

Operating Instructions

CD CDV LD PLAYER

CLD-V300

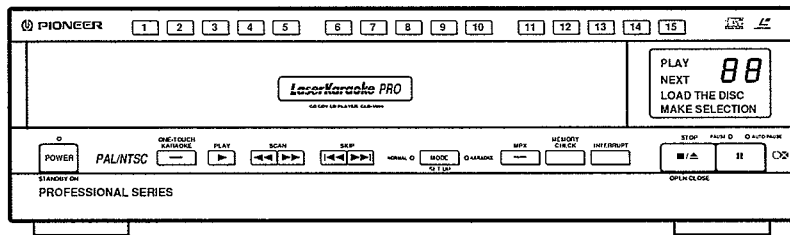
PAL/NTSC

LaserDisc™

LaserKaraoke

COMPACT
disc
DIGITAL AUDIO

L
LASER DISC



- CD-ROM/CD graphic discs cannot be played with this player.

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

PIONEER®
The Art of Entertainment

IMPORTANT



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

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

CAUTION:

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



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

IMPORTANT

FOR USE IN THE UNITED KINGDOM

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

Blue : Neutral
Brown : Live

If the plug provided is unsuitable for your socket outlets, the plug must be cut off and a suitable plug fitted.

The cut-off plug should be disposed of and must not be inserted into any 13 amp socket as this can result in electric shock. The plug or adaptor or the distribution panel should be provided with 5 amp fuse. As the colours of the wires in the mains lead of this appliance may not correspond with coloured markings 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.

Do not connect either wire to the earth terminal of a three pin plug.

NOTE

After replacing or changing a fuse, the fuse cover in the plug must be replaced with a fuse cover which corresponds to the colour of the insert in the base of the plug or the word that is embossed on the base of the plug, and the appliance must not be used without a fuse cover. If lost replacement fuse covers can be obtained from: your dealer.

Only 5 A fuses approved by B.S.I. or A.S.T.A to B.S. 1362 should be used.

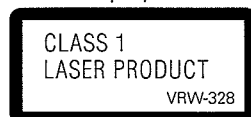
CAUTION

This product contains a laser diode of a 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.

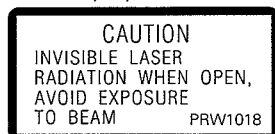
The following caution labels appear on your player.

Location:

On the rear panel
of the player



On the bonnet of
the player



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

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

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

The CX SYSTEM

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

This player is designed to read CX system ON/OFF signals recorded on the disc. The player will respond to these signals.

The CX system cannot be used when discs without the appropriate CX ON/OFF signals are played.

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

(LASERDISC SYSTEM)/(LaserVision Disc)*



This is the unified symbol mark of LASERDISC (LaserVision videodisc).

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

(Compact Disc)



(CD VIDEO SYSTEM)**



(8 cm Compact Disc)



** CD Videodiscs are recorded with subcodes, which are the non-audio recordings of TOC data such as track numbers, index numbers, etc. However, there are some discs without these marks.

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

FEATURES

High Durability Suitable For Commercial Use

A brushless motor is used as the spindle motor, ensuring high durability and long life.

Mid-disc Start-up System Reduces Tune Search Times

During standby in karaoke mode, the laser pickup waits at a position halfway between the innermost and outermost chapters/tracks of the karaoke disc (30-cm CLV), resulting in shorter search times.

Normal Mode Compatible With All Disc Types

In normal mode, this unit can play all types of LDs (30 cm, 20 cm), CDs (12 cm, 8 cm) and CDV discs. (However, CD-ROMs and CD Graphic discs cannot be played.)

Moreover, skip, scan and direct search functions can be used with all of these disc types. (However, frame number search and time number search are not available.)

Karaoke Functions

- Direct tune selection using the Direct Music Search Buttons (1 - 15).
- Compatible with Multiplex Audio Discs (NTSC system discs). (In karaoke mode only.)
- Five-tune memory, Memory check mode and Interrupt selection functions are provided (karaoke mode).
- Auto pause function automatically sets the player to pause mode at the beginning of the selected tune.
- Half open function automatically ejects the disc table after all preset tunes finish playing (karaoke mode).
- One-touch karaoke function reduces the vocals on regular songs for karaoke use. (normal mode).

Karaoke Parrot Performs Between Tunes

When no tunes are selected, the Karaoke Parrot appears on the television screen along with the LaserKaraoke and PIONEER logos. This interim performance can be turned on and off as desired (when turned off, a black screen is displayed (no sync signal)).

Alternate Play With Two Players

Connecting two players to the specific Pioneer stereo mixing amplifier allows you to play them alternately.

Non-volatile Memory System Holds Settings Even When Power Is Off

The player's memory keeps memorized settings safe even when the power cord is unplugged.

NTSC → PAL System Conversion

NTSC discs can be played back onto a PAL colour TV.

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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 present), retract the disc table to its closed position, turn the power off, and, after the "00" goes off 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.
- 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.

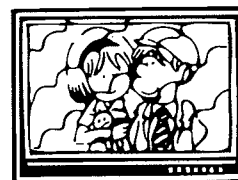
CAUTIONS FOR AUTOMATIC LOADING OPERATIONS

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

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.

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 the summer, if the player is exposed to the breeze from an air conditioner. In such a case, 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 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 solution of household detergent diluted using 1 part detergent to five or six parts water; wring well first and wipe. Use a dry cloth to wipe it dry. Do not use any volatile agents such as benzine or paint thinner, as they may damage the surface of the player.

