

Operating Instructions

CD CDV LD PLAYER CLD-1450

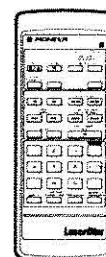
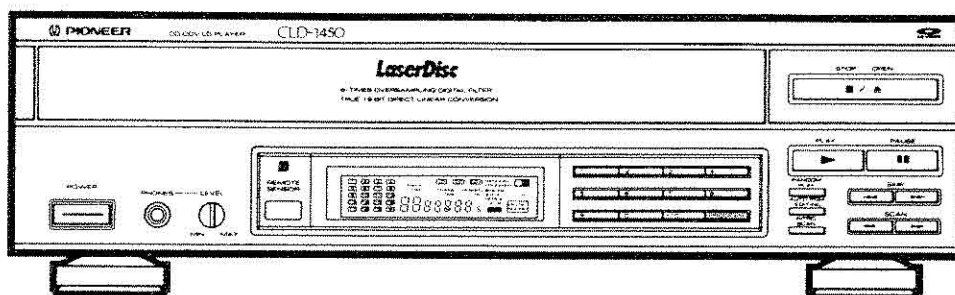
LaserDisc

PAL

COMPACT
disc
DIGITAL AUDIO

CD VIDEO

L
LaserVision



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.

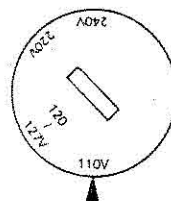
WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

LINE VOLTAGE SELECTOR SWITCH

Only multi-voltage models are provided with this switch.

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

The line voltage selector switch is located on the rear panel of this player. Before your player is shipped from the factory, the switch is set to the power requirements of the player's destination. Check that it is set properly before plugging the power cord into the outlet. 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: Use a medium-sized (flat blade) screwdriver. Insert the tip of the screwdriver into the groove of the selector switch and turn it to set the player to the power voltage of your area.



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



PIONEER
The future of sound and vision.

IMPORTANT



The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user of 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 SERVISING TO QUALIFIED SERVICE PERSONNEL.



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

IMPORTANT

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.

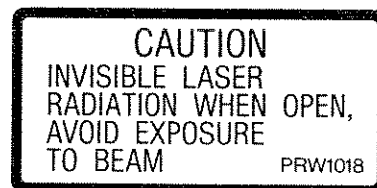
Refer all servicing to qualified personnel.

The following caution labels appear on your player:

Location: On the rear panel of the player



On the bonnet of the player



"This product is manufactured to comply with the radio interference requirements of EEC Directive 76/889/EEC and 82/499/EEC."

IMPORTANT

If the apparatus is fitted with AC mains power outlet(s), see REAR PANEL FACILITIES for convenient connection of additional Hi-Fi component(s). Make all connections to the AC outlet(s) and the signal terminals first. Connect the plug to wall socket last, make sure that the power switch is off.

FOR USE IN THE UNITED KINGDOM

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

As the colours of wires in the mains lead of this apparatus may not correspond with the coloured marking identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Equipment sold in the U.K. is not supplied with a power plug.

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- This player is used with discs bearing the following symbols.



LaserVision

Players and discs which bear this symbol and use the same television system, are mutually compatible.

(Compact Disc)

COMPACT
disc
DIGITAL AUDIO

(*CD VIDEO SYSTEM)



* CD Video discs are recorded with subcodes, which are the non-audio recordings of TOC data such as track numbers, index numbers, etc.

Only one disc can be loaded at any one time. Loading an LD Disc, a Compact Disc, an 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 load only one disc at a time.

PRECAUTIONS

Always remove the disc when this unit is moved or packed for transportation. After removing the disc, return the disc table and turn the power OFF.

INSTALLING THE PLAYER

- Place a player on a stable platform next to the television and stereo system to be used with the player.
- When using the player 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 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.

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.

INSTALL THE PLAYER IN A WELL VENTILATED PLACE AWAY FROM HEAT AND HUMIDITY

Do not install the player in a location subject to direct sunlight, or near a stove or radiator etc. This could adversely affect the cabinet and internal components. Also avoid installing the player in a humid or dusty location. This could result in a malfunction or accident. Do not install near a cookstove where the player could be affected by smoke, steam, or heat.

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.

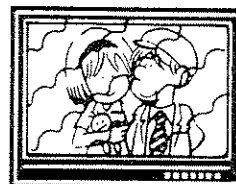
Avoid placing the player on surfaces such as shaggy carpets, beds, and sofas which may block ventilation under the player and cause damage.

CAUTIONS FOR AUTOMATIC LOADING OPERATIONS

Since this player has an automatic loading construction, use the key on the player or the remote control 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 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.



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.

The same, symptoms of condensation may be caused during 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 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.

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 benzene or paint thinner, as it may damage the surface of the player.

AVAILABLE OPERATIONS

With LD Discs ...

Program Playback

Up to 24 chapters can be selected from a disc and played in any desired order.

Multi-speed Playback (CAV discs only)

The playback speed can be varied in 9 steps in both the forward and reverse directions. Still frame playback and Frame Advance Playback (forward/reverse) are also available.

Repeat Playback

Four repeat modes — Memory Repeat, 1-chapter Repeat, One-side Repeat, and Section Repeat — are available.

With CDs (Compact Discs)...

Program Playback

Up to 24 tracks can be selected from a disc and played in any desired order.

Random Playback

All tracks on a disc can be played in random order.

Repeat Playback

Four repeat modes — Memory Repeat, 1-Track Repeat, All-track Repeat, and Section Repeat — are available.

Auto Program Editing

The player automatically selects and programs the tracks which can be played back within a specified time.

With CDV (Compact Disc with Video) Discs ...

The video part (containing both audio and video signals) is played first.

Track time search

For the video part (audio and video):

- The same functions available for LD (CLV) playback can be used.

For the audio part (audio only):

- The same functions available for CD playback can be used.

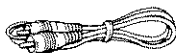
CONFIRMATION OF ACCESSORIES

THE FOLLOWING ACCESORIES ARE SUPPLIED WITH THIS PLAYER

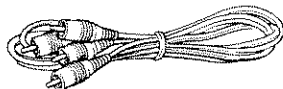
- Remote control unit
- Size "AAA" (IEC R03) dry cell battery x 2



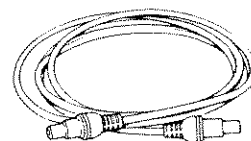
- Video cord
(Pin plug — Pin plug)
Use to connect the player to a color monitor etc.



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



- RF antenna cable with IEC plug
Use to connect the player to a TV set.



- Adjustment screwdriver



- Operating instructions
- Warranty card

DISCS

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 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 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 disc. Track numbers can be used to search for desired tracks (Track Search) or to repeat desired tracks (Track Repeat).

TOC

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.

LD DISCS

The CLD-1450 can play both LD Discs and Compact Discs. Unlike conventional phonograph records, these discs are played back from the inside edge out.

LD Discs are available as both standard play discs and extended play discs.

- **Active/standard play (CAV) discs**

Standard play discs are played at constant angular velocity (CAV).

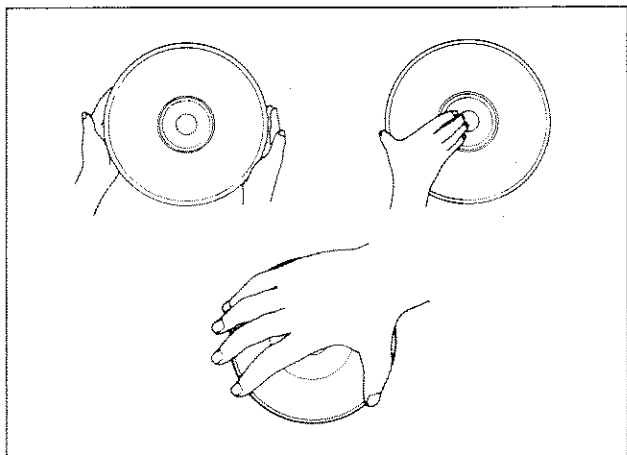
- **Long/extended play (CLV) discs**

These discs are played back at constant linear velocity (CLV), and are therefore able to play for a longer time than standard play discs.

CARE OF DISCS

How to hold discs

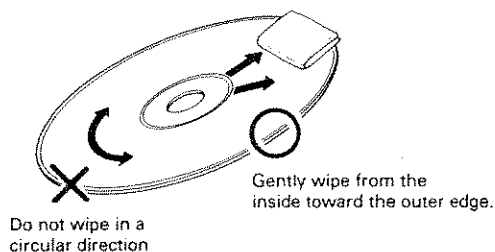
When loading or removing discs, try not to touch their playing surfaces.



Cleaning

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

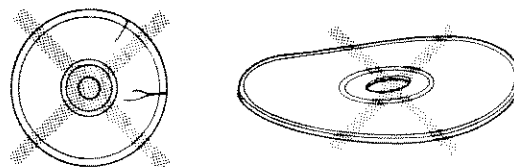
To clean your discs, use a soft clean cloth to wipe them. If necessary, moisten a soft cloth with diluted neutral detergent to remove heavy dirt or fingerprints.



