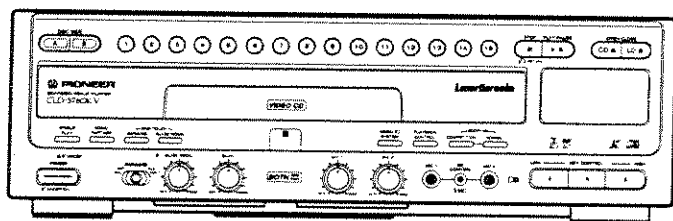


CLD-3760KV

CD/VIDEO CD/LD PLAYER
REPRODUCTOR DE CD/VIDEO CD/LD
CD/VIDEO CD/LD 鐳射碟影機
CD/VIDEO CD/LD 鐳射碟影机

NTSC



English

Español

中國語

中国語

- This player is not suitable for commercial use.
- LD-ROM, CD-ROM and CD graphic discs cannot be played with this player. (For details, refer to page 6.)

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.

LaserDisc LaserKaraoke

L
LASER DISC

COMPACT
disc
DIGITAL AUDIO

COMPACT
disc
DIGITAL VIDEO

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

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

IMPORTANT



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



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.

IMPORTANT SAFETY INSTRUCTIONS

READ INSTRUCTIONS — All the safety and operating instructions should be read before the product is operated.

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

HEED WARNINGS — All warnings on the product and in the operating instructions should be adhered to.

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

CLEANING — The product should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzene, insecticides or other volatile liquids since they may corrode the cabinet.

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

WATER AND MOISTURE — Do not use this product near water — for example, near a bathtub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool; and the like.

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

CART — A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.



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

POWER SOURCES — This product should be connected only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.

LOCATION — The appliance should be installed in a stable location.

NONUSE PERIODS — The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

GROUNDING OR POLARIZATION

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

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

OUTDOOR ANTENNA GROUNDING — If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.

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

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

OVERLOADING — Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

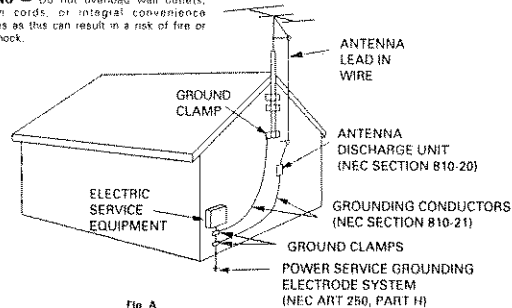


Fig. A

NEC — NATIONAL ELECTRICAL CODE

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

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

Information to User

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

CAUTION

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

[FOR ROUND 2-PIN AC PLUG MODEL]

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 appears on your player.

Location: rear of the player



ACCESSORIES

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

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



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



- Power cord
<Flat blade 2-pin AC plug model>



<Round blade 2-pin AC plug model>



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



- Operating instructions

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PRECAUTIONS

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

INSTALLING THE PLAYER

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

DO NOT INSTALL THE PLAYER IN THE FOLLOWING LOCATIONS

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

AVOID SOURCES OF HEAT

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

CAUTION

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

STRIPE PATTERNS APPEARING ON A TV PROGRAM

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



CAUTION FOR INSTALLATION INSIDE A RACK WITH GLASS DOOR

Be cautious so that the disc table does not hit the glass when the table is opened by pressing the OPEN/CLOSE (▲) button of the remote control unit. The disc table may fall in malfunction if its motion is obstructed by a strong force.

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

CONDENSATION

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

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

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

POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such a way that they are not likely to be stepped on. A damaged power cord can cause a 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 benzine or paint thinner, as they may damage the surface of the player.

LD/CD lens cleaner

The player's pickup lens should not become dirty in normal use, but is for some reason it should malfunction due to soiling, ask your nearest PIONEER authorized service center. Lens cleaners for LD/CD players are commercially available, but special care should be exercised in their use since some may cause damage to the lens.

Only one disc can be loaded at any one time. Loading a LaserDisc, a Compact Disc, a 8 cm Compact Disc or a VIDEO CD on top of one another may result in a breakdown, or in scratching of the discs. Please only load one disc at a time.

This player is to be used exclusively with the NTSC color system. Please use NTSC LaserDisc only. PAL and SECAM system discs cannot be used with this player. However, this player is capable of playing VIDEO CDs recorded in the PAL format.






TYPES OF DISCS THAT CAN BE PLAYED WITH THIS UNIT

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

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

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

To prevent a malfunction, do not use an 8-cm (3 in.) adaptor (for CD) or a 20-cm (8 in.) adaptor (for LD).

Types of playable discs and their marks	Diameter/Playable sides	Max. playback time
 CD	CD 12 cm (5 in.) / single-side	74 minutes
	CD single 8 cm (3 in.) / single-side	20 minutes
 VIDEO CD	VIDEO CD 12 cm (5 in.) / single-side	Digital audio Digital Video 74 min.
	CD single 8 cm (3 in.) / single-side	Digital audio Digital Video 20 min.
 CDV	CDV 12 cm (5 in.) / single-side	Digital audio 20 min. Digital audio + Video 5 min.
 VSD	VSD 12 cm (5 in.) / single-side	Digital audio + Video 5 min.
 LASER DISC	LD 30 cm (12 in.) / double-side	CAV 1 hour CLV 2 hours
	LD 20 cm (8 in.) / double-side	CAV 28 min. CLV 40 min.
	LD single 20 cm (8 in.) / single-side	CAV 14 min. CLV 20 min.
	LD 30 cm (12 in.) / double-side	CAV 1 hour CLV 2 hours
	LD 20 cm (8 in.) / double-side	CAV 28 min. CLV 40 min.
	LD single 20 cm (8 in.) / single-side	CAV 14 min. CLV 20 min.

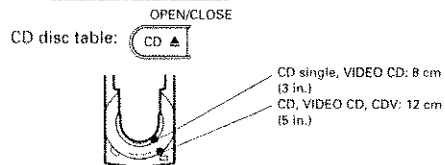
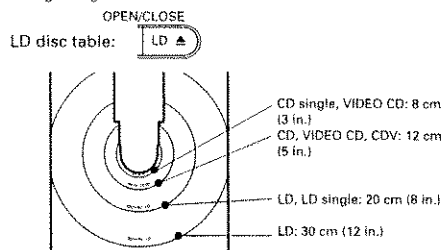
Discs other than those noted above cannot be played back with this player. (i.e., CD-ROM, LD-ROM, Hi-vision LD, PHOTO CD etc.)




* This is the unified symbol mark of LASERDISC (LaserVision videodisc). LaserDisc players and discs which bear this symbol and use the same television system, are mutually compatible.

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

HOW TO PLACE A DISC

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



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

VIDEO CD

The jackets or labels of VIDEO CD discs bear the following mark.



The VIDEO CD offers animated image playback with an equivalent audio quality to MD and similar video quality to VHS. It features a digital signal compression technology (MPEG) which allows continuous playback of digital video and audio for up to 74 minutes.

Some VIDEO CDs are compatible with the Play Back Control (PBC) feature which makes it possible to select the desired scene or play a still image with menu operation.

Playback control (PBC)

The PBC signal is recorded on VIDEO CDs (version 2.0) for use in controlling the playback operation.

The VIDEO CD with PBC compatibility includes the recording of menu screens, which allow to play video software using simplified interactive system or retrieval function.

The PBC also allows to display two kinds of still images, high-definition images and standard images.

High-definition still image

When a VIDEO CD including the recording of high-definition still images is played, still images can be enjoyed with a four times higher resolution than moving images.

LDs (LASERDISCS)

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

CAV DISCS

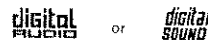
The jackets and labels of these discs are marked with a 'Standard Play Disc CAV' or 'Standard Play' indication.

CLV DISCS

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

LASERVISION DISCS WITH DIGITAL AUDIO

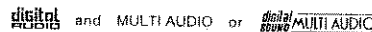
The jackets and labels of these discs bear the following mark.



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

LASERVISION MULTI AUDIO DISCS WITH DIGITAL AUDIO

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



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

DOLBY SURROUND AC-3 DISC

This type of disc contains digital data of the 5.1-channel audio of the surround system for actual movie theaters (Surround Digital) which has been compressed with AC-3 and recorded in one of the conventional analog channels (R channel). The "0.1" channel of the 5.1 channel surround system is for low frequency effects only.



To enjoy the full audio potential of a Dolby® Surround AC-3 disc, connect the AC-3 RF output terminal of this unit to the AC-3 RF input terminal of an amplifier or surround processor.

* Dolby, AC-3 and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

LD GLOSSARY

Chapter number

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

Frame number

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

Time number

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

CDV (COMPACT DISC WITH VIDEO) DISCS

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

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.

TOC

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

- Some LD discs are not provided with a TOC section.

CARE OF DISCS

How to hold discs

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



Cleaning

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

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



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

Gently wipe from the inside toward the outer edge.

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

NEVER PLAY CRACKED OR WARPED DISCS.