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

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).

CDV/CD GLOSSARY

Track number

Track numbers indicate the boundaries of the sections, or "tracks", on a disc. Track numbers are assigned consistently throughout the audio part and video part of a CDV disc. Track numbers can be used to search for desired tracks (Track Search).

TOC

Every CD/CDV-type disc is provided with a section called the 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 not provided with a TOC section.

LD DISCS

This unit 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 active play discs and long play discs.

• ACTIVE/STANDARD PLAY (CAV) DISCS

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

NOTE:

This unit cannot perform multispeed playback even with Active Play/Standard Play Discs.

• LONG/EXTENDED PLAY (CLV) DISCS

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

LASERVISION MULTI AUDIO DISCS WITH DIGITAL AUDIO

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

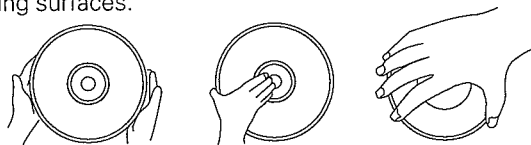
digital AUDIO and MULTI AUDIO or **digital SOUND MULTI AUDIO**

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

CARE OF DISCS

How to hold discs

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



Cleaning

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

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



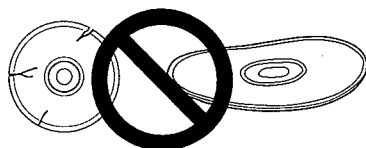
Do not wipe in a circular direction.

Gently wipe from the inside toward the outer edge.

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



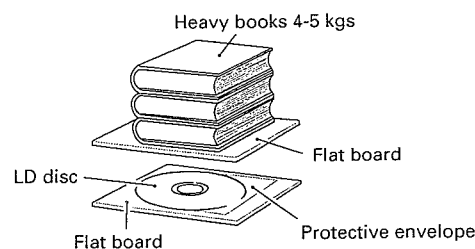
After using discs, store them upright

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



CAUTION WHEN USING THE DISC

All rights reserved.

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

CONNECTIONS

INSTALLATION

In LaserDisc Player, a lens is used for highly accurate signal processing with a laser beam.

A stained lens may cause:

Deterioration of picture quality, noise, and frame or sound skip.

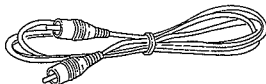
Lens stains differ depending on location. Install the player taking the following into account:

1. **Avoid installation places near a kitchen, where the unit may be subject to oily smoke, steam or heat.**
2. **Locate the player as far as possible away from moisturizers.**
3. **Ensure sufficient ventilation in rooms with dust and cigarette smoke.**

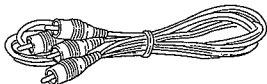
The lens needs cleaning just like camera lenses and eyeglasses. For cleaning of the lens, consult your authorized dealer or PIONEER service center.

ACCESSORIES

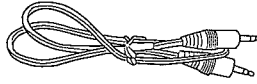
- Video cable



- Audio cable



- Control cable



- Operating instructions

USING TELEVISION WITH AUDIO AND VIDEO JACKS

Monitor television connections

Connect the VIDEO OUT jack of the player to the video input jack of the monitor television.

- The television speakers can 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.

USING STEREO AUDIO SYSTEM

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

NOTE:

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

USING PIONEER STEREO MIXING AMPLIFIER (models SA-V210, SA-V220, SA-V240)

When connecting a PIONEER stereo mixing amplifier and this player, alternating playback is possible between the two players. (Refer to page 18.)

- Connect the AUDIO OUT jacks of the first player to the AUDIO INPUT LASERDISC jacks of the stereo mixing amplifier. Connect the VIDEO OUT jack of the first player to the VISUAL INPUT LASERDISC jack of the stereo mixing amplifier.
- Connect the AUDIO OUT jacks of the second player to the AUDIO INPUT VCR jacks of the stereo mixing amplifier. Connect the VIDEO OUT jack of the second player to the VISUAL INPUT VCR/CAMERA jack of the stereo mixing amplifier.
- Connect the TO ANOTHER PLAYER jacks of the two players with the control cable.
- Select the alternate play mode on each player. (Refer to page 9.)