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.

DO NOT PLAY CRACKED OR WARPED DISCS.

■ The disc revolves on 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.



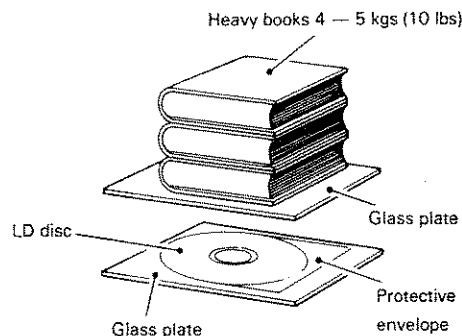
After using discs, store them upright

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.

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 (10 lbs) is applied. Leave the disc like this for a day or so. This may correct the warp.



CAUTION WHEN USING THE DISC

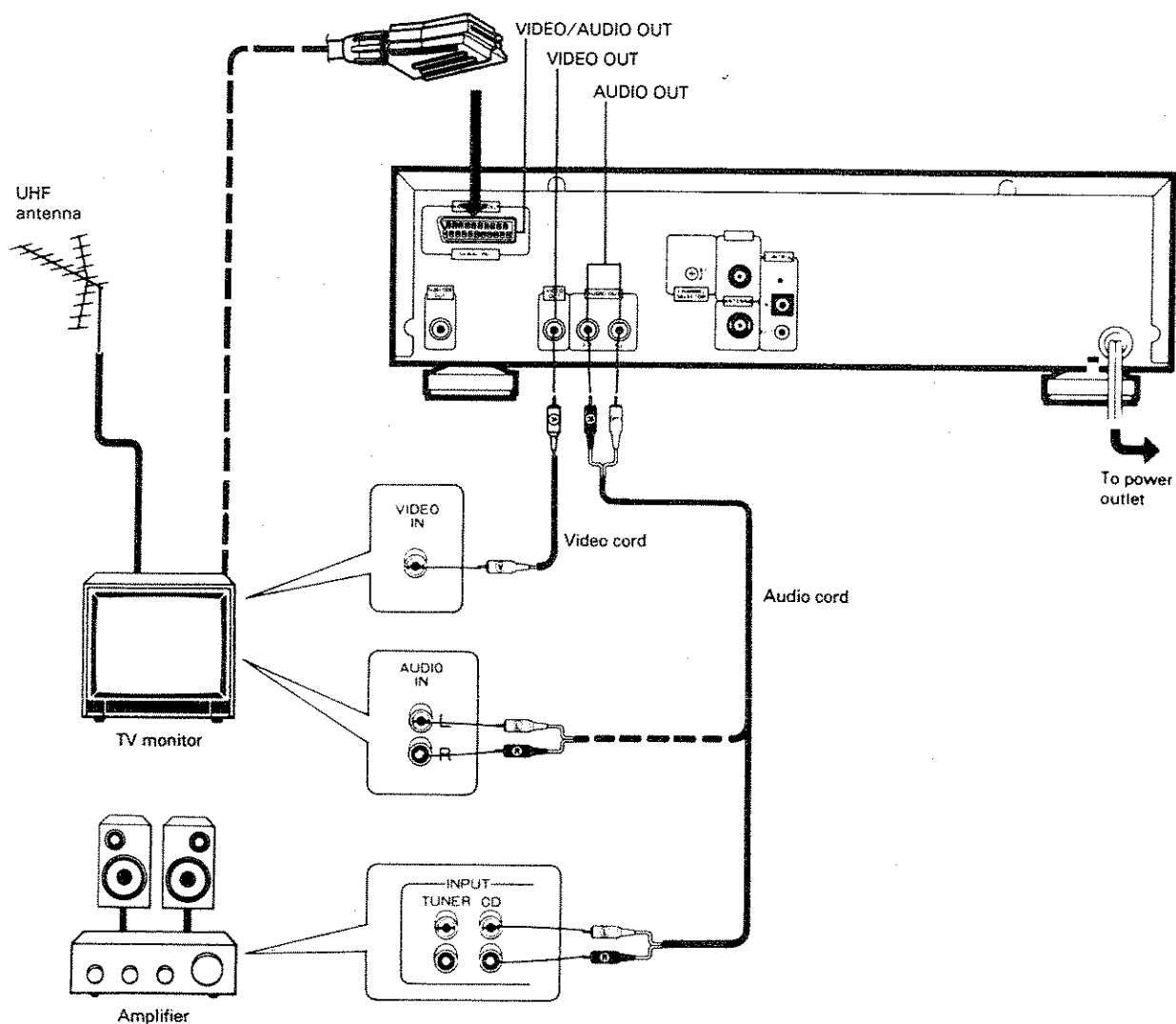
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Unauthorized public performance, broadcasting or copying is a violation of applicable laws.

CONNECTIONS

USING TELEVISION WITH AUDIO AND VIDEO JACKS

CLD-1450, stereo system, monitor television



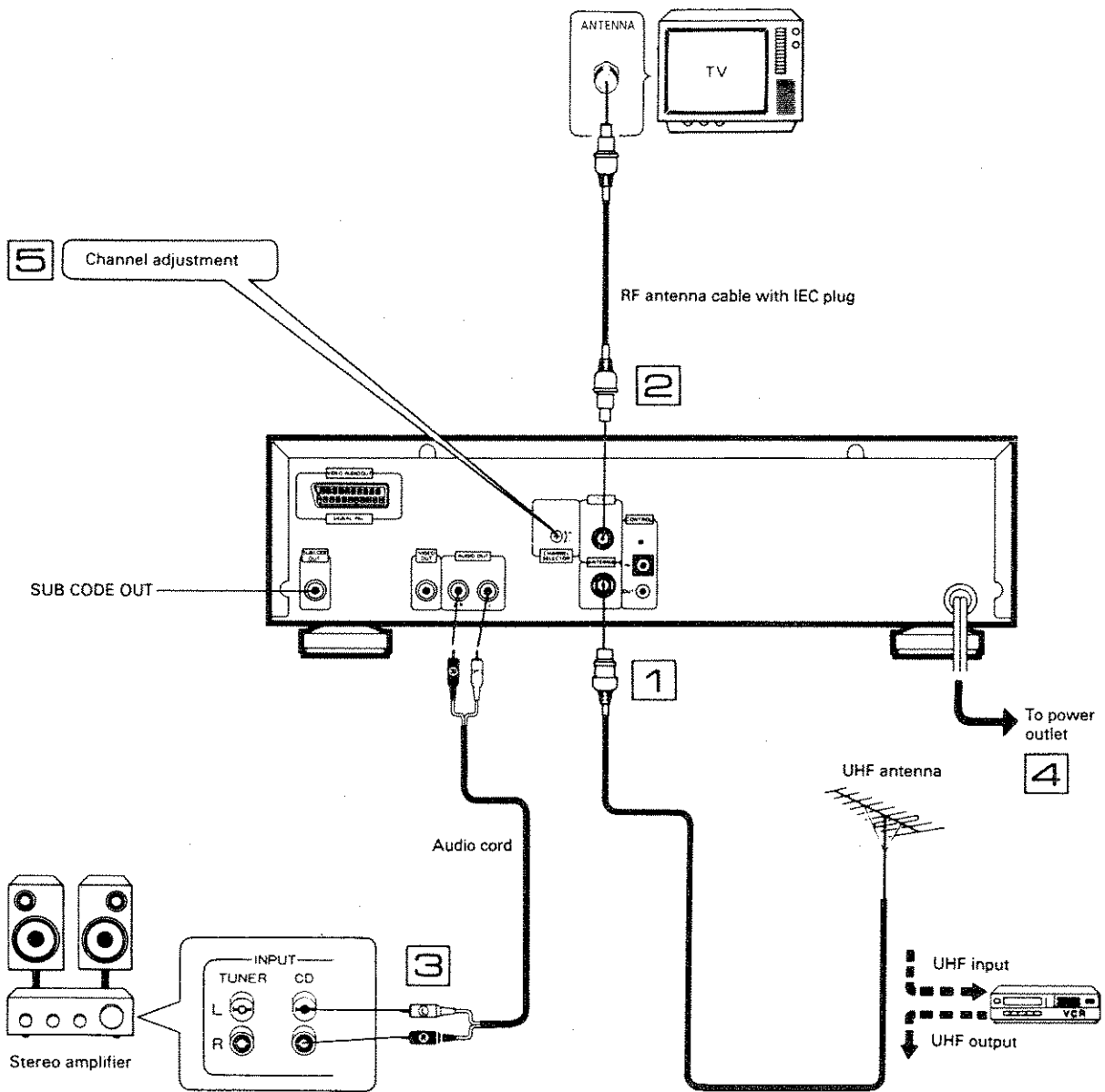
- Connect the VIDEO OUT jack of the player to the video input jack of the monitor television.
- Connect the AUDIO OUT jacks to the stereo amplifier AUX, CD or other jacks, except the PHONO input jacks. The television speakers can also be used by connecting the television audio input jacks and the player AUDIO OUT jacks, however connection to a stereo amplifier is recommended to obtain superior audio playback quality for Compact Discs and LD Discs. No need to change the television antenna and VCR connections.