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



After using discs, store them upright

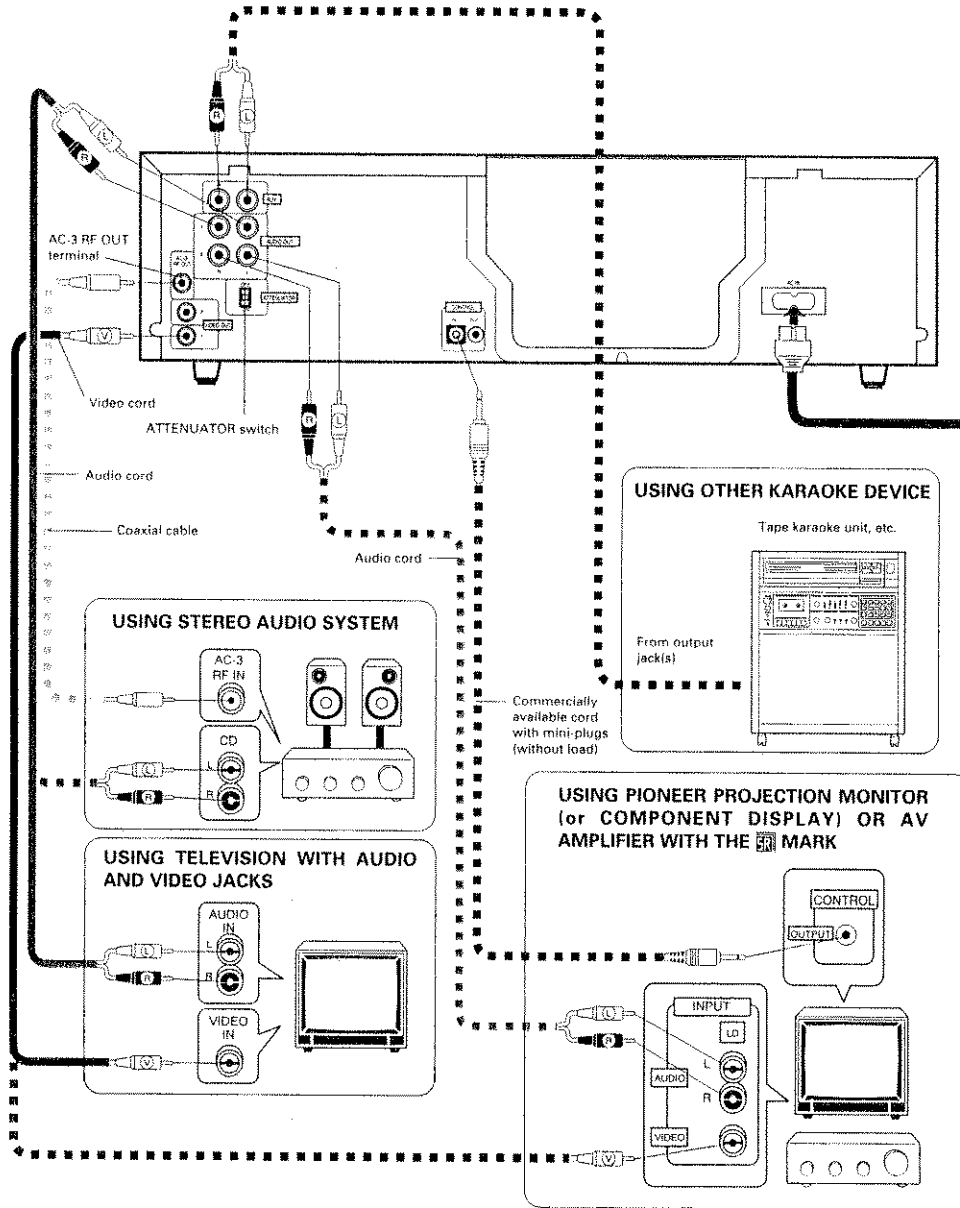
After playing a disc, always remove it from the player and return it to its jacket. Then store it standing upright away from heat and humidity.

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

CAUTION WHEN USING THE DISC

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

CONNECTIONS



Finally plug the accessory power cord to the AC IN jack and a household power outlet (which should permanently be supplied with power.)

CONNECTING TV AND STEREO AMPLIFIER

- Connect the VIDEO OUT jack of the player to the video input jack of the monitor television.
 - Connect the AUDIO OUT jacks to the stereo amplifier AUX, CD, LD, VDP or other jacks, except the PHONO input jacks. The television speakers can also be used by connecting the television audio input jacks and the player AUDIO OUT jacks. However, connection to a stereo amplifier is recommended to obtain superior audio playback quality for Compact Discs and LaserDiscs.
- Do not change the television antenna and VCR connections.

ATTENUATOR SWITCH

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

AC-3 RF output jack

This output jack is compatible with the AC-3 (digital multi-audio format). Dolby AC-3 compatible LD software can be played by connecting this jack to an amplifier or surround processor equipped with the AC-3 RF input jack.

- The Dolby AC-3 effect cannot be obtained with LD software or AV amplifiers that are not Dolby AC-3 compatible.
- Do not connect this jack to an audio input jack of an ordinary stereo amplifier or AV amplifier.

THE [Pioneer] MARK

System control can be performed when the player is combined with an optional AV amplifier, which can provide centralized control of Pioneer products with the [Pioneer] mark.

Connect the VIDEO OUT jack of the player to the video disc video input jack of the AV amplifier and connect the AUDIO OUT jacks of the player to the audio input jacks of the AV amplifier.

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

- Once the system remote control connection is made, the remote control sensor of the player will not accept the remote control.

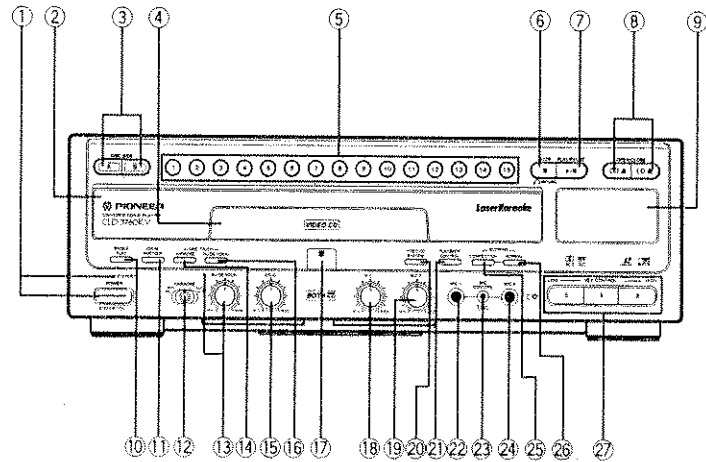
The remote control unit should be pointed at the remote control sensor of the connected component.

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

NAMES AND FUNCTIONS

Front panel:

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



1 POWERSTANDBY/ON switch and STANDBY indicator

Press to turn the power on and off.

2 Disc table ... p. 6, 13

3 DISC SIDE A/SIDE B buttons ... p. 14

4 CD Disc table ... p. 6, 13

5 Direct music search buttons ... p. 13, 18, 19, 21, 24

6 STOP (■)/RETURN (◀) button ... p. 14, 21

7 PLAY/PAUSE (▶/⏸) button ... p. 13, 14

8 OPEN/CLOSE (CD ▲/LD ▲) buttons ... p. 13, 14

9 Display window

10 SINGLE PLAY button/indicator ... p. 15

11 VOCAL PARTNER button/indicator ... p. 16, 17, 22

12 NORMAL/KARAOKE/AUX INPUT selector ... p. 13, 20, 22

13 GUIDE VOCAL level control/indicator ... p. 16

14 ONE-TOUCH KARAOKE button/indicator ... p. 16, 17

15 ECHO level control ... p. 15

16 ONE-TOUCH GUIDE VOCAL button/indicator ... p. 16, 17

17 Remote sensor ... p. 12

18 MIC 1 level control ... p. 13

19 MIC 2 level control ... p. 13

20 VIDEO CD SYSTEM button/indicator ... p. 20

Press to switch the video output signal format from the VIDEO CD between NTSC and PAL. (Indicator lit)

21 PLAYBACK CONTROL button/indicator ... p. 21

22 MIC 1 jack ... p. 13

23 MIC CONTROL jack ... p. 13

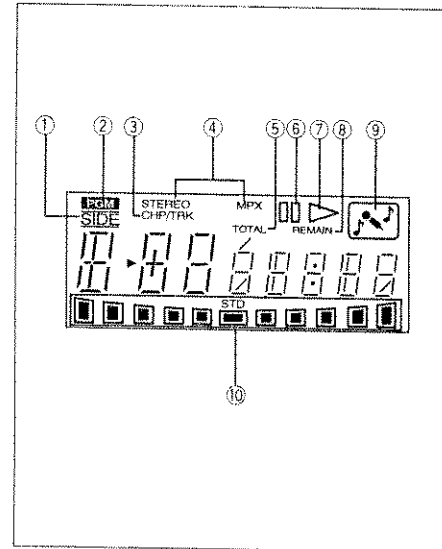
24 MIC 2 jack ... p. 13

25 SCORING COMPETITION button/indicator ... p. 19

26 SCORING NORMAL button/indicator ... p. 18

27 KEY CONTROL buttons ... p. 15

Display window



1 SIDE indicator

2 PGM (Program) indicator

3 Chapter number/Track number indicator

4 Audio mode indicators

Display the type of the played audio signal when the KARAOKE or AUX input is selected.