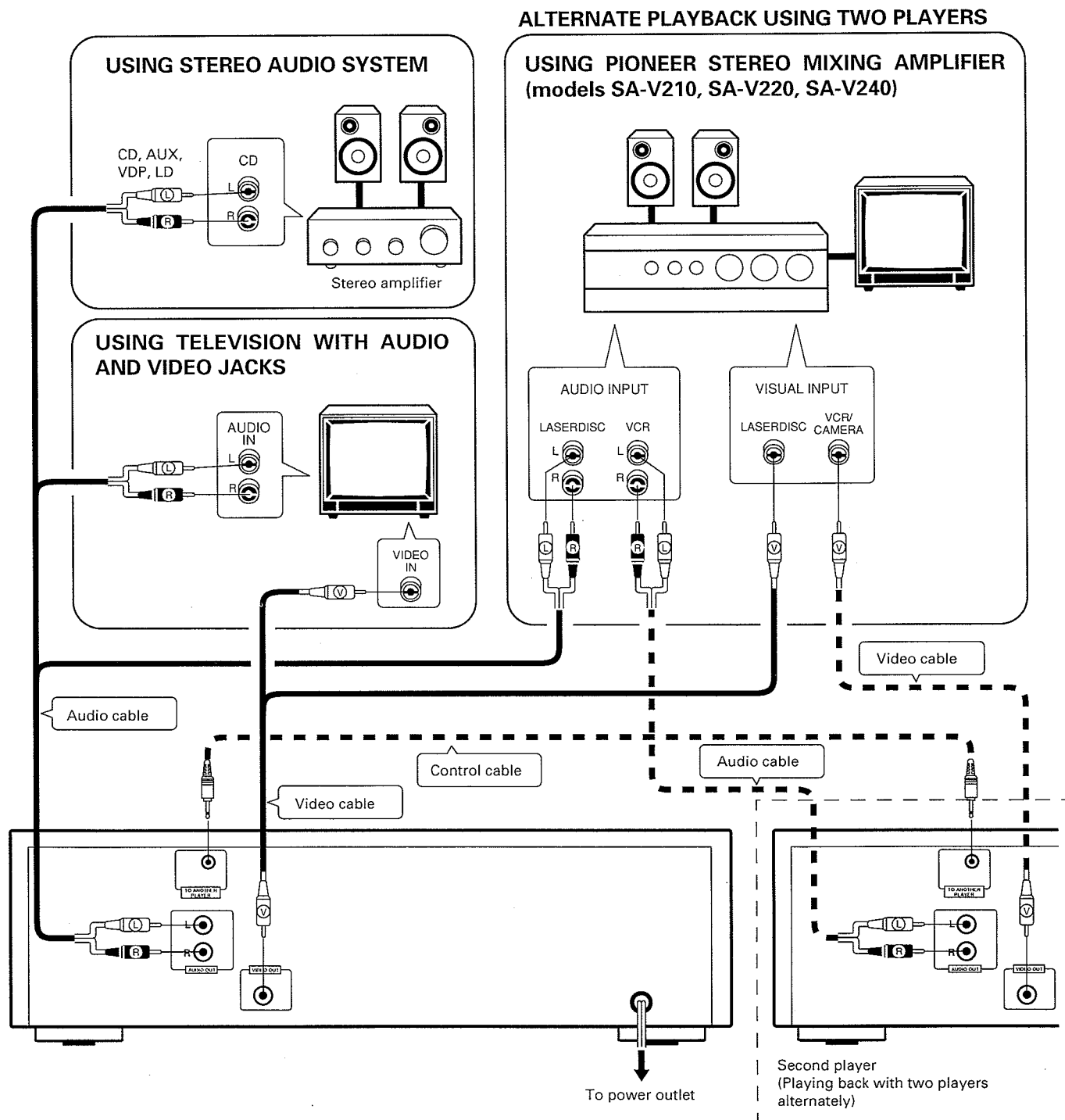
NOTE:

When this player is connected to the LASERDISC jacks and another component (VCR, etc.) is connected to the VCR jacks of the stereo mixing amplifier and the component connected to the VCR jacks is used for "BGV" (BGM), "Display During Interval Between Songs" on this player must be set to OFF.

Power cord connections

Connect the power cord to an AC wall outlet after connecting all components.

- Connect the power cord after all other connections are connected.



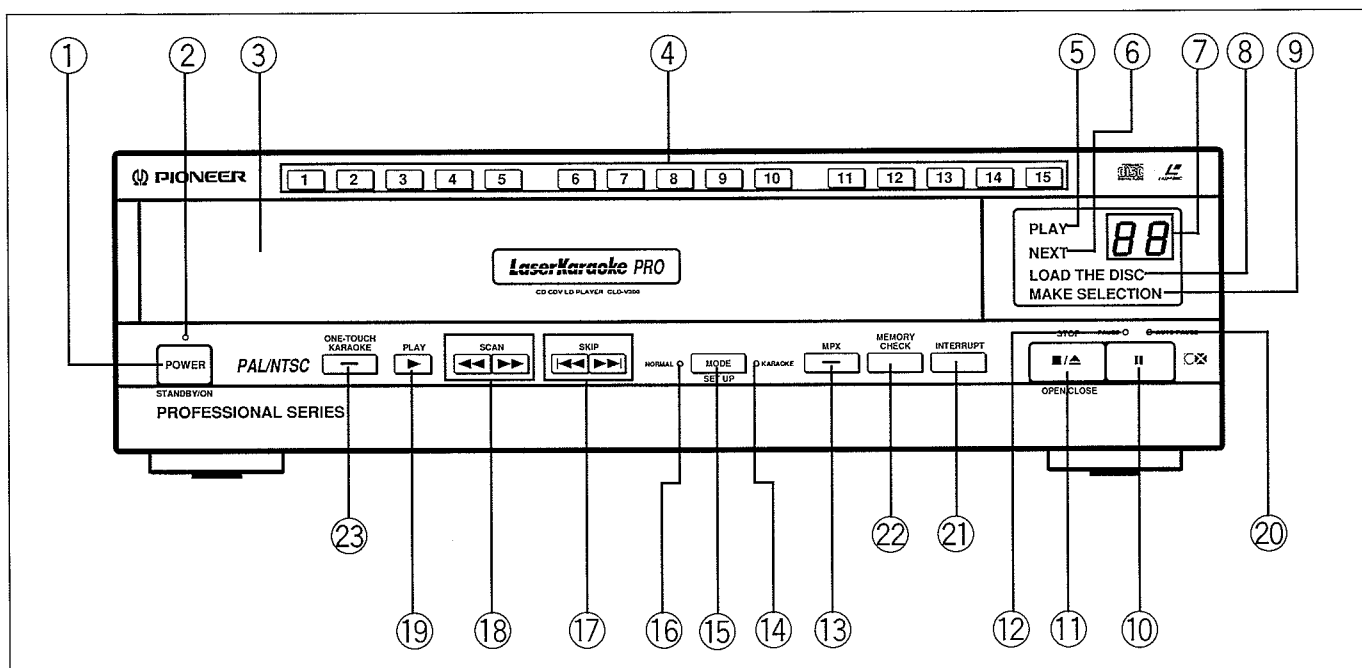
NOTE:

Make sure not to connect the power plug for this player in series with the amplifier or other appliance (so that turning off the amplifier, etc. will turn off the player as well).