- When using a video TV monitor (or TV) with "VIDEO/AUDIO" input terminal, connect the "VIDEO AUDIO" input terminal to the VIDEO/AUDIO OUT terminal of the player. For this purpose you need a special lead, please obtain a suitable lead from your dealer.

USING TELEVISION WITHOUT AUDIO AND VIDEO JACKS

CLD-1450, regular television, stereo system, (VCR)

Refer to next page concerning the identified numbers. Make the connections in this order.



When the sound from a LaserVision Disc or Compact Disc is output from a television speaker it becomes monaural sound.

1 UHF TV ANTENNA CONNECTION

Detach the antenna cable from the antenna terminal of your TV set, and connect the cable to the ANTENNA terminal on the player.

2 CONNECTING TO TV SET

Connect the TV terminal of the player to the antenna terminal of your TV set with the accessory RF antenna cable.

NOTE:

- Push the plug in firmly. If the plug is not properly inserted, it may result in snow on the screen or noise.
- The shape of the antenna input terminal and the method of connecting the antenna cable may differ from one TV set to another. For details, please refer to your TV instruction manual.

3 CONNECTING TO STEREO AMPLIFIER

Connect the AUDIO OUT jacks of the player to the AUX or CD input jacks of stereo amplifier.

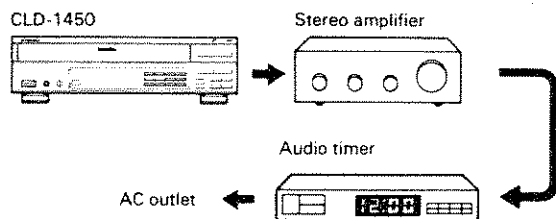
NOTE:

- Do not connect these terminals to your amplifier PHONO input jacks.

4 PLUG THE POWER CORDS INTO AC OUTLET

Plug the AC power cords of the player, stereo amplifier and TV set into an AC outlet.

TIMER CONNECTION

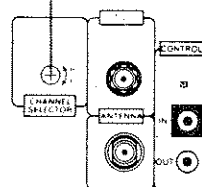


5 UHF CHANNEL ADJUSTMENT FOR PLAYBACK

- (1) Turn on the TV and tune to channel 36.
 - (2) Turn on the player.
 - (3) If the TV is correctly tuned, a blue background picture will appear on the screen.
- If you are using a VCR tuned to channel 36, the player must be retuned to a different channel.

To change the player channel, use the accessory screwdriver to turn the screw inside the opening in the rear panel marked CHANNEL SELECTOR (from CH 32 to CH 40). Note that the screw only needs to be turned a little.

Turn the screw.



SUB CODE OUT jack/ Terminals

used to extend the utility of this player in the future.

CAUTION

BE SURE TO USE THE SHIELDED CABLE WITH THE LENGTH OF LESS THAN 2 METERS WHEN CONNECTING THE SUB CODE OUT JACK TO SOME ADAPTER IN ORDER TO COMPLY WITH THE RADIO INTERFERENCE REQUIREMENT.

TO WATCH A TV BROADCAST

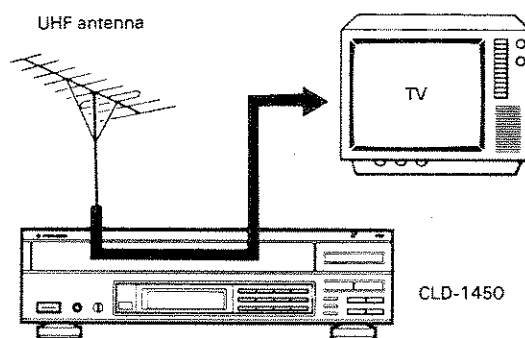
When a UHF TV antenna has been connected to your TV via the player's ANTENNA terminal, in accordance with the connection example given in these instructions (page 9), TV broadcasts can be received normally by proceeding in one of the following two ways:

- **By switching power of the player off**
Before switching off power, press the STOP/OPEN button to stop disc playback.
- **By pressing the TV/LDP key on the remote control, TV mode can be selected.**
 - * To return to disc playback, press the TV/LDP key again.

In either case, the signals from the UHF antenna are fed to the TV set via the player.

NOTE:

In an area where the TV broadcast signal is weak, slanting stripes may appear on the TV screen when the TV/LDP key is pressed to receive a TV broadcast. This does not always indicate a problem. The stripes should be eliminated by turning power of the player off.



Press the TV/LDP key on the remote control unit, or turn off power.

In such cases, or when you wish to watch TV for a long period of time, we recommend that you turn off the power switch of the player.

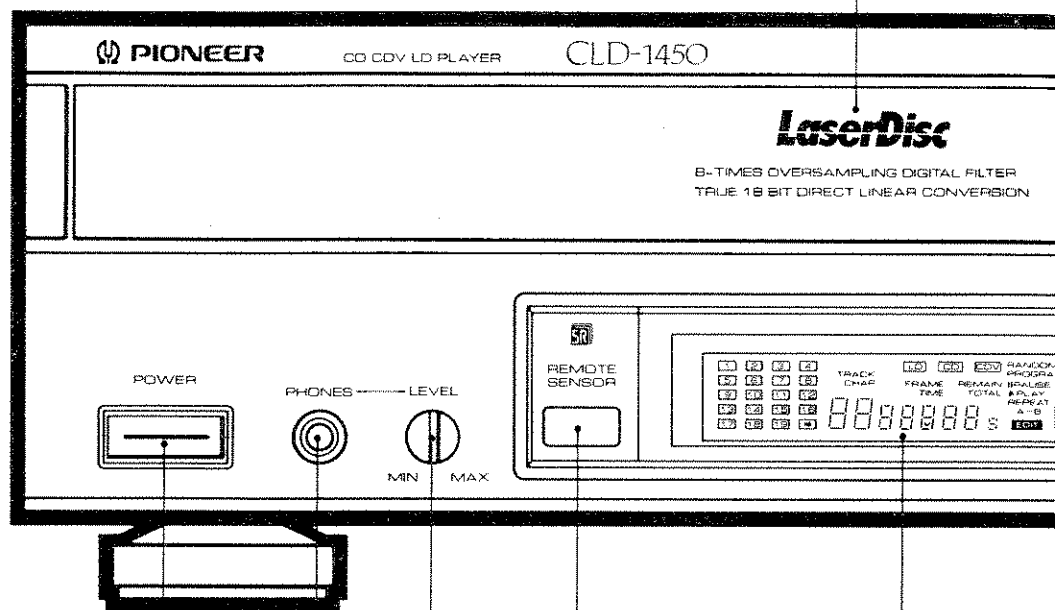
When using a TV set with video and audio input jacks

When using the video input jack of your TV, switch to the broadcast using the controls of your TV.

FRONT PANEL FACILITIES

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

Door/Disc table ... p. 17



POWER switch

Press to turn power to the unit ON and OFF.
If there is disc in the unit when power is turned ON, playback will begin automatically.

PHONES jack

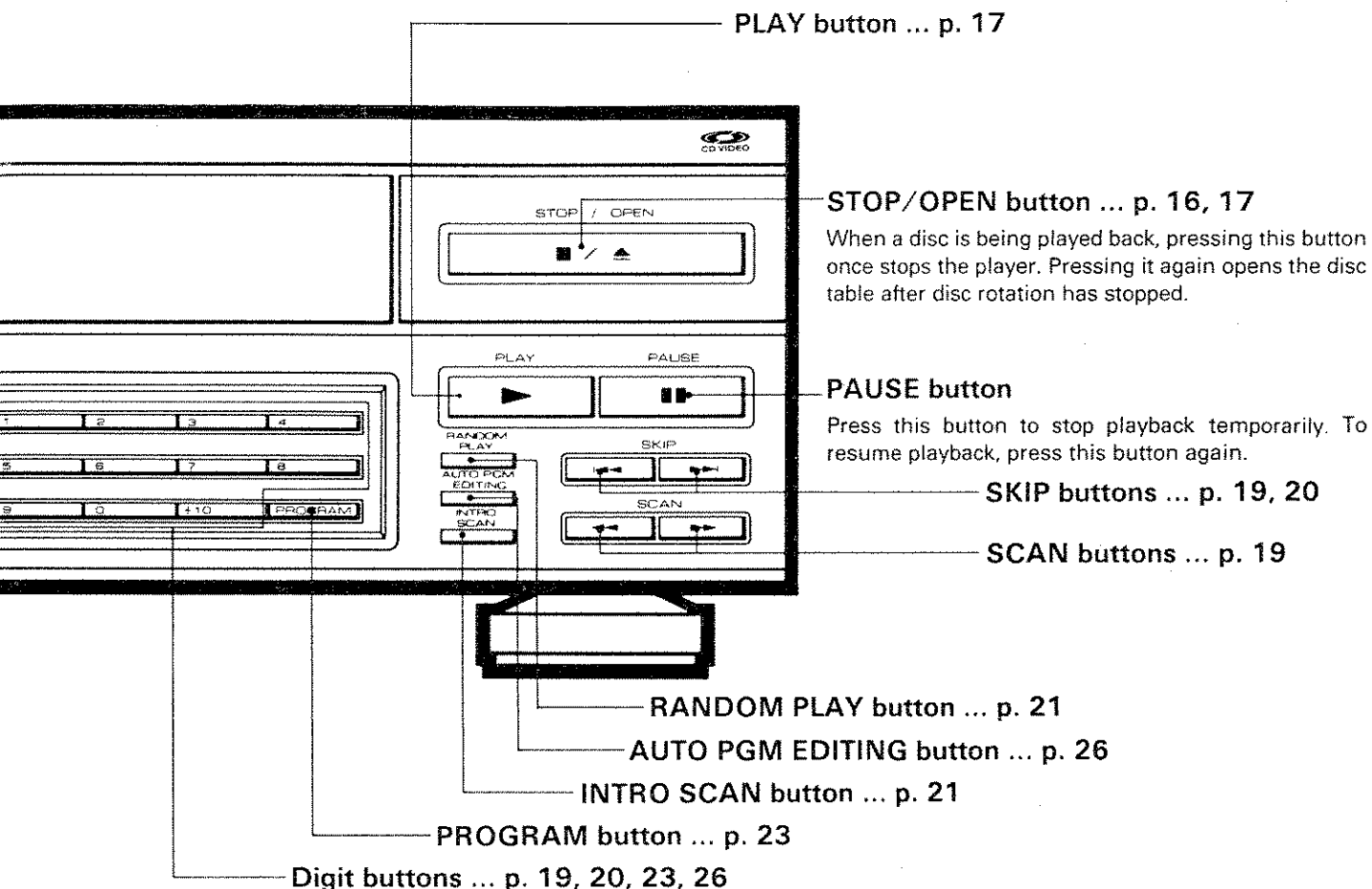
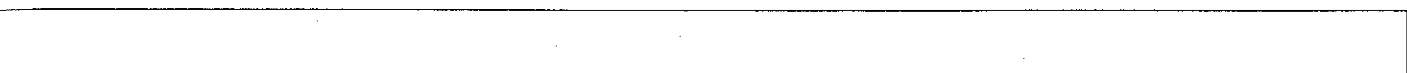
Insert a headphone plug into this jack for private listening.

