing

Discs

< LaserDisc >

Standard play disc (CAV) maximum play time
30cm 1 hour/both sides
20cm 28 minutes/both sides
14 minutes/one side

Extended play disc (CLV) maximum play time
30cm 2 hour/both sides
20cm 40 minutes/both sides
20 minutes/one side

Spindle motor speed
Standard play disc 1800 rpm
Extended play disc 1800 ~ 600 rpm

< Compact Disc >

Diameter 12cm, 8cm
Thickness 1.2mm
Rotation direction (pickup side) Counterclockwise
Linear speed 1.2 ~ 1.4m/sec
Maximum playback time ... 12cm: 74 minutes, 8cm: 20 minutes

< Compact Discs with Video >

Diameter 12cm
Thickness 1.2mm
Rotation direction (pickup side) Counterclockwise
Linear speed Audio portion: 1.2 ~ 1.4m/sec
Video portion: 11 ~ 12m/sec
Maximum playback time Video portion: 5 minutes
possible (CLV)
Audio portion: 20 minutes possible (digital)

Audio Output

Digital Audio Characteristics
Frequency response 4 Hz ~ 20 kHz
SN ratio 100dB (EIAJ)
Dynamic range 96dB (EIAJ)
LD conforms to EIAJ

Video Output

Level 1Vp-p (75Ω impedance, unbalanced)
Jack RCA jack

Other Terminals

Control terminal For Double Deck Amplifier × 2

Other

Power requirements
Round 2-pin AC plug model
..... AC 220/230/240V (switchable), 50/60 Hz
Flat blade 2-pin AC plug model
..... AC 110/120-127/220/240V (switchable), 50/60 Hz
Power consumption 37 W
External dimensions 360 (W) × 120.5 (H) × 372 (D) mm
Weight 6.5 kg

Accessories

Operating Instructions 1
Video cord 2

NOTE:

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

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PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan
PIONEER ELECTRONICS [USA] INC. 2265 East 220th Street, Long Beach, California 90810, U.S.A.
P.O. BOX 1720, Long Beach, California 90801, U.S.A.
PIONEER ELECTRONICS OF CANADA, INC. 300 Allstate Parkway Markham, Ontario L3R 0P2, Canada
PIONEER ELECTRONIC [EUROPE] N.V. Haven 1087 Keetberglaan 1, 9120 Melsele, Belgium, TEL: 03/750.05.11
PIONEER ELECTRONICS AUSTRALIA PTY. LTD. 178-184 Boundary Road, Braeside, Victoria 3195, Australia, TEL: [03] 580-9911