5 TOTAL indicator

6 II Pause indicator

7 ▶ Play indicator

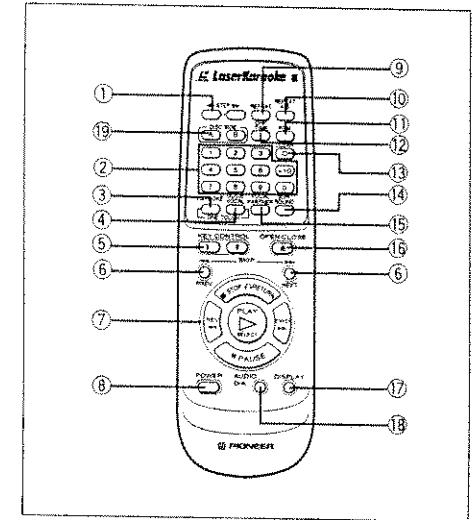
8 REMAIN indicator

9 KARAOKE indicator

10 Key control indicator

Remote control unit:

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



1 STEP (◀|||▶) buttons ... p. 23

2 Digit buttons ... p. 13, 21, 24

3 ONE-TOUCH KARAOKE button ... p. 16, 17

4 ONE-TOUCH GUIDE VOCAL button ... p. 16, 17

5 KEY CONTROL buttons ... p. 15

6 SKIP (◀◀/PREV ▶▶/NEXT) buttons ... p. 21, 23

7 Operation buttons

■/◀ : STOP/RETURN button ... p. 14, 20, 21

▶ : PLAY/SELECT button ... p. 13, 21

⏸ : PAUSE button ... p. 14

◀◀/▶▶ : Scan buttons ... p. 24

⏻ : POWER button ... p. 13

⏮ : REPEAT button ... p. 25

⏭ : REPEAT A-B button ... p. 25

⏪ : PGM (Program) button ... p. 24

⏩ : CHP/TIME (Chapter/Time) button ... p. 23

⏴ : CLEAR button ... p. 23, 24, 25

⏶ : SURROUND button ... p. 15

⏷ : VOCAL PARTNER button ... p. 16, 17

⏸ : OPEN/CLOSE (▲) button ... p. 13, 14

⏹ : DISPLAY button ... p. 26

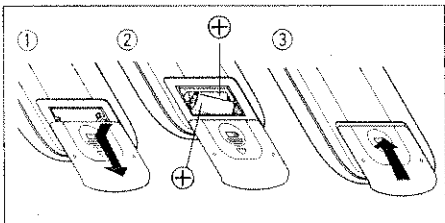
⏺ : AUDIO D/A button ... p. 22

⏻ : DISC SIDE A/B buttons ... p. 14

REMOTE CONTROL OPERATIONS

INSERTING BATTERIES INTO THE REMOTE CONTROL UNIT

- 1 Open the battery compartment cover on the back of the remote control unit.
- 2 Insert size "AAA" (IEC R03) dry cell batteries into the battery compartment in accordance with the indications (+, -) inside the compartment.
- 3 Close the cover of the battery case.



Incorrect use of batteries may cause leakage or rupture.

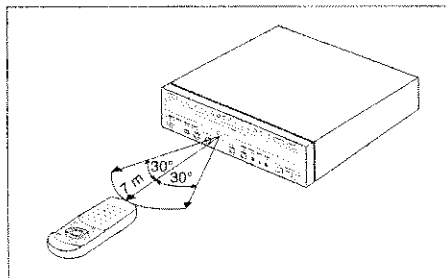
Always be sure to follow these guidelines:

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

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

Remote controllable range

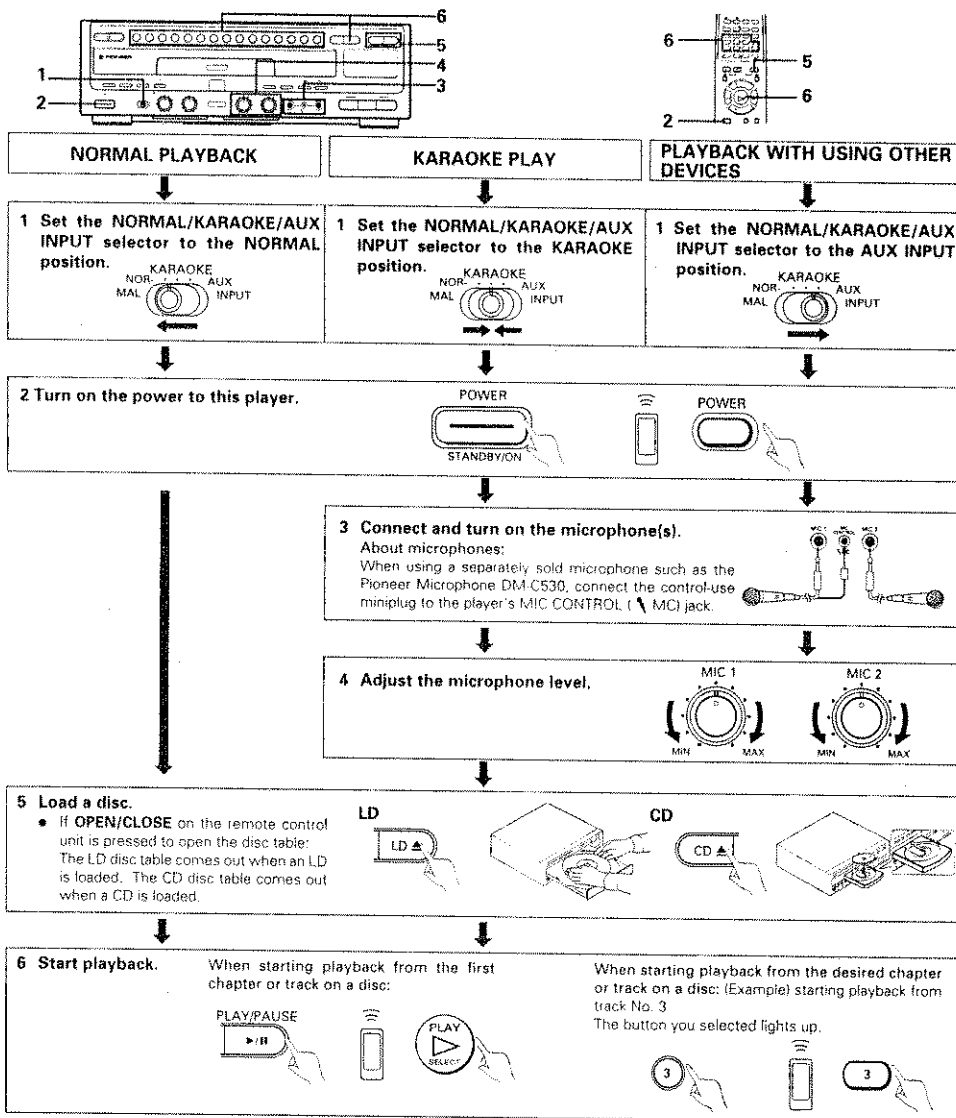
Angle: Within 30 degrees to the left and right of the center line
Distance: Less than 7 m



NOTES FOR USING THE REMOTE CONTROL UNIT:

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

TO PLAY AN LD, CDV OR CD



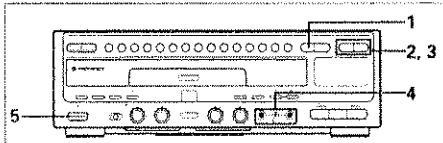
Operations indicated by the [] mark are performed with the remote control unit.

Precautions concerning disc loading

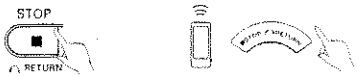
- Do not place more than one disc on the disc table. If two discs are placed one on top of the other on the disc table, discs may be scratched and/or a malfunction may occur.
- Playback is not possible unless the disc is placed properly.

TO PLAY AN LD, CDV OR CD

■ When KARAOKE play is finished



1 Press the STOP (■) button.



2 Press the OPEN/CLOSE (CD ▲/LD ▲) button.

- When OPEN/CLOSE on the remote control unit is pressed, the disc table on which a disc is loaded comes out.



3 Take out a disc and press the OPEN/CLOSE (CD ▲/LD ▲) button to close the disc table.

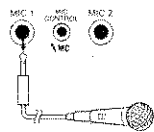
- Be sure to close the disc table completely.



4 (Except for normal playback)

Turn off the microphone(s) and unplug the microphone's plug from the MIC jack.

- With the microphone having the mini-plug for control, unplug the mini-plug for control first and then unplug the microphone's plug.



5 Turn off the power of the player.



Last Memory function

When the POWER switch is pressed to OFF during playback of a LD, the disc position slightly before the scene where the power is turned OFF is stored in memory. When the power is turned ON and the PLAY button is pressed later, the Last Memory function plays the disc from the scene which has been stored in memory.

- "LAST MEMORY" is displayed when this function operates.
- This function is canceled when the power cord is disconnected.

■ If some of the Direct music search buttons are pressed sequentially

- The last selected track is played back.
- Be sure to press the Direct music search button which corresponds to the chapter number or the track number.

■ To search for chapter or track number 10 or above

Use [+10] button.

(Example) To enter 17: [+10], [7]

To enter 30: [+10], [+10], [+10], [0]

■ If howl occurs

- Keep away the microphone from the speakers.
- Decrease the output level of the microphone by turning the MIC 1 or MIC 2 level control counterclockwise.
- Decrease the volume level by turning the VOLUME control of the amplifier counterclockwise.

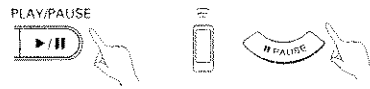
■ If sound distortion occurs

- Set the ATTENUATOR switch on the rear panel to the ON position. (See page 8, 9.)

■ About the microphone

- Clean the microphone's plug. If the plug is dirty, it may result in noise.
- Use a microphone for karaoke. If using the microphone not for karaoke, it may cause of insufficient volume level or howling.

■ To pause playback temporarily



Press ►/|| or PAUSE || again to resume playback.

■ To select a song on the other side (For two-sided LDs)

Specify side A or side B with DISC SIDE A or B and then select a song using the Direct music search buttons.

■ To specify and play a single side (side A or side B)

To play side A only, press DISC SIDE A instead of ►/||. Side A will be played and then playback will stop.

To play side B only, press DISC SIDE B instead of ►/||. Side B will be played and then playback will stop.

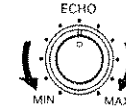
To avoid malfunctions, be especially careful about the following points.

- 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.