PHONES LEVEL control

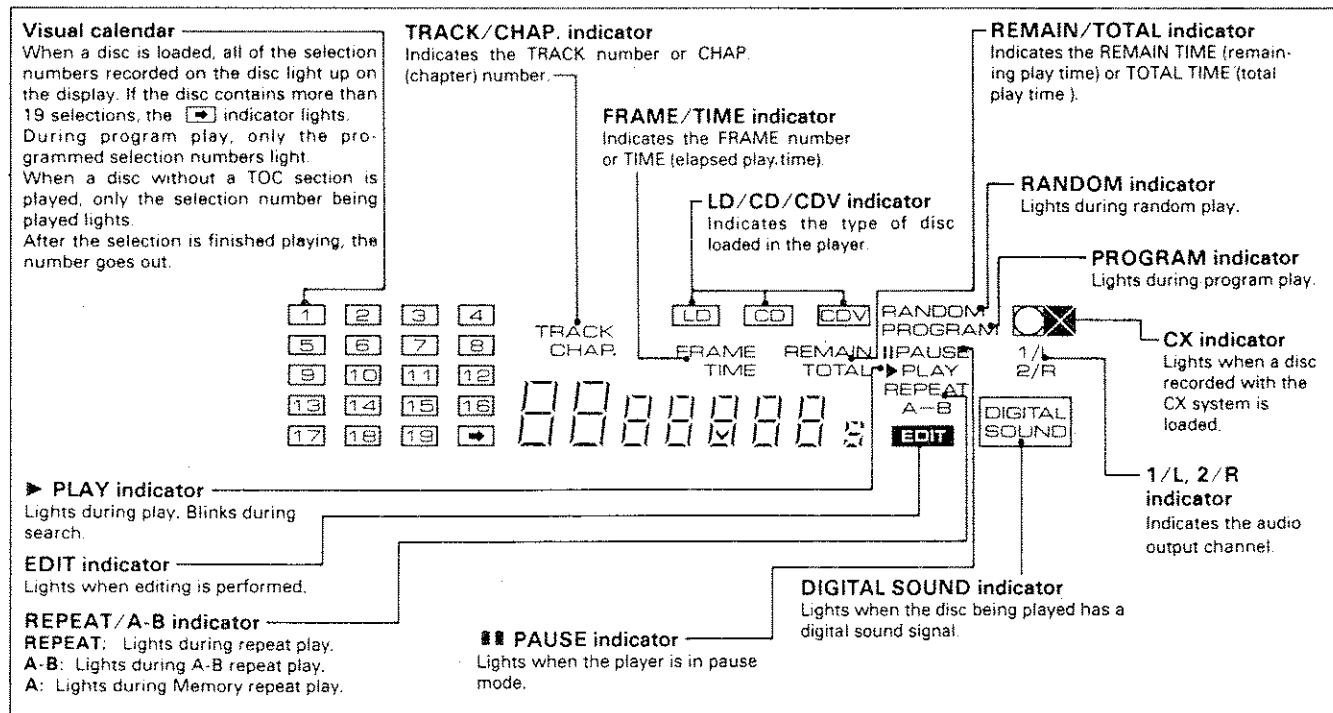
Turn this control in the "MAX" direction to increase the output level from the PHONES jack. Turn this control in the "MIN" direction to decrease the output level from the PHONES jack.

REMOTE SENSOR

Receives the signal from the remote control unit.



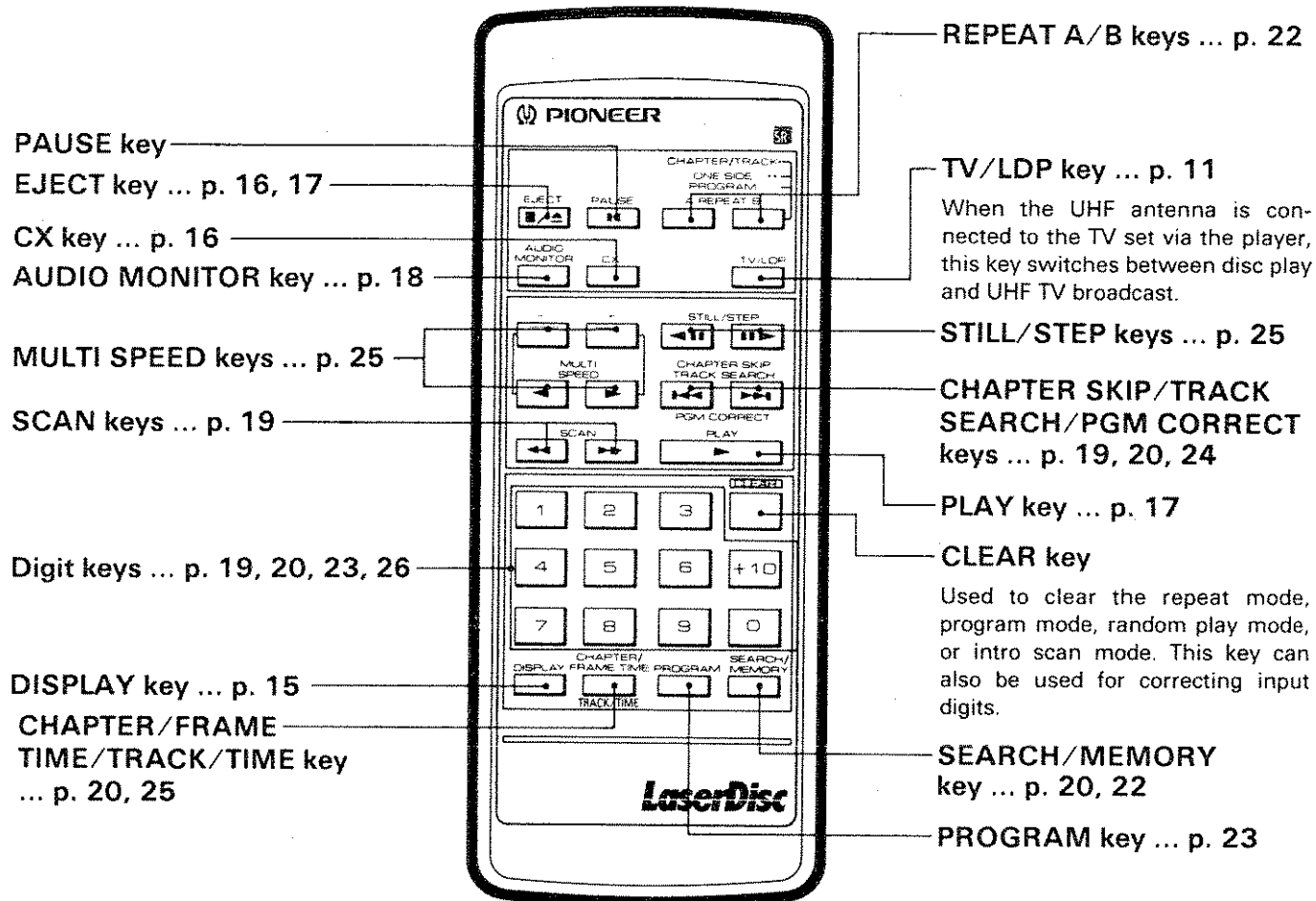
Display window



REMOTE CONTROL UNIT FACILITIES

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

The buttons with the same names or marks on the front panel of the player unit control the same operations as the corresponding keys on the remote control unit.