When the power to this player is cut by switching off the power through the amplifier or by simply pulling out the power plug, the disc anti-warp mechanism will not operate. Turning the power off by any means other than pushing the player power button may damage your disc.

When alternate playback is performed using two players, connect the players correctly to PIONEER stereo mixing amplifier as shown above. Two players must be connected to the same amplifier. If they are connected to the different amplifiers, the alternate playback cannot be carried out properly.

NAMES AND FUNCTIONS OF FRONT PANEL COMPONENTS



① POWER STANDBY/ON switch

Press to turn the power on and off.

- When the player is connected to an electrical socket and the power switch on the front panel is switched off, the machine will remain in standby mode. In standby mode, the disc anti-warpage mechanism is activated to protect the disc.

② STANDBY indicator

Lights up when the power is turned off.

③ Disc table ... p. 12, 16

④ Direct music search buttons (1 - 15) ... p. 13

Press these buttons to select the playing chapters.

⑤ PLAY indicator

Lights up in playback or pause mode. Blinks while reading TOC or search operation. When the alternate play is carried out with the two players, this indicator on the player which is in playback standby mode goes off.

⑥ NEXT indicator

Lights up if chapters being played are stored in the player in Karaoke mode and blinks in Interrupt selection mode. When karaoke playback is alternately carried out with two players, this indicator on the player which is in playback standby mode lights up.

⑦ Selection number indicator

Displays the chapter number being played. The order and numbers of stored chapters to be played are displayed alternately in Memory check mode. Also, the chapter number which will be temporarily inserted is displayed in Interrupt selection mode.

⑧ LOAD THE DISC indicator

Lights up when a disc is not loaded.

⑨ MAKE SELECTION indicator

Lights up during normal playback or when the chapter selection is possible in Karaoke mode. Blinks in Karaoke mode when the player is set to Interrupt selection mode or in Reselect mode. Also, blinks if no chapter is selected in Karaoke mode.

⑩ Pause button (II) ... p.12, 16

To stop playback temporarily, press this button during playback. Press this button again to resume playback. The Auto pause function is turned on and off with this button (only in Stop mode).

⑪ STOP/OPEN/CLOSE button (■ / ▲)

Press this button when taking out or loading a disc. Also, use this button when stopping playback or for Reselect mode (p. 14).

Caution on the auto loading operation

Since this player employs the auto loading function, use the STOP/OPEN/CLOSE button to open or close the disc table. Pulling, pushing or applying excessive force to the disc table may result in a malfunction.

⑫ PAUSE indicator

Lights up if playback can be paused with II button. Blinks during pause. Does not light if playback cannot be paused.

⑬ MPX button/indicator ... p. 13

Lights up when the multiplex audio disc with digital audio (NTSC system disc) is played back in Karaoke mode. Audio output is selected with this button.

⑭ KARAOKE indicator ... p. 10

Lights up when Karaoke mode is selected with the MODE button. Blinks when Alternate play mode is set to "PL1".

⑮ MODE button ... p. 12, 16

Press this button to switch the player between Karaoke mode and Normal mode. When the mode is switched, the disc table will half open. When Alternate play mode is set to "PL1" or "BGV/BGV", this button does not function.

⑯ NORMAL indicator ... p. 10

Lights up when NORMAL is selected with the MODE button. Blinks when Alternate play mode is set to "BGV/BGV".

⑰ SKIP buttons (◀◀, ▶▶) ... p. 17

Press these buttons to return or advance playback to the beginning of the previous or next chapter/track. These buttons can only be used in Normal mode.

⑱ SCAN buttons (◀◀, ▶▶) ... p. 17

Press for fast-reverse or fast-forward operation. These buttons can only be used in Normal mode.

⑲ PLAY button (▶)

Press this button in Normal mode to start playback from the beginning of the disc. When starting playback with this button, playback cannot be paused automatically at the beginning of the disc even though the auto pause function is set to on.

⑳ AUTO PAUSE indicator

Lights up when the auto pause function is set to on.

㉑ INTERRUPT button ... p. 15

Press this button to insert another chapter between current playing chapter and stored chapters in Karaoke mode.

㉒ MEMORY CHECK button ... p. 14

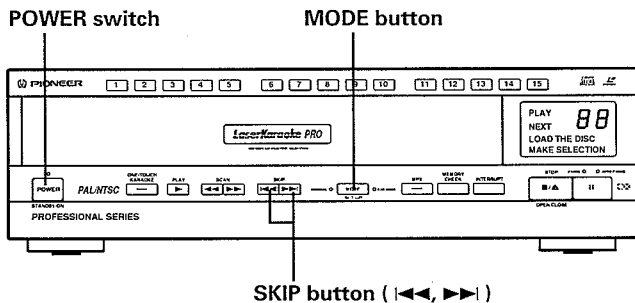
Press this button to check the stored chapters in Karaoke mode.