CONVENIENT FUNCTIONS FOR KARAOKE

To adjust the microphone echo level

In karaoke, AUX mode



Echo is increased by turning the control to the right and decreased by turning the control to the left.

To create a live atmosphere (Surround function)

In karaoke, normal, AUX mode



On screen displays for SURROUND

Lights	Function
THEATER	Theater
KARAOKE	Karaoke
MUSIC	Music
OFF	Surround off

Press the SURROUND button, then select THEATER, KARAOKE or MUSIC to create the desired atmosphere.

THEATER: Creates an atmosphere suitable for movie discs.

KARAOKE: Creates an atmosphere suitable for karaoke play.

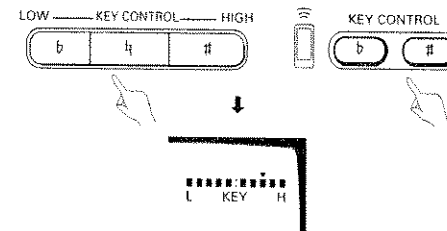
MUSIC: Creates an atmosphere suitable for music discs.

NOTE:

With discs whose volume level is excessive high, sound may be distorted when the surround function is activated. In this case, set SURROUND to OFF.

To set a desired pitch (Key control function)

In karaoke, AUX mode



: Pitch is heightened each time this button is pressed up to 5 steps from normal.

h : Pitch returns to normal.

b : Pitch is lowered each time this button is pressed (down to 5 steps from normal).

- The current pitch position is shown by the lit indicator.

NOTE:

Key control does not function when the NORMAL/KARAOKE/AUX INPUT selector is set to the NORMAL position.

To repeat a section to correct a singing mistake

Only in karaoke mode



This function can be operated with the microphone sold separately (Pioneer DM-C530).

Each time ONCE MORE is pressed, playback returns to a point a little earlier in the song.

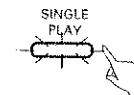
However, the position will not return to a point earlier than the beginning of the selected song.

When playback returns to the beginning of the selected song and pauses, press || or ONCE MORE to start playback.

- If you press ONCE MORE while the player is in pause mode, playback will resume. (Once more start function)

To play a single track

Only in karaoke mode



- The unit is in single play mode when the indicator is lit (on). You can playback continuously when the indicator is out (off).

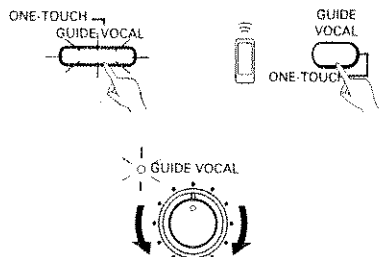
When you change the position of the NORMAL/KARAOKE/AUX INPUT selector, the initial settings are as follows:
KARAOKE: single play mode (indicator lights)

The single play mode is not available when the NORMAL/KARAOKE/AUX INPUT selector is set to NORMAL or AUX.

- The single play mode is activated automatically during SCORING (NORMAL/COMPETITION) and cannot be switched off.

CONVENIENT FUNCTIONS FOR KARAOKE

ONE-TOUCH GUIDE VOCAL— Suitable for karaoke practice by allowing you to hear the guide vocal (Available with karaoke LD)

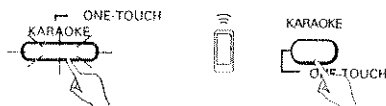


- If you want to hear the guide vocal (the vocal of a singer recorded as example), press the **ONE-TOUCH GUIDE VOCAL** button.

NOTES:

- The one-touch guide vocal function can be used only with discs containing the recording of guide vocal (audio multiplex discs). Do not press this button when playing other discs.
- While the indicator above the **GUIDE VOCAL volume** control is lit, the volume of the guide vocal can be adjusted by turning the control knob.
- In case the guide vocal is heard from the right channel or the guide vocal volume cannot be adjusted though the indicator above the **GUIDE VOCAL volume control** is lit, press the **ONE-TOUCH GUIDE VOCAL** button again. This will make it possible to adjust the guide vocal volume.

ONE-TOUCH KARAOKE — For karaoke singing with an ordinary disc by attenuating the recorded vocal (Available with LD only)

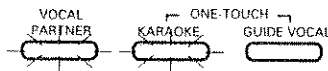


- If you want to sing karaoke along with an ordinary music disc, press the **ONE-TOUCH KARAOKE** button. The voice canceler is activated to attenuate the vocals of the singers.

NOTES:

- The one-touch karaoke function may have little effect with certain discs.
- In case the disc is a karaoke disc and the guide vocal is heard from the right channel, press the **ONE-TOUCH KARAOKE** button twice. This will mute the guide vocal.

VOCAL PARTNER — Convenient for karaoke singing of a song you cannot recall well by replacing the singer's voice with your own voice only while you sing (Available with LD only)



- The Vocal Partner function attenuates the singer's voice only while you sing into microphone.

This function is useful when you practice a new song or a song which should be sung alternately by two people.

- Press the **VOCAL PARTNER** button to attenuate the singer's voice while you sing.

NOTES:

- The singer's voice may not be attenuated so much with certain discs.
- While the indicator above the **GUIDE VOCAL volume** control is lit, the volume of the guide vocal can be adjusted by turning the control knob.
- In case the guide vocal is heard from the right channel or the singer's voice is not attenuated at all while you sing, press the **VOCAL PARTNER** button again.

When you sing into microphone, the singer's voice is attenuated.

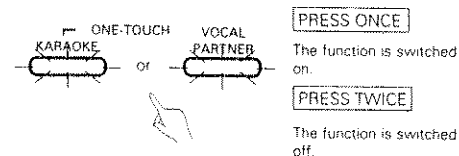
When you stop singing, the singer's vocal is heard at the normal level.

NOTE:

With certain discs, the **ONE-TOUCH GUIDE VOCAL**, **ONE-TOUCH KARAOKE** and **VOCAL PARTNER** functions may not be able to be switched off unless the button is pressed twice.

Karaoke singing with CD/VIDEO CD disc or AUX input

When stereo CD, VIDEO CD, or AUX audio input is used:

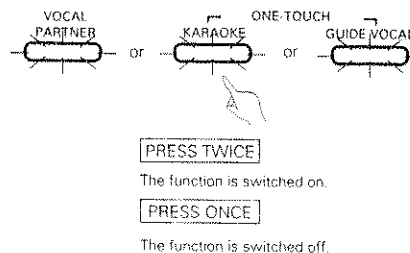


- Perform the same operation as with an LD (refer page 16). However, remember that the **ONE-TOUCH KARAOKE** and **VOCAL PARTNER** buttons are switched on when pressed once and off when pressed twice.

NOTE:

The **ONE-TOUCH GUIDE VOCAL** function is not available; do not press its button.

When karaoke audio multiplex CD, VIDEO CD or AUX audio input is used:



- If no operation is performed, the guide vocal is reproduced from the right channel. Be sure to use one of the following functions when karaoke singing is needed.

To listen to the guide vocal: Press the **ONE-TOUCH GUIDE VOCAL** button twice.

To attenuate the guide vocal: Press the **ONE-TOUCH KARAOKE** button twice.

To sing with the vocal partner: Press the **VOCAL PARTNER** button twice.

NOTE:

While the indicator above the **GUIDE VOCAL volume** control is lit, the volume of the guide vocal can be adjusted by turning the control knob.

NOTE:

With any of the **ONE-TOUCH GUIDE VOCAL**, **ONE-TOUCH KARAOKE** and **VOCAL PARTNER** functions, pressing the button once switches the function for stereo discs on, pressing it twice switches the function for audio multiplex discs on and pressing it 3 times switches the function off.

CONVENIENT FUNCTIONS FOR KARAOKE (SCORING-NORMAL)

Your karaoke song is scored compared with vocals recorded on the disc. When you finish singing karaoke, the score is displayed and then the bells are rung and cheers are heard according to the score.

1. Set the **NORMAL/KARAOKE/AUX INPUT** selector to the **KARAOKE** position.

2. Go to step 3 if the current disc is a **VIDEO CD** which is not compatible with **PBC**. If the current disc is a **PBC-compatible VIDEO CD**, press the **PLAYBACK CONTROL** button.

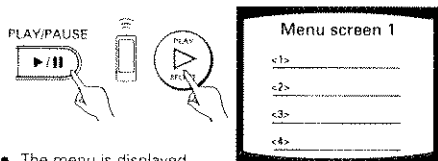


3. Press the **SCORING NORMAL** button.



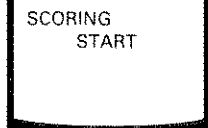
High score of the last time (When the power is turned off, the score returns to 0 point.)

4. Go to step 5 if the current disc is a **VIDEO CD** which is not compatible with **PBC**. If the current disc is a **PBC-compatible VIDEO CD**, press the **PLAY** button.



• The menu is displayed.

5. Select the karaoke song with the **Direct music search buttons**.



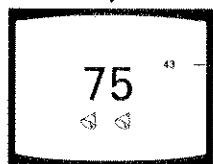
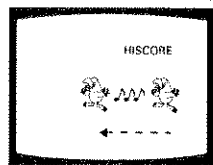
• When selecting songs, use the **Direct music search buttons** on the front panel or the **Digit buttons** on the remote control unit.

6. Sing a karaoke song.



The part where vocals are recorded ...
When singing karaoke in tune:
(move alternately)
When singing karaoke out of tune:
(move disorderly)

7. When you finish singing, the score is displayed.



When the score is better than before, the high score is renewed.

The bells are ringing, the number of the displayed bell:
less than 60 points : 0
more than 60 points : 1
more than 70 points : 2
more than 80 points : 3
Only when the high score is displayed, cheers are heard.

After several seconds, the player automatically returns to step 3. You can try another karaoke song repeating steps 3 and 4 or 5.