INSERTING BATTERIES INTO THE REMOTE CONTROL UNIT

1. Open the battery compartment cover on the back of the remote control unit. The cover should open easily if you press on it with your thumb while sliding it in the direction of the arrow.
2. Take out the two accessory size "AAA" (IEC R03) dry cell batteries, and insert them into the battery compartment in accordance with the display inside the compartment.
3. Close the cover of the battery case.

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

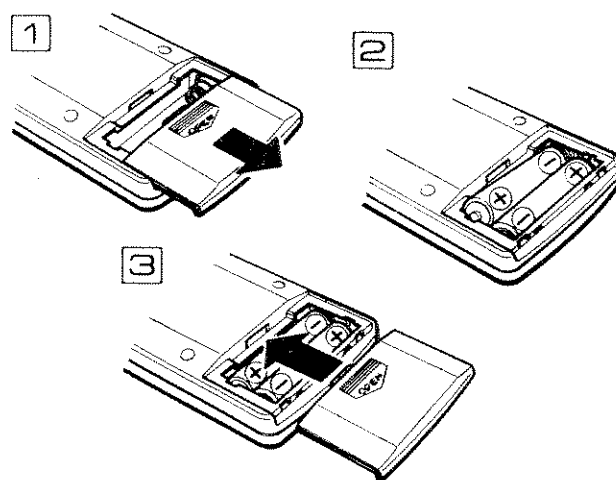
- A. Always insert batteries into the battery compartment correctly matching the positive (+) and negative (-) polarities, as shown by the display inside the compartment.
- B. Never mix new and used batteries.

NOTE FOR USING THE REMOTE CONTROL UNIT

- If the range of operation of the remote control unit becomes too short, replace the batteries.

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<VRB1022>



- 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.

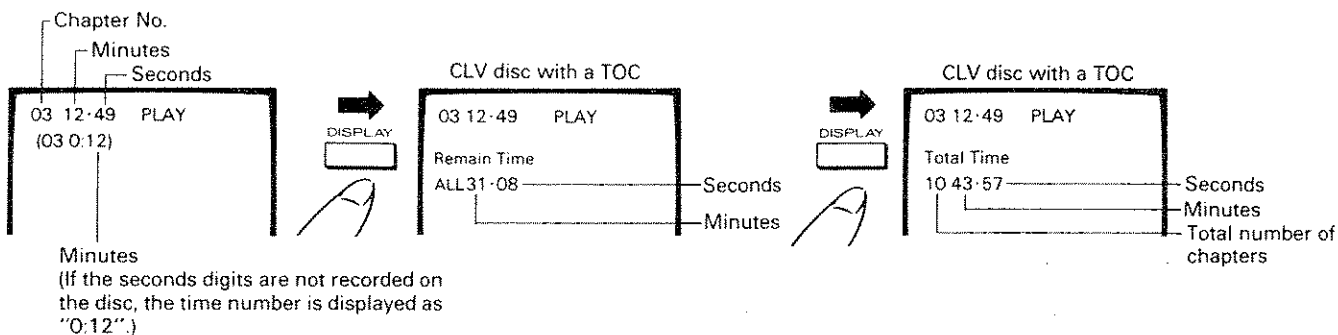
DISPLAY SWITCHING

Information regarding operations is displayed on the player and the TV screen when the DISPLAY key on the remote controll unit is pressed. The information displayed depends on the type of disc being played. With LD discs, you can display the chapter and Time/Frame number on the TV screen. With discs containing TOC information, each press of the DISPLAY key changes the display from

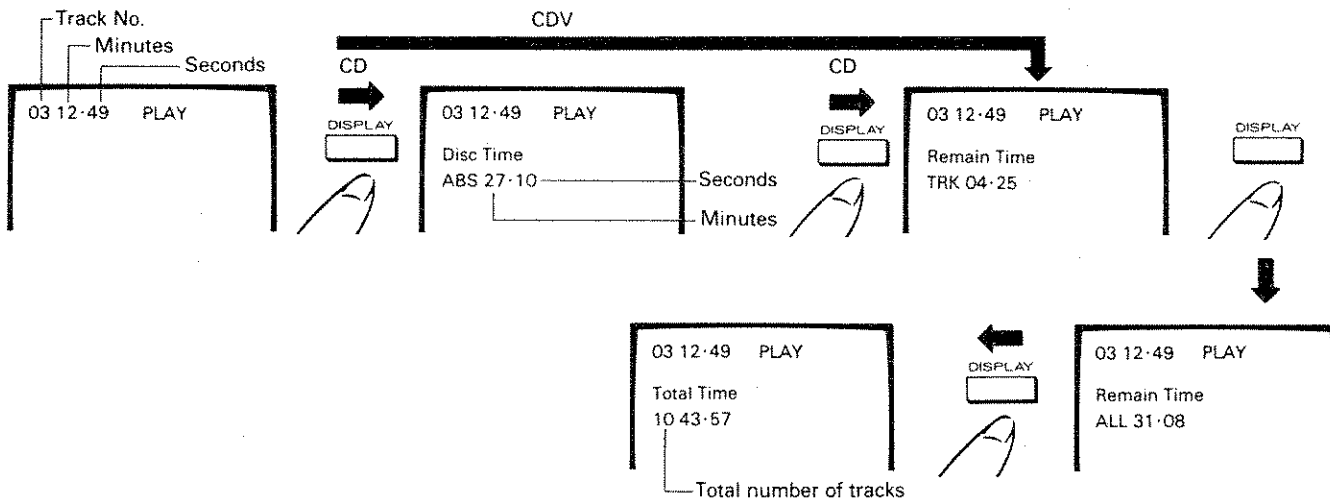
the Time/Frame number display to the Remain Time/Frame display, to the Total Time display, and then back around to the Time/Frame number display again.

During playback of a CD or the audio part of a CDV disc, pressing the DISPLAY key displays the visual calendar on the screen with a blue background with this key.

LD with TOC



CDV/CD

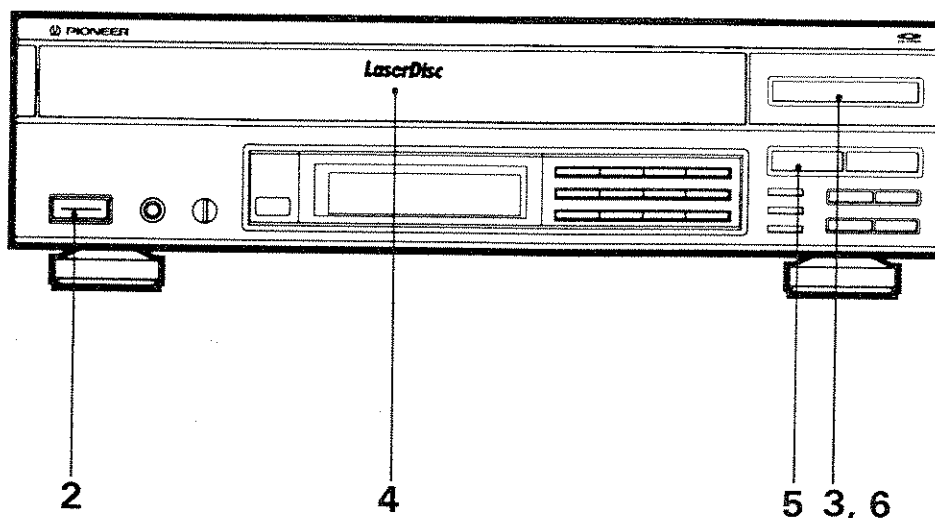


Other displays

Lights - Flashes	Function	Lights - Flashes	Function
OPEN	Opening of the table	Repeat Random	Random repeat
CLOSE	Closing of the table	Repeat Program	Program repeat
STOP	Stop mode	Program	Program mode
PLAY	Play mode	Step-	Program step
PAUSE	Pause mode	Random	Random play
STILL	Frozen picture	Editing	Edit mode
1/2, 1/4...	Slow-speed play	Intro	Intro scan mode
x2, x3	High-speed play	Digital	Digital signal setting
CLV	CLV play	Analog	Analog signal setting
Video	Video part search	Stereo	Stereo
Audio	Audio part search	1/Lch	Main audio/Left channel
Repeat Memory	Memory repeat	2/Rch	Sub audio/Right channel
Repeat A-B	A-B repeat	CX ON	CX noise reduction system ON
Repeat Side-A (B)	One side repeat	CX OFF	CX noise reduction system OFF
Repeat Chapter (Track)	Chapter/track repeat		

* During CD or CDV (audio part) playback, the visual calendar is displayed on the screen with a blue background.

TO PLAY LD/CDV/CD



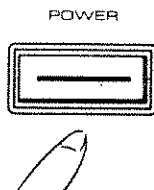
1 Switch on the power to the monitor TV and/or audio system.