㉓ ONE-TOUCH KARAOKE button/indicator ... p. 17

Functions only in Normal mode.

SETTING OF THE OPERATING MODE

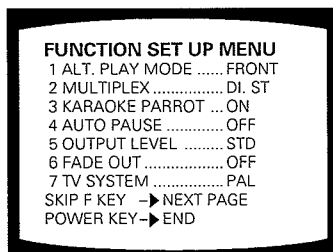
This player needs to set operating mode before use. The settings will be performed with "FUNCTION SET UP MENU" which appears on the TV screen.



To control "FUNCTION SET UP MENU" on the screen

When the power is turned off, press the POWER switch while pressing the MODE button. "FUNCTION SET UP MENU" appears on the screen.

- When shipping from the factory, the parameters are set as follows:



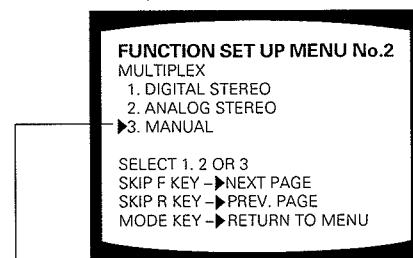
- To cancel "FUNCTION SET UP MENU", turn the power off and on. The player returns to normal operation mode.

To select each setting menu in "FUNCTION SET UP MENU"

Press the SKIP button (▶▶) while "FUNCTION SET UP MENU" is displayed on the screen. The item number is equal to the number of ▶▶ to be pressed. (When selecting setting menu 1, press ▶▶ once. When selecting setting menu 2, press ▶▶ twice.)

- When desired setting menu is selected, the on-screen menu appears. (example : Multiplex Audio mode setting screen)

Example:



The ▶ mark indicates the selected setting.

To set Alternate Play mode

- Press the SKIP button (▶▶) once while "FUNCTION SET UP MENU" is displayed on the screen.
 - "ALT. PLAY MODE" setting screen appears.
- Press the desired button (1 ~ 4) of the Direct music search buttons to set Alternate Play mode.
 - Only this player is used. (FRONT)
 - When using two players; this player is used only for karaoke play. (PL1)
 - When using two players; this player is used for karaoke or normal play (BGV). (PL2)
 - When using two players; they are used for normal play (BGV). (BGV/BGV)
 - The initial setting of the player is 1 (FRONT).

SETTING OF THE OPERATING MODE

NOTES:

- If the TO ANOTHER PLAYER jack is not connected, 2, 3 and 4 cannot be selected.
- When 2 (PL1) is selected, the MODE button (NORMAL/KARAOKE) of the player does not function. The KARAOKE indicator blinks.
- When 4 (BGV/BGV) is selected, the MODE button (NORMAL/KARAOKE) of the player does not function. The NORMAL indicator blinks.
- If 4 (BGV/BGV) is selected, two players should be set to 4 (BGV/BGV).

3. Press the MODE button to return to "FUNCTION SET UP MENU".

- If the SKIP button (▶▶) is pressed in this step instead of the MODE button, the next setting menu (2 MULTIPLEX) will appear on the screen.

To set Multiplex Audio mode

Select the audio output mode of the disc which records both digital and analog audio (NTSC system disc).

1. Press the SKIP button (▶▶) twice while "FUNCTION SET UP MENU" is displayed on the screen.

- "MULTIPLEX" setting screen appears.

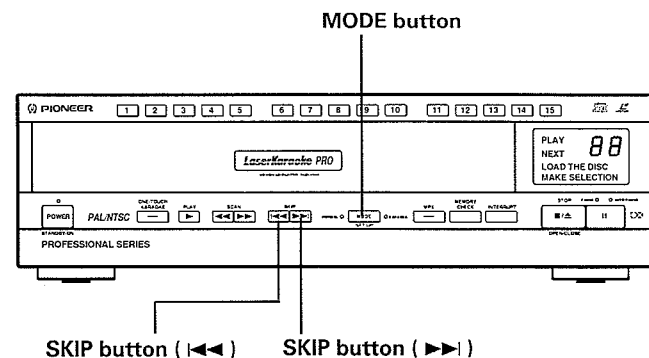
2. Press the desired button (1 ~ 3) of the Direct music search buttons to set Multiplex Audio mode.

- 1 : The initial setting of the audio output is digital audio stereo. Each time the MPX button is pressed, the output switches between digital audio stereo and analog audio stereo. (DI. ST)
- 2 : The initial setting is analog audio stereo. Each time the MPX button is pressed, the output switches between analog audio stereo and digital audio stereo. (AN. ST)
- 3 : The initial setting is digital audio stereo. Each time the MPX button is pressed, the audio output changes as follows:
digital audio stereo → analog audio stereo → analog audio L-ch. mono → analog audio R-ch. mono → digital audio stereo. (MANUAL)

- The initial setting of the player is 1 (DI. ST).

3. Press the MODE button to return to "FUNCTION SET UP MENU".

- If the SKIP button (▶▶) is pressed in this step instead of the MODE button, the next setting menu (3 KARAOKE PARROT) will appear on the screen.
- If the SKIP button (◀◀) is pressed in this step instead of the MODE button, the previous setting menu (1 ALT. PLAY MODE) will appear on the screen.



To set Display During Interval Between Songs

Select the setting on/off of the display during interval between songs or in stop mode.

1. Press the SKIP button (▶▶) three times while "FUNCTION SET UP MENU" is displayed on the screen.

- "KARAOKE PARROT" setting screen appears.