To return to normal karaoke mode:

- Press the **SCORING-NORMAL** button again.
- Press **CLEAR** on the remote control unit.

During scoring ...

- The fast-forward, fast-reverse, once more or key control function can be carried out.
- When the another karaoke song is selected, the previous score displayed on the screen is reset.
- The single play mode is activated automatically and cannot be switched off.

NOTES:

- The **SCORING** function can be used only when the **NORMAL/KARAOKE/AUX INPUT** selector is set to **KARAOKE**.
- During selecting the chapter or displaying the score, **PAUSE (II)**, **PLAY (▶)** and **SKIP (◀◀, ▶▶)** do not function.
- The following functions are not performed in scoring mode.
Repeat, Surround, Programming, Clear Scan, Time display on the screen, VOCAL PARTNER, ONE-TOUCH KARAOKE.
- Depending on the type of disc or song, it may not possible to correctly determine the musical interval (the difference in pitch between tones) of the vocals, even with karaoke discs, and it becomes difficult to obtain a high score. This is not a malfunction.
- If you sing during parts with no vocals, it is counted in scoring and you won't be able to see your actual score. On the other hand, the score will not be affected even if you do not sing along in sections containing vocals.
- Normal **PBC** operation may not be available with some discs, in such a case, switch off the **PLAYBACK CONTROL** function.

CONVENIENT FUNCTIONS FOR KARAOKE (SCORING COMPETITION)

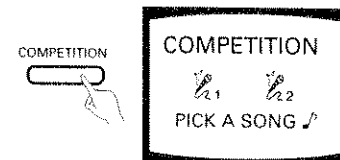
You can score your performances when singing duets.

1. Set the **NORMAL/KARAOKE/AUX INPUT** selector to the **KARAOKE** position. Plug microphones into **MIC 1** and **2** jacks and switch the microphones on.

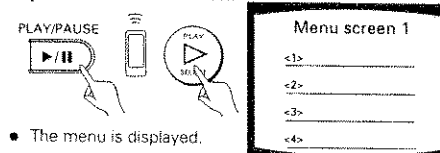
2. Go to step 3 if the current disc is a **VIDEO CD** which is not compatible with **PBC**. If the current disc is a **PBC-compatible VIDEO CD**, press the **PLAYBACK CONTROL** button.



3. Press the **SCORING COMPETITION** button.



4. Go to step 5 if the current disc is a **VIDEO CD** which is not compatible with **PBC**. If the current disc is a **PBC-compatible VIDEO CD**, press the **PLAY** button.



• The menu is displayed.

5. Select the karaoke song with the **Direct music search buttons**.



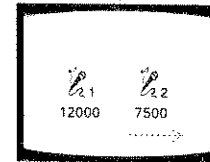
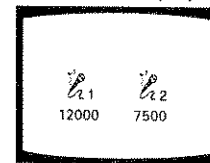
• When selecting songs, use the **Direct music search buttons** on the front panel or the **Digit buttons** on the remote control unit.

6. Start singing the duet.

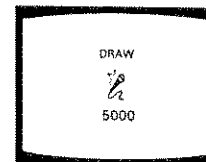


Scoring starts at 5000 points and increases or decreases in 100 point intervals.

7. When the song is over, the player enters pause mode and displays the scores for mics 1 and 2.



When the same score



The loser disappears off to the side of the screen (MIC 1 to the left, MIC 2 to the right). After the winner is announced, there is a round of applause.

After a few seconds, the display returns to step 3 and you can repeat steps 5 through 7.

To return to normal karaoke mode:

- Press the **SCORING COMPETITION** button again.
- Press **CLEAR** on the remote control unit.

During scoring ...

- The fast-forward, fast-reverse, once more or key control function can be carried out.
- When the another karaoke song is selected, the previous score displayed on the screen is reset.
- The single play mode is activated automatically and cannot be switched off.

NOTES:

- The **SCORING COMPETITION** function can be used only when the **NORMAL/KARAOKE/AUX INPUT** selector is set to **KARAOKE**.
- During selecting the chapter or displaying the score, **PAUSE (II)**, **PLAY (▶)** and **SKIP (◀◀, ▶▶)** do not function.
- The following functions are not performed in competition mode.
Repeat, Surround, Programming, Clear Scan, Time display on the screen, VOCAL PARTNER, ONE-TOUCH KARAOKE.
- Depending on the type of disc or song, it may not possible to correctly determine the musical interval (the difference in pitch between tones) of the vocals, even with karaoke discs, and it becomes difficult to obtain a high score. This is not a malfunction.
- If you sing during parts with no vocals, it is counted in scoring and you won't be able to see your actual score. On the other hand, the score will not be affected even if you do not sing along in sections containing vocals.
- Normal **PBC** operation may not be available with some discs; in such a case, switch off the **PLAYBACK CONTROL** function.

PLAYBACK OF VIDEO CD

Playback control (PBC) feature of VIDEO CD

- Some VIDEO CDs contain recording of the playback control (PBC) signal which allows to control the playback procedures while some Video CDs do not.
- A VIDEO CD containing the PBC signal can be played with a simplified interactive method using menu screens or using the search function.
- The PBC feature can be switched ON and OFF with the PBC button of the player.

<When PBC is OFF>

- A VIDEO CD containing the PBC can be played with the same procedures as playing a CD or LD.

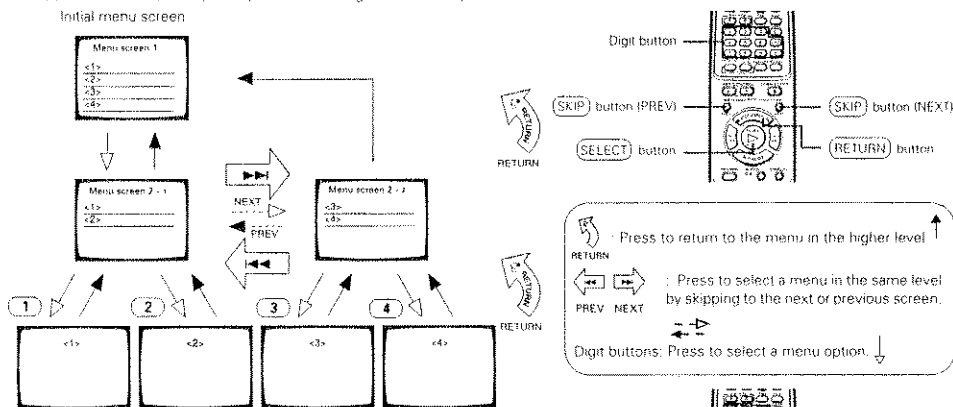
<When PBC is ON> Read <PBC operation example> below

- As the player is controlled based on the PBC signal recorded in the disc, the operating procedures and operations are variable depending on the disc. For details, refer to the instructions provided with the disc.
- Some of the player's functions may not be available when PBC is ON. For details, read page 21.

<PBC operation example> The following figures show the operating procedures of an ordinary karaoke disc

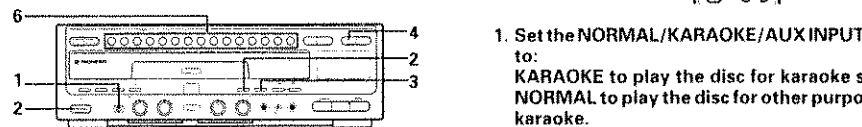
- The functions available with PBC and the high-definition still image are variable depending on the disc specifications.
- Use the RETURN, NEXT, PREV, SELECT and Digit buttons for operation.

Initial menu screen



Starting operation

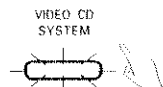
The following description deals with an ordinary karaoke disc. For details, read the instructions provided with the disc.



1. Set the NORMAL/KARAOKE/AUX INPUT selector to: **KARAOKE** to play the disc for karaoke singing. **NORMAL** to play the disc for other purposes than karaoke.

2. Switch on the powers of the player and TV monitor. Set the TV input function to the input to which the player is connected.

To switch the video output format to PAL, press the VIDEO CD SYSTEM button.



VIDEO CD SYSTEM

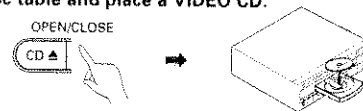
The signal format of the video output obtained by playing the VIDEO CD can be switched between NTSC/PAL.

- With the initial condition after the power is turned on (the indicator is not lit), the VIDEO-CD output signal is in the NTSC format. Press the VIDEO CD SYSTEM button to switch to the PAL format (the indicator is lit). This setting is held in memory unless the power cord is unplugged from the power outlet. (The video signals obtained from LD and CD discs do not have to be switched and can be left as the NTSC format.)

3. To switch the Playback Control ON, press the PBC button in stop mode.

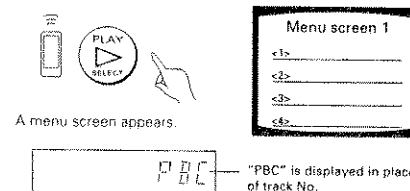


4. Press the CD OPEN/CLOSE button to open the disc table and place a VIDEO CD.



If you switched Playback Control OFF in step 3 above, go to step 6.

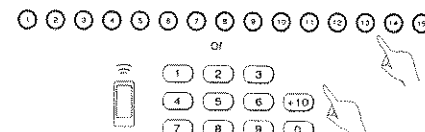
5. Press the PLAY/SELECT button.



- When there are several menu screens, press the NEXT (▶▶) button to go to the next menu screen.
- Press the PREV (◀◀) button to go back to the previous menu screen.

NOTE: When a PBC-compatible VIDEO CD is played, the Direct music search buttons are not accepted until a menu screen is displayed.