Set the TV to the video-use channel (the vacant channel in your area) or select the appropriate video signal input. (See page 10.)

When a stereo system is used for audio listening:

Turn on the power of the amplifier, and set its input selector to the proper position for listening to the CLD-1450, such as "CD".

2 Turn on the power to the CLD-1450.



3 With the STOP/OPEN button, open the disc table.

Front panel



or

Remote control unit



Discs marked with the CX mark

Discs marked CX are recorded with the CX noise reduction system for powerful audio reproduction with little noise.

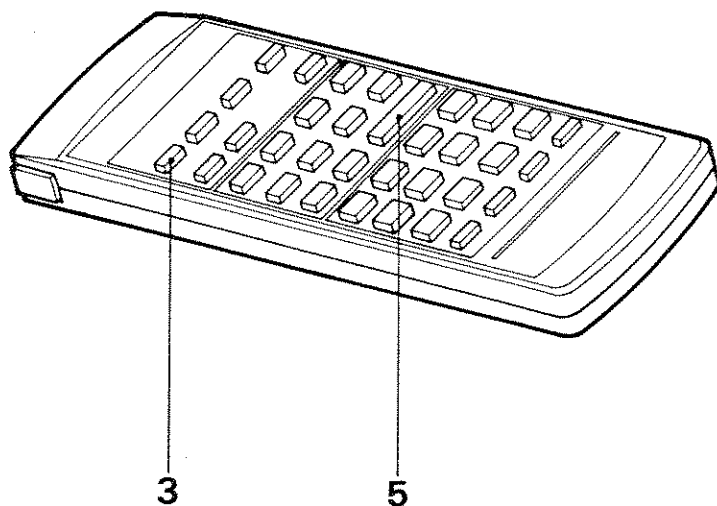
The CX indicator on the front panel lights when such a disc is played.

However, some discs marked CX are not encoded with the signals necessary to instruct the unit to automatically switch on the CX system. If the CX indicator does not light when a disc with a mark is played, press the CX key on the remote control unit.

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

If the picture is not clear:

1. Set your TV to the channel used for disc playback.
2. Start disc playback.
3. Adjust your TV so that a clear picture is obtained.



The buttons with the same names or marks on the front panel of the player unit control the same operations as the corresponding keys on the remote control unit.

4 Place a disc on the table.

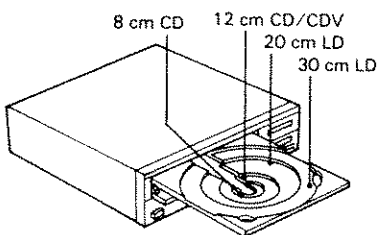
As shown in the following diagram, place the disc on the disc table in the groove corresponding to the size of the disc.

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.

Set the disc so that its edge is properly aligned with the appropriate guide on the table.

CD/CDV: With the labeled side up
LD: With the desired side up



5 With the PLAY button, start playback.

Front panel



or

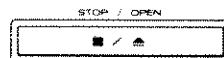
Remote control unit



- Playback of CDV discs starts with the video part.

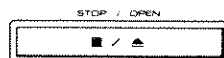
6 With the STOP/OPEN button, stop playback and remove the disc.

To stop playing



once

To remove disc



twice

After removing the disc from the disc table, press the PLAY button to close the disc table.

When playing 8 cm CDs:

Do not use an adapter when placing 8 cm CDs on the disc table.

CAUTION

- Do not place anything on the disc table other than a disc.
- Do not lift up the player during playback, as this could result in damage to the disc.
- Be careful not to pinch your fingers between the player and the disc table.
- Be careful to take measures to prevent small children from opening the disc table and inserting their fingers into the unit. This is hazardous and may cause injury.

Timer playback

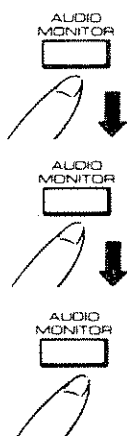
When using an commercially available audio timer, it is possible to initiate playback at any time automatically.

1. Place a disc on the disc table and close it.
 - Leave the POWER switch of the player turned on.
2. Set the time you wish to start playback. The timer will supply power to the amplifier and the player at the preset time, turning all the components on and initiating the playback mode. Playback starts from the beginning of the disc.

To listen to only one channel of a stereo disc

During playback

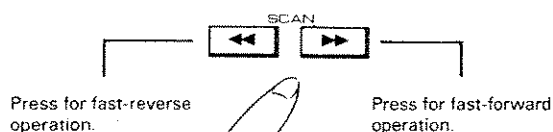
On the remote control unit



Audio source		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	

TO SEARCH FOR A PARTICULAR PASSAGE

Manual Search by Fast Forward or Fast Reverse Key



For about two seconds after the key is pressed, the scan speed is fairly slow, after that, it changes to high speed.

With the video part of CDV, the scan speed does not change to high speed.

During manual search operation

LD: Sound is muted.

CD: Sound is heard at a small volume level.

TO SEARCH FOR A PARTICULAR CHAPTER/TRACK

Chapter Skip/Track 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.


To search by designating the chapter/track number



Example To view from the beginning of Chapter 3 of an LD:





<Direct Search>

 Enter 3 with the digit key.

To search for chapter number 10 or above:

Use the  key.

(Example) To enter 17: , 

To enter 30: , , , 

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 key 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 key is pressed.

If this key 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 key is pressed.

CAUTION

If a number beyond the last number on the disc is specified, the end of the disc is played for about 8 seconds and disc playback stops.

TO SEARCH FOR A PARTICULAR TIME

Search for a Time Number

To search for the scene located at time number 12 min. 34 sec (LD/CDV)

1. Press the CHAPTER/FRAME TIME key.
2. Enter **1**, **2**, **3** and **4** with the digit keys.
If you make a mistake during entry:
Press the CLEAR key to reset the time number to "00·00", and press the correct digit keys (4 digits with discs containing information on the digits of seconds, 2 digits with discs without the second information) again.
3. Press the SEARCH/MEMORY key or PLAY key.

CAUTION

- If a disc does not contain information on the digits of seconds, specify the time number only as far as the minute digits.
- If a time number beyond the last time number on the disc is specified, the end of the disc is played for about 8 seconds and disc playback stops.

To search for a time on a specified track (CD)

1. Press the CHAPTER/FRAME TIME key.
2. Press the CHAPTER SKIP/TRACK SEARCH **⏮** or **⏭** key so that the desired track number appears in the front panel display window.
3. Enter the track time with the digit keys (0-9). The +10 key does not function.
4. Press the PLAY **▶** key or SEARCH/MEMORY key.



Playback starts under the playback conditions set before the search.

To search for a point by designating the elapsed time from the beginning of the disc (CD)

1. Press the CHAPTER/FRAME TIME key so that "Ab" appears in the front panel display window. (On the monitor screen, "ABS" appears).
2. Enter the elapsed time from the beginning of the disc with the digit keys (0-9).
3. Press the PLAY **▶** key or SEARCH/MEMORY key.
Playback starts from the specified elapsed time.

TO PLAY EACH BEGINNING OF ALL CHAPTERS/TRACKS

Intro Scan

When the INTRO SCAN button on the front panel is pressed, the beginning of each track is played for about 8 seconds.



During the desired chapter or track is played, press the PLAY **▶** key. The unit enters play mode. If the PAUSE key is pressed, the unit enters pause mode.

- Intro Scan of CDV starts with the video part.

TO PLAY ALL TRACKS IN A RANDOM ORDER

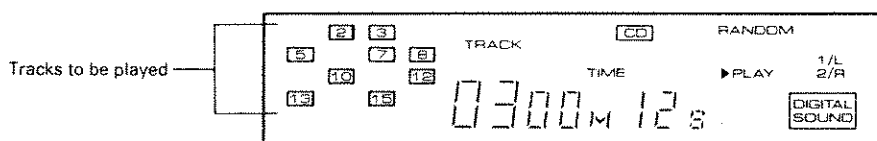
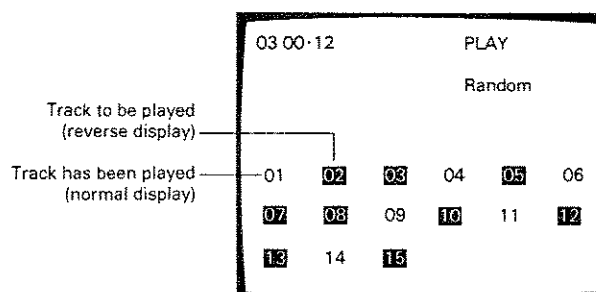
Random Playback

Press the RANDOM PLAY button on the player.



Random play back allows all tracks to be played in a random order.

Display during Random Play



To go to the next track during Random Playback:

Press the ►► key.

(The previous track cannot be played by pressing the ◄◄ button.)

Timing of pressing the RANDOM PLAY button:

If playback is started automatically by closing the disc table, press the RANDOM PLAY button only after the PLAY indicator in the front panel display window has stopped blinking. If the RANDOM PLAY button is pressed immediately after the disc table is closed, Random Playback operation may not take place.