2. Press the desired button (1 or 2) of the Direct music search buttons to set Display During Interval Between Songs.

- 1 : Karaoke parrot, PIONEER and LaserKaraoke will appear on the blue screen during interval between songs and in stop mode (chapters are not selected yet). (ON)

- 2 : Black screen will appear on the screen during interval between songs and in stop mode (chapters are not selected yet). (OFF)

- The initial setting of the player is 1 (ON). In normal mode, "LaserKaraoke" will not appear on the screen.

3. Press the MODE button to return to "FUNCTION SET UP MENU".

- If the SKIP button (▶▶) is pressed in this step instead of the MODE button, the next setting menu (4 AUTO PAUSE) will appear on the screen.
- If the SKIP button (◀◀) is pressed in this step instead of the MODE button, the previous setting menu (2 MULTIPLEX) will appear on the screen.

To set Auto Pause mode

Select the auto pause mode on or off. It is automatically set to the selected position each time the power is turned on.

1. Press the SKIP button (▶▶) four times while "FUNCTION SET UP MENU" is displayed on the screen.

- "AUTO PAUSE" setting screen appears.

2. Press the Direct music search button 1 or 2 to set Auto Pause mode.

- 1 : The AUTO PAUSE indicator goes off. The auto pause function cannot be carried out. (OFF)
- 2 : The AUTO PAUSE indicator lights up. When a chapter/track is selected, the player enters pause mode automatically at the beginning of the selected chapter/track. When stored chapters/tracks are played back in karaoke mode, playback automatically pauses at the beginning of each stored chapter/track. (ON)

- The initial setting of the player is 1 (OFF).

NOTE:

When II is pressed for more than 2 seconds in stop mode, the auto pause function can be switched to on and off.

3. Press the MODE button to return to "FUNCTION SET UP MENU".

- If the SKIP button (▶▶) is pressed in this step instead of the MODE button, next setting menu (5 OUTPUT LEVEL) will appear on the screen.
- If the SKIP button (◀◀) is pressed in this step instead of the MODE button, previous setting menu (3 KARAOKE PARROT) will appear on the screen.

To set the digital audio output level

Set the digital audio output level in normal mode.

1. Press the **SKIP** button (▶▶) five times while "FUNCTION SET UP MENU" is displayed on the screen.
 - "OUTPUT LEVEL" setting screen appears.
2. Press the desired button (1 ~ 8) of the Direct music search buttons to set the digital audio output level.
 - 1 : Attenuation of digital audio output level 0 dB. (STD)
 - 2 : Attenuation of digital audio output level -2 dB. (-02)
 - 3 : Attenuation of digital audio output level -4 dB. (-04)
 - 4 : Attenuation of digital audio output level -6 dB. (-06)
 - 5 : Attenuation of digital audio output level -8 dB. (-08)
 - 6 : Attenuation of digital audio output level -10 dB. (-10)
 - 7 : Attenuation of digital audio output level -15 dB. (-15)
 - 8 : Attenuation of digital audio output level -20 dB. (-20)
 - The initial setting of the player is 1 (STD).

NOTE:

This function cannot be carried out when the disc which is not recorded digital audio is played back, or when analog audio is output.

3. Press the **MODE** button to return to "FUNCTION SET UP MENU".
 - If the SKIP button (▶▶) is pressed in this step instead of the MODE button, next setting menu (6 FADE OUT) will appear on the screen.
 - If the SKIP button (◀◀) is pressed in this step instead of the MODE button, previous setting menu (4 AUTO PAUSE) will appear on the screen.

To set Audio Fading Out mode

Select on/off of audio fading out function when playback is stopped.

1. Press the **SKIP** button (▶▶) six times while "FUNCTION SET UP MENU" is displayed on the screen.
 - "FADE OUT" setting screen appears.
2. Press the Direct music search button 1 or 2 to set the fade out function on/off.
 - 1 : When STOP/OPEN/CLOSE (■/▲) is pressed in playback mode, playback is stopped immediately. (OFF)
 - 2 : When STOP/OPEN/CLOSE (■/▲) is pressed in playback mode, audio output starts fading out, and playback is stopped in 3 seconds. (ON)
 - The initial setting of the player is 1 (OFF).

NOTES:

- While the audio output is fading out, normal playback image continues to be displayed on the screen. (With CD, karaoke parrot appears.)
- If a disc which does not record digital audio is played back or analog audio output is selected, audio fading out function cannot be carried out. When STOP/OPEN/CLOSE (■/▲) is pressed, playback stops immediately.

3. Press the **MODE** button to return to "FUNCTION SET UP MENU".
 - If the SKIP button (▶▶) is pressed in this step instead of the MODE button, next setting menu (7 TV SYSTEM) will appear on the screen.
 - If the SKIP button (◀◀) is pressed in this step instead of the MODE button, previous setting menu (5 OUTPUT LEVEL) will appear on the screen.

To set TV System mode

When an NTSC system disc is played back, select the video output of the converted PAL system or NTSC system.

1. Press the **SKIP** button (▶▶) seven times while "FUNCTION SET UP MENU" is displayed on the screen.
 - "TV SYSTEM" setting screen appears.
2. Press the desired button (1 or 2) of the Direct music search buttons to set TV System mode.
 - 1 : When an NTSC system disc is played back onto a PAL colour TV, the video output is converted to the PAL system. (PAL)
 - 2 : When an NTSC system disc is played back onto an NTSC colour TV or a multi scan type (TRIDENT) color TV, the video output is the NTSC system. (NTSC)
 - The initial setting of the player is 1 (PAL).