6. Select the menu item. Compose the item number with the direct music search buttons.



- ONE-TOUCH KARAOKE ... p. 16
- VOCAL PARTNER ... p. 16
- SCORING-NORMAL ... p. 18
- SCORING-COMPETITION ... p. 19

<General features>

- SKIP ... p. 23
 - Time Search ... p. 23
 - Scan (fast-forward/reverse) ... p. 23
 - STEP (Still frame, frame advance) (except for reverse) ... p. 23
 - Direct Search ... p. 24
 - PGM playback ... p. 24
 - REPEAT playback ... p. 25
- (Note that, with the A-B Repeat which repeats the specified section, sometimes the start and end points may not be located precisely.)

Playback Control operations

- To skip to the next or previous screen Press the desired SKIP button (PREV or NEXT).



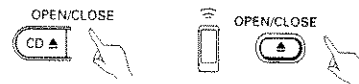
NOTE: These buttons may not function depending on discs.

- To return to the previous menu

Press STOP/RETURN



- To stop playback (Playback cannot be stopped by pressing the stop button.)



- Press the OPEN/CLOSE button or;
- press the PBC button to off or;
- select "Quit" from the menu screen.
- This is not available with certain discs.

NOTE: When the PLAYBACK CONTROL button is pressed during playback of a VIDEO CD, the playback is stopped.

- The following features are available when playing a VIDEO CD. For the operating procedures, refer to the page mentioned to the right of each feature.

- <Karaoke features>
 - ECHO level control ... p. 15
 - KEY CONTROL ... p. 15
 - SURROUND ... p. 15
 - ONCE MORE ... p. 15
 - ONE-TOUCH GUIDE VOCAL ... p. 16

- The following features are not available when playing a PBC-compatible VIDEO CD using the PBC function.

- SINGLE PLAY ... p. 15
- SKIP ... p. 23
- Time Search ... p. 23
- Direct Search ... p. 24
- PGM playback ... p. 24
- REPEAT playback ... p. 25

CONVENIENT FUNCTIONS FOR PLAYING AN LD, CDV, CD OR VIDEO CD

Audio switching

This function is carried out when the NORMAL/KARAOKE/AUX INPUT selector is set to the NORMAL position.



Switching audio

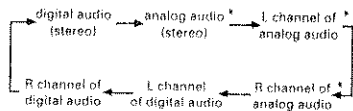
Each time **AUDIO D/A** is pressed during playback, audio output is switched. For example:

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

LD

LD with digital audio

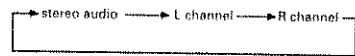
Audio source can be switched between digital audio, analog audio, L channel and R channel of stereo audio.



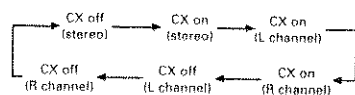
- When an AC-3 compatible disc is played and the analog audio is selected, all of the three kinds of audio marked * above will become 1/L monaural audio and "1/L ONLY" is displayed on the bottom left of the screen.

LD with analog audio

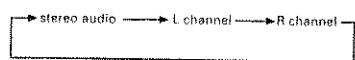
- With a disc encoded with CX auto-switching signals



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



CD, CDV, or VIDEO CD



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

Discs marked with the mark

Discs marked are recorded with the CX noise reduction system for powerful audio reproduction with little noise. (Analog 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 undulates when a disc with a mark is played, press **AUDIO D/A** on the remote control unit.

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

Automatic picture stop

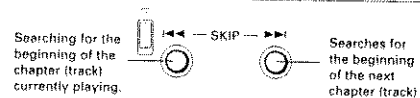
Some of CAV discs contain a recording of a special code called the "picture stop code", which turns normal play or slow play automatically into still frame display.

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

(▶ or II on the remote control unit cannot be used.)

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

LD/CDV/CD/VIDEO CD



Press a button repeatedly or hold it depressed; the chapters (tracks) will be skipped successively.

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

LD/VIDEO CD



Press repeatedly for frame-by-frame advance.

- Frame-by-frame advance in the reverse direction is not possible during playback of a VIDEO CD.

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

LD/CDV/CD/VIDEO CD



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

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

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

Clear Scan mode: The image may not fluctuate in this mode. (LD and video part of CDV only.)

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

TO SEARCH FOR A PARTICULAR TIME/FRAME

Frame Number Search/Time Number Search

LD/VIDEO CD

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

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

1. Press **CHP/TIME** during playback.
2. Enter the required frame number with the digit buttons (0 - 9).
3. Press **▶/II** or **PLAY ▶**.

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

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

Notes on searching for a chapter/track:

- If you make a mistake in pressing the digit buttons, press **CLEAR** and press the correct digit buttons.

Time Number Search (CLV/VIDEO CD)

– Example: To search for the scene located at 12 min. 34 sec

1. Press **CHP/TIME** during playback.
2. Enter **1**, **2**, **3** and **4** with the digit buttons.
3. Press **▶/II** or **PLAY ▶**.

CAUTION:

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

- The **10** button does not function.
- Chapter time search is not available during PBC playback of a VIDEO CD.

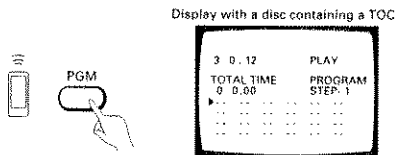
To exit search mode:

Press **CLEAR**. Normal playback starts.

TO PLAY ONLY DESIRED SCENES/TRACKS – Program Playback

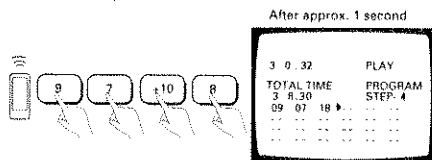
Selected chapters (LD) or tracks (CDV/CD/VIDEO CD) can be played in any desired order (max. 24 chapters or tracks).

1. Press PGM.



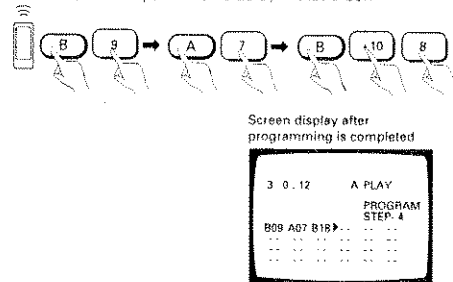
2. Enter the track No. with the DIRECT MUSIC SEARCH buttons on the front panel or with the digit buttons on the remote control unit.

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



With two-sided LDs, first specify side A or side B with DISC SIDE A or B and then enter the number of the desired chapter with the digit buttons.

Example: To program chapter 9 on side B, chapter 7 on side A, and chapter 18 on side B, in that order.

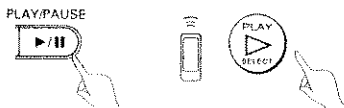


A pause between tracks/chapters can also be programmed by pressing **PAUSE II** instead of the digit buttons.

If you make a mistake during entry:

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

3. Press ►/II or PLAY ►.



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

To check the program contents

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

To modify the program contents

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

1. Press PGM.

2. Press CLEAR.

Each press of the button clears the currently last chapter/track in the program.

- It is not possible to clear the chapter/track being played and the chapters/tracks located programmed them.

To clear the program playback

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

To clear the program contents:

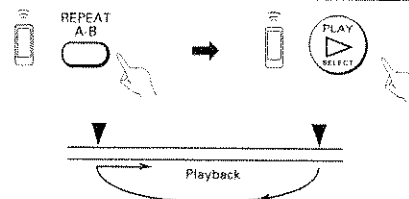
- Open the disc table.
- Press **CLEAR** in stop mode.

NOTES:

- The program playback function is not available when playing a PBC-compatible VIDEO CD using the PBC function.

TO REPEATEDLY PLAY A DESIRED PASSAGE – Repeat Playback

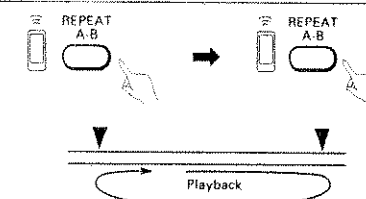
Memory Repeat – To specify a point to return to later



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

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

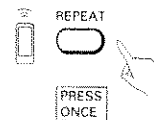
A-B Repeat – To repeat a specified section



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

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

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



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

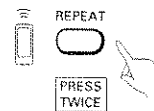
Program Repeat – To repeat a program

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

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

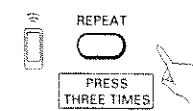
- See page 24 for details on programming.

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



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

Two-Side Repeat – To repeat both side of a disc



Press **REPEAT** on the remote control unit three times. Sides A and B are played back repeatedly. "REPEAT ALL" appears on the monitor screen.

To exit repeat mode:

Press **CLEAR** on the remote control unit.

To specify a different point in Memory Repeat mode:

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

NOTE:

The repeat playback function is not available when playing a PBC-compatible VIDEO CD using the PBC function.

Memory Repeat and A-B Repeat with CDV discs:

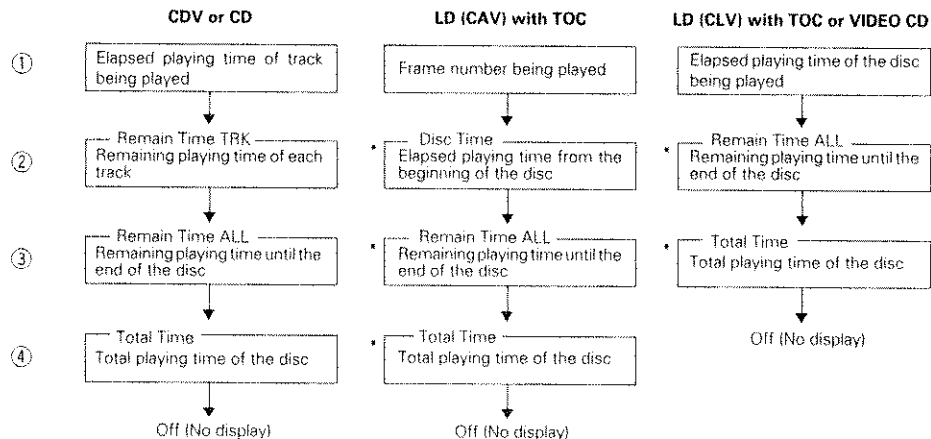
These repeat functions can only be carried out within the video part or within the audio part, and cannot be carried out between the two parts.