To repeat Random Playback:

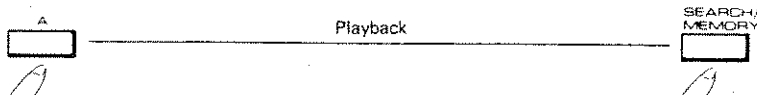
Press the REPEAT B key during Random Playback.

To exit repeat mode, press the CLEAR or REPEAT B key.

TO PLAY ONLY THE DESIRED PASSAGE

Repeat Playback

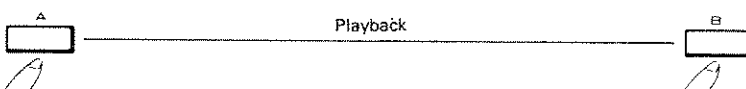
To specify a point which you want to see or listen to again (Memory Repeat)



The point A is memorized.
The A indicator lights on the display window of the front panel.

When you want to return to point A, press this key.
The REPEAT A indicator lights on the display window of the front panel.

To repeat a specified section (A-B Repeat)



Press the A key at the beginning of the section to be repeated.
The A indicator lights up on the display window of the front panel.

Press the B key at the end of the section to be repeated.
The REPEAT A-B indicator lights up on the display window of the front panel.
Playback returns to the beginning of the section and the section is repeated continuously.

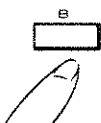
To repeat the chapter or track being played (Chapter/Track Repeat)



Press REPEAT B key once during playback of the chapter or track.

When the chapter being played has been played until the end, playback returns to the beginning of the chapter and the chapter is repeated.
The REPEAT indicator lights on the display window of the front panel.

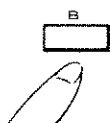
To repeat an entire side of a disc (One Side Repeat)



Press the REPEAT B key twice.
The REPEAT indicator in the front panel display window lights up.

When the side being played has been played until the end, playback returns to the beginning of the disc and the same side is repeated.

To repeat a program



Press the REPEAT B key during program playback.

Programmed selections will be played repeatedly.
• For programming, refer to page 23.

To exit repeat mode:
Press the CLEAR key.

When you wish to specify another point in Memory Repeat mode:

Press the REPEAT A key at the desired point. The new point is memorized and the previous one is erased.

Memory Repeat and A-B Repeat with CDV discs

With CDV discs, these repeat functions cannot be carried out between the audio and video parts.

With LD discs without chapter numbers:
Chapter repeat cannot be carried out.

To check the present operation contents:

The operation contents are displayed in the front panel display window. The operation contents can also be displayed on the monitor TV screen by pressing the DISPLAY key on the remote control unit.

The following operations cancel repeat play
(* One Side Repeat is not cancelled)

LD/Video part of CDV	CD/Audio part of CDV
<ul style="list-style-type: none"> • Chapter skip (forward or reverse) • Search operations (chapter/frame, time, digit entry) • Program play • Random play 	<ul style="list-style-type: none"> • Search operations (track, time, digit) • Program play • Random play

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).

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

Example To play CD tracks No. 9, No. 7, and No. 18 in this order:

1 Press the PROGRAM key.

Display with a disc containing a TOC

PROGRAM

03 00:12	PLAY
Total Time	Program
00 00:00	Step-01
▶ -- -- -- --	-- -- -- --
-- -- -- --	-- -- -- --
-- -- -- --	-- -- -- --
-- -- -- --	-- -- -- --

2 Enter [9], [7], [+10], and [8] with the digit keys.

If you make a mistake during entry:

Press the CLEAR key and enter the correct number with the digit keys.

9

After approx. 1 second

03 00:19	PLAY
Total Time	Program
01 04:15	Step-02
09▶ -- -- --	-- -- -- --
-- -- -- --	-- -- -- --
-- -- -- --	-- -- -- --
-- -- -- --	-- -- -- --

After approx. 1 second

7

03 00:25	PLAY
Total Time	Program
02 06:20	Step-03
09 07▶ -- --	-- -- -- --
-- -- -- --	-- -- -- --
-- -- -- --	-- -- -- --
-- -- -- --	-- -- -- --

After approx. 1 second

+10

8

03 00:32	PLAY
Total Time	Program
03 08:30	Step-04
09 07 18▶ --	-- -- -- --
-- -- -- --	-- -- -- --
-- -- -- --	-- -- -- --
-- -- -- --	-- -- -- --

3 Press the PLAY ► key.

PLAY

The first track (chapter) in the program is searched for and played. In this example, Program Playback starts at the beginning of track number 9.

After tracks No. 9, No. 7, and No. 18 have been played, the player enters 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.

To program a pause:

In step 2 of the above procedure, press the PAUSE ■■ key instead of entering a chapter or track number.

When a program is in pause mode, pressing the PAUSE ■■ key resumes disc playback, so restart recording before pressing the PAUSE ■■ key.

Programmed pause indication:

On the monitor screen — ■■

In the front panel display window — PA

To go to the previous or next chapter (track) in a program:

Press the CHAPTER SKIP/TRACK SEARCH ◀◀ or ▶▶ key.

Total time display (CD only):

This unit can only display a maximum of 99 minutes 59 seconds. If the total time exceeds this amount, total time will not be displayed.

To check the program contents

During program playback or in stop mode, press the PROGRAM key to display the program contents on the monitor screen.

When the PROGRAM key is pressed again, the program contents disappear.

To modify the program contents

To erase a programmed chapter/track or pause

1. Press the PROGRAM key.
2. Press the PGM CORRECT \lll or \ggg key to place the cursor on the left side of the chapter/track or pause to be erased.
3. Press the CLEAR key.
4. Press the PROGRAM key to complete programming. Pressing the PLAY key 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 PROGRAM key.
2. Press the PGM CORRECT \lll or \ggg key 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 keys. Press the PAUSE \blacksquare key to enter a pause.
4. Press the PROGRAM key to complete programming. Pressing the PLAY key also completes programming and starts program playback with the new program contents.

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 calendar.
- Program contents are sequentially displayed by pressing the PGM CORRECT \lll or \ggg key.

CAUTION

- Programmed chapter/track being played cannot be erased or changed.
- Programmed pause being engaged cannot be erased or changed.

EXTRA PLAYBACK (CAV discs only)

The controls and operations described below are the extra playback facilities available when playing CAV (Active play/Standard play) discs.

Chapter/Frame number display

When the DISPLAY key is pressed, the chapter and frame numbers are displayed on the TV screen. The term "frame" refers to each of the picture images recorded on a CAV disc.

Still frame/Frame advance



Press either of these keys.

During play if the STILL/STEP key 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 keys. The sound is muted during still frame or frame advance operation.

To return to normal playback operation, press the PLAY key.

Frame search

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

1. Press the CHAPTER/FRAME TIME key. "Frame 00000" appears on the TV screen.
2. Enter the required frame number with the digit keys.
3. Press the PLAY key. Playback will begin at the specified frame number.

To vary the playback direction or speed

Press for reverse playback.



Press for forward playback.

Press to decrease speed.



Press to increase speed.

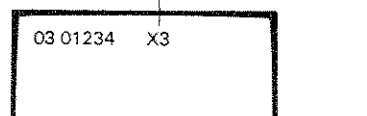
During playback, the playback direction can be changed with the MULTI SPEED key. 1/4 the normal playback speed is set automatically.

With the + and - keys, the playback speed can be changed from x3 to x1/90 the normal playback speed.

Sound is muted during Multi-speed playback operation. To return to normal playback operation, press the PLAY key.

DISPLAY

The selected speed is displayed.

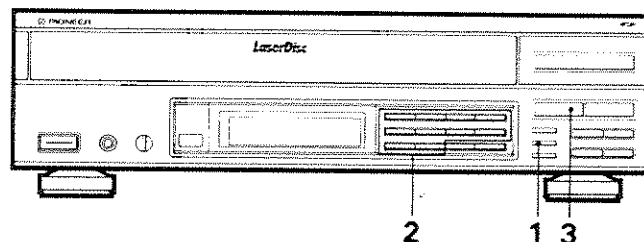


Faster
↑
Slower

Speed display	Speed
x 3	3 times the normal playback speed.
x 2	Twice the normal playback speed.
x 1	Normal playback speed.
1/2	1/2 the normal playback speed.
1/4	1/4 the normal playback speed.
1/8	1/8 the normal playback speed.
1/16	1/16 the normal playback speed.
1/30	1/30 the normal playback speed.
1/90	1/90 the normal playback speed.

PROGRAMMING TRACKS TO BE PLAYED BACK WITHIN A SPECIFIED TIME PERIOD (Auto Program Editing)

If the playing time is specified, the tracks are automatically programmed into the player within the designated time, starting from the first track.

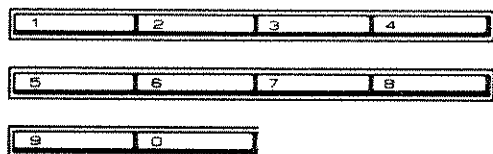


1 Press the AUTO PGM EDITING button.



- When the AUTO PGM EDITING button is pressed during playback, the player enters pause mode.