The mode changes according to the following table:

DISC	TV MODE	PAL		NTSC	
		COLOUR	SIZE	COLOUR	SIZE
PAL		COLOUR	FULL	BLACK/WHITE	STRETCH
NTSC	1 PAL	COLOUR	*SHRINK	BLACK/WHITE	FULL
	2 NTSC	BLACK/WHITE	*SHRINK	COLOUR	FULL

NOTES:

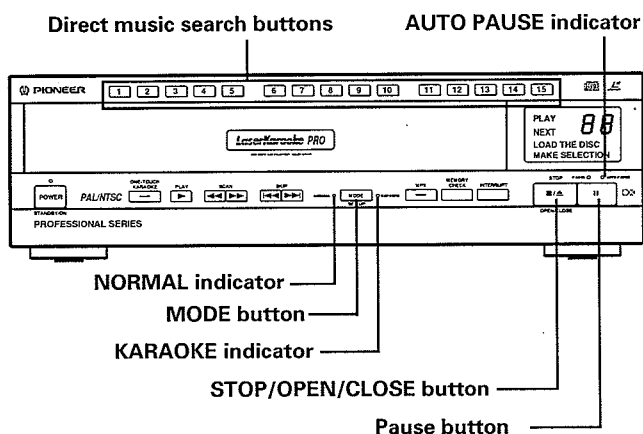
- *SHRINK
Most models of the newly developed countdown PAL TV system detect 50 Hz (PAL)/60 Hz (NTSC) frequencies and automatically switch vertical amplitude, resulting in a display without vertical shrinkage.
- If your PAL TV does not have a V-Hold control, you may not be able to view an NTSC disc because the picture may roll. If the TV has a V-Hold control, adjust it until the picture stops rolling. On some TVs, the picture may shrink vertically, leaving black bands at the top and bottom of the screen. This is not a malfunction; it is caused by the NTSC → PAL conversion.

3. Press the **MODE** button to return to "FUNCTION SET UP MENU".
 - If the SKIP button (◀◀) is pressed in this step instead of the MODE button, the previous setting menu (6 FADE OUT) will appear on the screen.
 - The setting menu on the screen will not change even though the SKIP button (▶▶) is pressed.

KARAOKE OPERATION

- For playing karaoke discs (30 cm/20 cm CLV LD)

Preparation

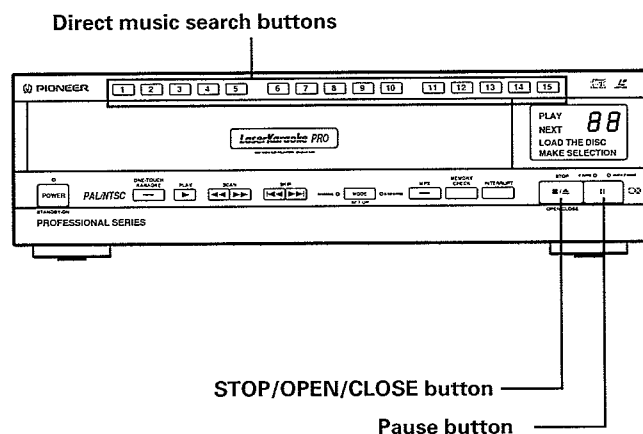


1. Turn on the power of each component.
2. Press the MODE button so that the KARAOKE indicator lights.
 - If the NORMAL indicator lights, press the MODE button so that the KARAOKE indicator lights. The disc table will half open.
 - If the NORMAL indicator blinks, Alternate Play mode is set to "BGV/BGV". In "To set Alternate Play Mode", select one of the other settings and then press the MODE button so that the KARAOKE indicator lights. (Refer to page 9.)
3. Select the Auto Pause function on or off.
 - Press II for more than 2 seconds while in stop mode.
 - When the Auto Pause function is set to on, the AUTO PAUSE indicator lights. When a chapter is selected, the player enters pause mode at the beginning of the chapter. If chapters are stored in the player, playback pauses at the beginning of each stored chapter.
 - When the Auto Pause function is set to off, the AUTO PAUSE indicator goes off. The Auto Pause function cannot be carried out.

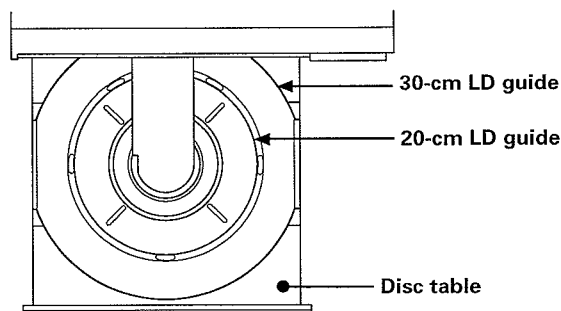
NOTES:

- In KARAOKE mode, only a CLV LaserDisc containing chapters can be played. When the disc table is closed with a disc other than a CLV LaserDisc with chapters loaded, the disc table will automatically half open upon identification of the loaded disc.
- Analog audio of a PAL system disc cannot be reproduced.
- In KARAOKE mode, the ONE-TOUCH KARAOKE button, the SKIP buttons (◀◀, ▶▶), the SCAN buttons (◀, ▶) and PLAY button (▶) do not function.