With LDs which have no chapter numbers:

Chapter repeat cannot be carried out.

DISPLAY SWITCHING

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



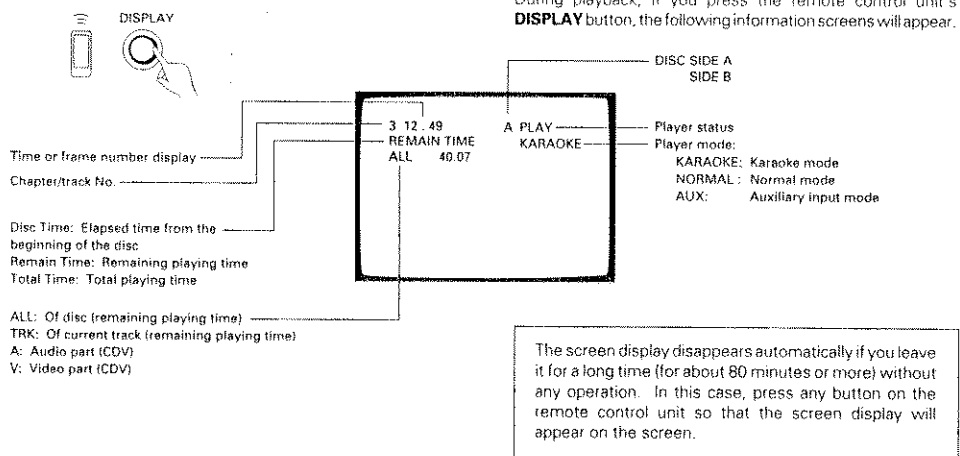
LD discs without TOC:

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

NOTE:

Even with a disc containing the TOC, the information marked * is not available if the disc is played in the normal mode.

During playback, if you press the remote control unit's **DISPLAY** button, the following information screens will appear.



TROUBLESHOOTING

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

Common to LD and CD

	Symptom	Possible Causes	Reference Page
Operation	1. The disc comes out even when the disc table is closed.	<ul style="list-style-type: none"> The disc is dirty or warped. The disc is not placed properly on the disc table. Condensation formed inside the player. 	p. 7 p. 6 p. 5
	2. The player pauses automatically.	<ul style="list-style-type: none"> The SINGLE PLAY button is pressed to on. 	p. 15
Remote control	3. Remote control operation is not possible.	<ul style="list-style-type: none"> The control input jacks are in use. The remote control unit is too far from the player. The batteries are exhausted. 	p. 8, 9 p. 12 p. 12
	4. Improper operation of TV set, etc., occurs.	<ul style="list-style-type: none"> Improper operation may occur with some TV sets. 	
Audio	5. Audio is not output or distorted.	<ul style="list-style-type: none"> The connection between the player and amplifier is erroneous or the plugs are not inserted fully into the jacks. The connection plug of the jack is dirty. The player is in pause mode. A wrong input is selected on the amplifier. 	p. 8, 9 p. 14
		<ul style="list-style-type: none"> The audio output is connected to the PHONO input jacks of the amplifier. 	p. 8, 9

LD

	Symptom	Possible Causes	Reference Page
Operation	6. Chinese characters appear on the screen.	<ul style="list-style-type: none"> Turn the power off and unplug the AC power cord. Then, plug the AC power cord back in and turn the power on again. 	
Video, picture quality	7. TV programs cannot be viewed.	<ul style="list-style-type: none"> The input selector of the TV is not set properly. 	
	8. The video cannot be viewed, the picture quality is poor or noise interferes with the video.	<ul style="list-style-type: none"> The disc is dirty or warped. The power of the TV is turned off. The attenuator switch is set to off. The connection is erroneous or the plugs are not inserted fully into the jacks. 	p. 7 p. 8, 9
	9. A part of the still frame image shakes.	<ul style="list-style-type: none"> The still frame image may shake if it shows a dynamic scene. 	p. 23
Audio	10. Audio sound is undulating.	<ul style="list-style-type: none"> A disc which does not carry the CX mark is played while the CX system is ON. 	p. 22
	11. Audio is not output.	<ul style="list-style-type: none"> The player is in the still frame or frame-by-frame advance mode. 	p. 23
Skip search	12. Skip, programming and search operations do not function properly.	<ul style="list-style-type: none"> The disc does not contain chapter number information. (The functions utilizing the chapter numbers cannot be used in this case.) 	p. 23, 24
	13. The search takes a long time (more than 40 seconds).	<ul style="list-style-type: none"> Some discs require much time for readout of data. 	
	14. The start takes time.	<ul style="list-style-type: none"> Some discs tend to cause subcode readout error. (This is not a malfunction.) Try pressing the stop and play buttons repeatedly to stop and restart playback. This repetition may sometimes make normal playback possible. 	
	15. A different time number than specified is searched.	<ul style="list-style-type: none"> Some discs tend to cause subcode readout error. (This is not a malfunction.) 	

TROUBLESHOOTING

CD

	Symptom	Possible Causes	Reference Page
Operation	16. Playback stops immediately after it has been started.	<ul style="list-style-type: none"> The disc is dirty. The disc is not placed upside down. The disc is not placed properly on the disc table. 	<p>p. 7</p> <p>p. 6</p>

VIDEO CD

	Symptom	Possible Causes	Reference Page
Operation	17. Play Back Control is not activated even when a PBC-compatible VIDEO CD is played.	<ul style="list-style-type: none"> The auto PBC play mode is OFF. 	p. 21
	18. Even when a PBC-compatible VIDEO CD is played, the menu is not displayed or the high-definition still image cannot be displayed.	<ul style="list-style-type: none"> The PLAYBACK CONTROL button was not pressed. 	
	19. The single play, skip, direct search, normal search, programming, repeat and/or backward frame play functions do not work.	<ul style="list-style-type: none"> These functions are not available when playing a PBC-compatible VIDEO CD. 	
	20. The start positions of the part repeat and time search functions are not correct.	<ul style="list-style-type: none"> When playing a VIDEO CD, it is not possible to start these operations from the correct position. 	
	21. Playback cannot be stopped by pressing the stop/return button.	<ul style="list-style-type: none"> Playback cannot be stopped with this button when playing a PBC-compatible CD. 	
	22. The fast forward and backward operations are not like those with LD.	<ul style="list-style-type: none"> As the VIDEO CD plays video and audio using a digital signal compression technique (MPEG system), the intervals and speeds of the fast forward and backward operations are not identical to the LD. 	
	23. The track number and time cannot be displayed by pressing the screen display button.	<ul style="list-style-type: none"> The on-screen display is not available when playing a PBC-compatible VIDEO CD. 	
	24. The picture streams vertically or no color is displayed.	<ul style="list-style-type: none"> Set the VIDEO CD SYSTEM button according to the TV set in use. 	p. 20
Video, audio	25. The picture and sound qualities are inferior to those of LD.	<ul style="list-style-type: none"> The VIDEO CD provides an equivalent video quality to VHS tapes and equivalent audio quality to MD discs; these qualities are different from the LD discs. 	
	26. Video and/or audio are interrupted or interfered with noise.	<ul style="list-style-type: none"> The disc may be dirty or scratched. Such a trouble may occur with certain discs in which wrong data recorded. (This is not a malfunction of the player.) 	p. 7
Disc	27. Playback starts automatically while you do not perform any operation.	<ul style="list-style-type: none"> The operation which occur when a PBC-compatible VIDEO CD is played is variable depending on discs; some discs may start playback if no operation is performed against the menu screen, some may play the same scene repeatedly and some may stop in the middle of playback and will not go on to the next scene until a certain time has elapsed. 	

Karaoke function

	Symptom	Possible Causes	Reference Page
Audio	28. Sound is not produced.	<ul style="list-style-type: none"> The NORMAL/KARAOKE/AUX INPUT selector is set to AUX. 	p. 13
	29. Sound is distorted.	<ul style="list-style-type: none"> The ATTENUATOR switch is set to OFF. 	p. 8, 9
	30. The vocals are not produced when an audio multiplex disc is played.	<ul style="list-style-type: none"> The NORMAL/KARAOKE/AUX INPUT selector is not set to KARAOKE. The ONE-TOUCH GUIDE VOCAL button is not switched on. The GUIDE VOCAL volume control is set to the minimum position. 	p. 13
	31. The GUIDE VOCAL volume cannot be adjusted.	<ul style="list-style-type: none"> The NORMAL/KARAOKE/AUX INPUT selector is set to NORMAL. The ONE-TOUCH GUIDE VOCAL button is not switched on. 	p. 16
	32. The vocal volume is reduced when the ONE-TOUCH KARAOKE button is pressed.	<ul style="list-style-type: none"> The volume of vocals which are not located in the center position cannot be reduced. 	p. 16
Operation	33. The player does not pause after having played a track.	<ul style="list-style-type: none"> The NORMAL/KARAOKE/AUX INPUT selector is set to NORMAL or AUX. The SINGLE PLAY button is not switched on. 	p. 15
	34. The player pauses automatically.	<ul style="list-style-type: none"> The SINGLE PLAY button is pressed to on. 	
	35. The karaoke controls such as the KEY CONTROL, microphone inputs and ONE-TOUCH KARAOKE cannot be operated.	<ul style="list-style-type: none"> The NORMAL/KARAOKE/AUX INPUT selector is set to NORMAL. 	
	36. The KEY CONTROL and ONCE MORE cannot be operated from the microphone.	<ul style="list-style-type: none"> The microphone is not connected to the MIC CONTROL jack. The switch on the microphone is not on. 	p. 13

Scoring function

	Symptom	Possible Causes	Reference Page
Operation	37. ONE-TOUCH KARAOKE, Vocal Partner, programming, repeating and surround functions cannot be used.	<ul style="list-style-type: none"> These functions are not available in scoring. 	
	38. The scoring mode cannot be activated.	<ul style="list-style-type: none"> The NORMAL/KARAOKE/AUX INPUT selector is not set to KARAOKE. The SCORING NORMAL or COMPETITION button is not switched on. 	
	39. The scoring is not accurate.	<ul style="list-style-type: none"> The notes in your vocals may sometimes not be sampled accurately depending on the disc type or the tune. If you sing during parts with no vocals, it is counted in scoring and the score will be degraded. 	