2 Set the playing time in minutes with the digit keys (0-9).



To enter 10 minutes or above:

Press two digit keys rapidly. For example, to enter 32 minutes, press the **3** key and **2** key sequentially.

- To program several Editing Times, repeat steps 1 and 2.

3 Press the PLAY ► key.

Program playback starts.



When playback of the first program is completed, the player enters pause mode. To play another program, press the PLAY ► key or PAUSE ■■ key.

When all programs have been played, the player enters stop mode.

To clear program contents:

Press the CLEAR key.

To specify the first track to be programmed:

Only the track to be played first can be specified.

1. Press the AUTO PGM EDITING button.
2. Select the desired track by pressing the CHAPTER SKIP/ TRACK SEARCH ◀◀ or ▶▶ key.
3. Set the playing time with the digit keys.

If the specified time is too short for any track to be programmed:

Programming cannot be performed.

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.

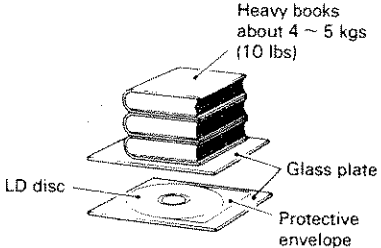

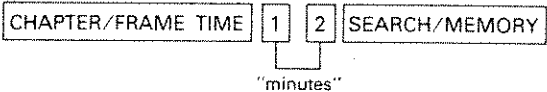
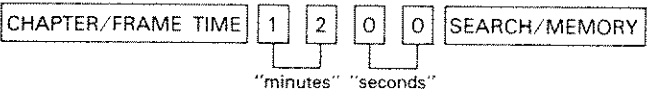
If the trouble cannot be rectified even after executing the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

SYMPTOM	CAUSE	REMEDY
1. 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. • LD disc is warped. 	<ul style="list-style-type: none"> • Refer to instructions under "Remedy", item 8, and 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. (Refer to Symptom 8, remedy column.)
2. TV no longer receives other channels after it has been connected to the player.	<ul style="list-style-type: none"> • Antenna cable has not been connected. • LDP mode is selected. 	<ul style="list-style-type: none"> • Connect UHF antenna cable to antenna terminal on the player. • Select the TV mode by pressing the TV/LDP key or turning off the player's POWER switch.
3. Slanting stripes appear on the TV screen when TV/LDP key is pressed to receive TV broadcasts.	<ul style="list-style-type: none"> • Electric field for TV broadcasting is weak. (This does not indicate any trouble.) 	<ul style="list-style-type: none"> • Turn off the POWER switch of the player. We recommend that you turn off the POWER switch of the player, whenever you intend to watch TV for a long time.
4. Remote control does not work.	<ul style="list-style-type: none"> • The CONTROL IN terminal on the rear panel is connected to Pioneer projection monitor or AV master amplifier. • Batteries are weak. • There is an obstacle between the player and the remote control unit. • Remote control unit is not in a good location for transmission. 	<ul style="list-style-type: none"> • Aim the remote control unit at the projection monitor or AV master amplifier • Replace batteries. • Remove the obstacle or shift the remote control position. • Operate the remote control unit in front of the player.
5. Operation of the remote control unit causes the TV to operate improperly.	<ul style="list-style-type: none"> • Some TV sets have remote control functions that operate improperly in response to the remote control unit of the player. 	<ul style="list-style-type: none"> • Move the TV and the player further apart, or cover the remote sensor of the TV during disc playback.

WHEN A LD DISC IS BEING PLAYED

6. 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. • The TV channel and the player's setting channel are different. • TV mode is selected. 	<ul style="list-style-type: none"> • Turn on TV. • Make correct connections. • Tune the TV to any channel between 32 and 40, and adjust the CHANNEL SELECTOR on the rear panel of the player. • Select the LDP mode by pressing the TV/LDP key on the remote control unit.
7. 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.

TROUBLESHOOTING

SYMPTOM	CAUSE	REMEDY
8. 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 or 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 (about 10 lbs). If it is left in this state for one day, sometimes the warp will be alleviated. 
9. Sound is unnatural or distorted.	<ul style="list-style-type: none"> CX system is turned ON for disc which has no  mark. 	<ul style="list-style-type: none"> Press CX key to turn CX system OFF.
10. No sound output during playback.	<ul style="list-style-type: none"> MULTI-SPEED 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 key. Set to normal play mode.
11. During STILL playback, a part of the screen image shakes.		<ul style="list-style-type: none"> Even if the disc is a CAV 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.
12. 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 DISPLAY key to check if chapter number is displayed.
13. 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/OPEN button and stop the playback. Press the PLAY button and start the playback again. (Repeat this operation a few times.)
14. 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 <div style="text-align: center;">  </div> <ul style="list-style-type: none"> Disc in which time number is recorded in minutes and seconds <div style="text-align: center;">  </div>	

SPECIFICATIONS

1. General

System	LaserVision Disc system and Compact Disc digital audio system
Laser	Semiconductor laser wavelength 780 nm
Power requirements	
U.K. model	AC 240V, 50/60 Hz
Others	AC 110V/120 ~ 127V/220V/240V (Switchable), 50/60 Hz
Power consumption	44W
Weight	8.1 kg (17 lbs 14 oz)
Dimensions	420(W) x 416(D) x 122(H) mm 16-9/16(W) x 16-3/8(D) x 4-13/16(H) in
Operating temperature	+5°C — +35°C (41°F — 95°F)
Operating humidity	5% — 85% (There should be no condensation of moisture.)

2. Disc

LaserVision Discs

- 30 cm active (standard) play disc
- 30 cm long (extended) play disc
- 20 cm active (standard) play disc
- 20 cm long (extended) play disc

Compact Discs

Disc Diameter: 12 cm, 8 cm, Thickness: 1.2 mm

Compact Discs with Video

Disc Diameter: 12 cm, Thickness: 1.2 mm

3. Video characteristics

Video output

- Level 1 Vp-p nominal, sync. negative, terminated
- Impedance 75Ω unbalanced
- Jack RCA jack

UHF output

- Channel Channel 36 (CH32 ~ 40)
- Impedance 75Ω unbalanced
- Terminal IEC (J) type jack

4. 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

Digital Audio Characteristics

System 8 times oversampling true 18 bits
L/R twin D/A converter system

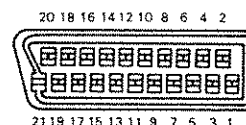
Frequency response	4 Hz — 20 kHz (±0.3 dB) (EIAJ)
SN ratio	105 dB (EIAJ)
Dynamic range	97 dB (EIAJ)
Channel separation	92 (EIAJ)
Total harmonic distortion	0.004% (EIAJ)
Wow and flutter	Limit of measurement (±0.001% W. PEAK) or less (EIAJ)

5. Other Terminals

- Control input/output Both miniature jacks
- Sub code output 5 pin, DIN connector
- Video/Audio output 21-pin connector

This connector provides the video and audio signals for connection to a colour video TV monitor (or TV set) which has a "VIDEO/AUDIO" terminal.

PIN assignment



- | | | |
|---------|-----------------|--------------|
| Pin no. | 1 Audio 2/R out | 17 GND |
| | 3 Audio 1/L out | 19 Video out |
| | 4 GND | 21 GND |
| | 8 Status | |

6. Accessories

- Remote control unit (CU-CLD023) 1
- Size "AAA" (IEC R03) dry cell batteries 2
- RF antenna cable with IEC plug 1
- Video cord 1
- Audio cord 1
- Adjustment screwdriver 1
- Operating instructions 1
- Warranty card 1

SPECIFICATIONS

7. Functions

Remote control unit operations (CU-CLD023)

	Function	Active(Standard) Play Disc (CAV)	Long(Extended) Play Disc (CLV)	Compact Disc with Video	Compact Disc
Basic Functions	Single-side play Pause Stop	YES YES YES	YES YES YES	YES YES YES	YES YES YES
Search	Fast forward (forward and reverse) Chapter/Track skip Direct chapter/Track number search Frame number search Time number search	YES YES YES YES NO	YES YES YES NO YES	YES YES YES NO YES	YES YES YES NO YES
Program	Chapter/Track program play Program correction	YES YES	YES YES	YES YES	YES YES
Repeat	Repeat between 2 points Memory repeat Chapter/Track repeat One-side repeat Program repeat	YES YES YES YES YES	YES YES YES YES YES	YES YES YES YES YES	YES YES YES YES YES
Trick play	Still/Step Multi-speed (Forward/receive 9-level variable)	YES YES	NO NO	NO NO	NO NO
Time display	Elapsed time display Absolute time display Remaining track time display Remaining total time display Total number of selections, total time display	NO NO NO YES (Only discs with TOC YES (Only discs with TOC)	YES NO NO YES (Only discs with TOC) YES (Only discs with TOC)	YES NO YES YES YES	YES YES YES YES YES
Others	CX system ON/OFF TV/LDP selection Audio channel selection (Stereo, 1/L, 2/R)	YES* YES YES	YES* YES YES	— YES —	— YES —

* Valid for analog sound when playing a disc with the CX mark.

NOTE:

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

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<89I00WM1D02>

Printed in Japan <VRB1022-B>