CAUTION:

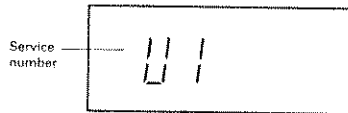
Abnormal functioning of this unit may be caused by static electricity, or other external interference. To restore normal operation, unplug the AC power cord and then plug it in again.

TROUBLESHOOTING

When troubles occur:

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

Display window of the player



TV screen



Service number	Condition of the player	Remedy
U 1 U 2	<ul style="list-style-type: none"> The disc is not loaded properly on the disc table. Or, the disc is dirty. 	<ul style="list-style-type: none"> Reload a disc along the disc guide groove on the disc table. Wipe the disc with a soft cloth. Open the disc table and press ► again.
F 5 P 2 L 3 E 4	<ul style="list-style-type: none"> Two discs are loaded on the disc table. Or, the disc is dirty. <p>(The displayed number after P, F, L, and E differs depending on the condition of the player.)</p>	<ul style="list-style-type: none"> Load only one disc on the disc table. Wipe the disc with a soft cloth. Open the disc table and press ► again. If the same service number is displayed, the player is in abnormal condition. When requesting servicing, please mention the displayed number on the display window of the player or on the TV screen (for example, "service number E 4").
H 0 J 1 H 1 J 2 H 2 J 3	<ul style="list-style-type: none"> The player is in abnormal condition. 	<ul style="list-style-type: none"> When requesting servicing, please mention the displayed number on the display window of the player or on the TV screen (for example, "service number H 1").

SPECIFICATIONS

General

System LaserVision Disc system and Compact Disc digital audio system
 Laser Semiconductor laser wavelength 780 nm
 Power requirements AC 110 - 127/220 - 240 V, 50/60 Hz
 Power consumption 38 W
 Weight 6.8 kg
 Dimensions 420 (W) x 412 (D) x 132 (H) mm
 Operating temperature +5 °C ~ +35 °C
 Operating humidity 5 % ~ 85 %
 (There should be no condensation of moisture.)

Video characteristics (two pairs)

Format NTSC specifications
 PAL (VIDEO CD only)
 Video output
 Level 1 Vp-p nominal, sync. negative, terminated
 Impedance 75 unbalanced
 Jack RCA jack

Audio characteristics (two pairs)

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

Other terminals

Control input/output Both miniature jacks
 AUX RCA jacks
 AC-3 · RF OUT PUT RCA jack

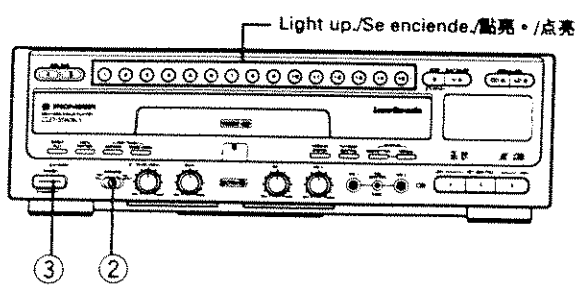
Accessories

Remote control unit 1
 Size "AAA" (IEC R03) dry cell batteries 2
 Video cord 1
 Audio cord 1
 Power cord 1
 Operating instructions 1

NOTE:

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

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About DEMO mode

The demonstration mode allows to see how the SCORING NORMAL and COMPETITION functions score vocals.

- ① **Turn on the power of the TV connected to this player.**
Set the input selector of the TV to the player input (VTR, VCR, VD, etc.).
- ② **Set the NORMAL/KARAOKE/AUX INPUT selector to the KARAOKE position.**
- ③ **Turn on the power of the player by pressing the POWER button.**
When you turn on the power, the track select buttons on the main unit light up.

To cancel DEMO mode

- Press one of the operation buttons on this player. The display of DEMO mode is cancelled.
- In step 2, if the **NORMAL/KARAOKE/AUX INPUT** selector is set to the NORMAL position and the power is turned on, the player will not enter DEMO mode.

When using the Projection Monitor, do not leave the DEMO display on the screen for an extended period of time. The TV screen may be damaged.

Acerca del modo DEMO

El modo de demostración le permite ver cómo puntúa su voz en las funciones SCORING NORMAL y COMPETITION.

- ① **Conecte la alimentación del televisor conectado a este reproductor.**
Ponga el selector de entrada del televisor en la posición correspondiente a la entrada del reproductor (VTR, VCR, VD, etc.).
- ② **Ponga el selector NORMAL/KARAOKE/AUX INPUT en la posición KARAOKE.**
- ③ **Conecte la alimentación del reproductor pulsando el botón POWER.**
Cuando conecte la alimentación, los botones selectores de pistas de la unidad principal se encenderán.

Para cancelar el modo DEMO

- Pulse uno de los botones de operación de este reproductor. La visualización del modo DEMO se cancelará.
- En el paso 2, si se pone el selector **NORMAL/KARAOKE/AUX INPUT** en la posición NORMAL y se conecta la alimentación, el reproductor no entrará en el modo DEMO.

Cuando utilice el monitor de proyección, no deje la visualización DEMO en la pantalla durante mucho tiempo. La pantalla del televisor podría estropearse.

有關示範 [DEMO] 模式

示範模式讓您能夠看到評分方式 SCORING NORMAL 和 COMPETITION 如何測試您的歌聲。

- ① 將與本播放機連接著的電視機之電源開關打開。
將電視機的輸入選擇開關設定至收音輸入 (VTR · VCR · VD 等)。
- ② 將 **NORMAL/KARAOKE/AUX INPUT** 設定至 **KARAOKE** 位置。
- ③ 按電源開關鍵 **POWER** 將機器的電源打開。
當您打開電源時，主機上的曲目選擇按鍵點亮。

取消示範 [DEMO] 模式

- 按下本播放機的任何操作按鍵，示範 [DEMO] 模式的顯示便被取消。
- 在步驟2中，如果 **NORMAL/KARAOKE/AUX INPUT** 設定在 **NORMAL** 位置，且電源為關的狀態下，機器將不會進入示範 [DEMO] 模式。

當使用投影電視機時，請勿將 DEMO 長時間地顯示於顯示幕上。以防止電視螢幕受到損害。

有关示范 [DEMO] 模式

示范模式让您能够看得到评分方式 SCORING NORMAL 和 COMPETITION 如何测试您的歌声。

< 如果英语出现在显示屏幕上 >

- ① 将与本播放机连接的电视机之电源开关打开。
将电视机的输入选择开关设定至收音输入 (VTR · VCR · VD 等)。
- ② 将 **NORMAL/KARAOKE/AUX INPUT** 设定至 **KARAOKE** 位置。
- ③ 按电源开关键 **POWER** 将机器的电源打开。
当您打开电源时，主机上的曲目选择按鍵点亮。

取消示范 [DEMO] 模式

- 按下本播放机的任何操作按鍵，示范 [DEMO] 模式的显示便被取消。
- 在步骤2中，如果 **NORMAL/KARAOKE/AUX INPUT** 设定在 **NORMAL** 位置，且电源为开的状态下，机器将不会进入示范 [DEMO] 模式。

当使用投影电视机时，请勿将 DEMO 长时间地显示于显示屏上，以防止电视屏幕受到损害。

< 如果简化字出现在显示屏幕上 >

- ① 将与本播放机连接著的电视机之电源开关打开。
将电视机的输入选择开关设定至收音输入 (VTR · VCR · VD 等)。
- ② 按下停止 (STOP) 按鍵不放，再按下电源 (POWER) 按鍵。
当您打开电源时，主机上的曲目选择按鍵点亮。

如何解除演示模式

关上电源，然后按下停止 (STOP) 按鍵不放，再按下电源 (POWER) 按鍵。

留意：

即使您关闭电源，显示屏幕上的简化字也能保存下来。

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PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan

PIONEER ELECTRONICS [USA] INC. P.O. BOX 1540, Long Beach, California 90801-1540

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: 03/570.05.11

PIONEER ELECTRONICS AUSTRALIA PTY. LTD. 178-184 Boundary Road, Braeside, Victoria 3195, Australia, TEL: (03) 9586-6300

PIONEER ELECTRONICS DE MEXICO S.A. DE C.V. San Lorenzo Num 1009 3er piso Desp. 302 Col. Dell Valle, Mexico D.F.C.P.03100 TEL: 5-688-52-90

先锋制造 (上海) 有限公司 上海外高桥保税区D6C-10A, 10B厂房, 10A1办公室 TEL: 86-21-5866-1491

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