Basic karaoke operation



1. Press the STOP/OPEN/CLOSE button (■/▲) to open the disc table.
2. Load a disc correctly on the disc table according to the groove corresponding to the size of the disc.
 - Only CLV discs containing chapters can be played.
 - Load a disc with the side to be played facing up.



* Precautions concerning disc loading

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

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

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

Do not leave the disc tray open.

Strong force (in particular, vertical force) applied to an open disc tray may result in player malfunction. In some situations, an open disc tray may also increase the chance of the player unit falling.

Do not place any items other than discs on the disc tray. After use, make sure to close the disc tray completely.

- The player will close the disc tray automatically when the power is switched on if the tray has been left open.

3. Press the Direct music search buttons of the desired chapter numbers.

- The disc table is closed.
- If the STOP/OPEN/CLOSE button (■/▲) is pressed instead of the Direct music search buttons, the disc table is closed and the player enters standby mode.
- If the AUTO PAUSE indicator goes off, the selected chapter will be searched and played.
- If the AUTO PAUSE indicator lights, the selected chapter will be searched and the player pauses at the beginning of the chapter.
- If more than two chapters to be played are on the same side on the disc, press the Direct music search buttons in sequence. The stored chapter number blinks, then the stored order in the memory play appears. After that, the chapter number to be played is displayed. Chapters are played back in the selected order (Memory play). With this function, up to five chapters can be selected.
- The disc table is half open under the following conditions. In this case, press STOP/OPEN/CLOSE (■/▲) to fully open the disc table and reload the disc.
 - A disc other than a CLV disc containing chapters is loaded.
 - All chapters on the disc are finished playing.
 - Chapters are not selected within 30 seconds after the selection is available.
 - A disc is not loaded correctly on the disc table.

4. In case the AUTO PAUSE indicator lights, press II.

- When the AUTO PAUSE indicator lights, playback is paused at the beginning of each stored chapter. Press II to resume playback.

When all stored chapters are finished playing, the disc table is half open. Press STOP/OPEN/CLOSE (■/▲) to open the disc table completely, and take out a disc.

NOTES:

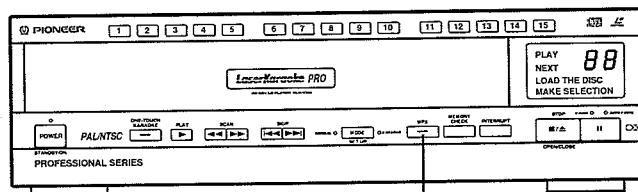
- If the chapter number which does not exist on the disc is selected, the message to make selection again will be displayed on the screen. (Refer to page 19.)
- When playback is automatically paused at the beginning of the chapter, it takes a few seconds to resume playback by pressing II, since the beginning of the chapter is searched again. By this operation, the playback always starts from the beginning of the chapter accurately.
- When Alternate playback is carried out with the two players (Alternate play mode is set to "PL1" or "PL2"), only one chapter at a time can be selected.

When a wrong disc is loaded by mistake:

Cancel all the stored chapters. The disc table will come out.

- Press the STOP/OPEN/CLOSE button repeatedly until the selection number indicator shows "00".

Selection of Multiplex audio output



MPX button

When discs which contain both digital and analog audio (NTSC system disc) is played back, audio output can be selected. The output to be selected varies with the setting of the Multiplex audio mode. (Refer to page 10.)

• The setting of the Multiplex audio mode is "DI. ST"

The initial setting is digital audio stereo. Each time the MPX button is pressed, the output switches between analog audio stereo and digital audio stereo.

• The setting of the Multiplex audio mode is "AN. ST"

The initial setting is analog audio stereo. Each time the MPX button is pressed, the output switches between digital audio stereo and analog audio stereo.

• The setting of the Multiplex audio mode is "MANUAL"

The initial setting is digital audio stereo. Each time the MPX button is pressed, the audio output changes in the following order :

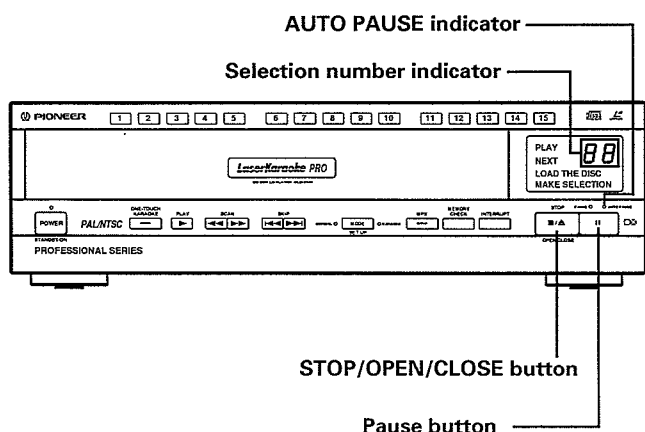
digital audio stereo → analog audio stereo → analog audio L-ch. mono → analog audio R-ch. mono → digital audio stereo ...

NOTES:

- When digital audio output is selected for the multiplex analog audio disc with digital audio, the indicator in the MPX button lights.
- When analog audio output is selected, the indicator in the MPX button blinks. (with a disc which records both digital and analog audio)
- If the multiplex audio disc with analog audio only is played back, the indicator in the MPX button will not light, and the MPX button will not function.
- When playing back a disc with digital audio only or analog audio only, the recorded audio output is selected automatically. In this case, the MPX button does not function. Even during playback of analog audio, the indicator in the MPX button does not blink.

KARAOKE OPERATION

Reselect mode



Within 30 seconds after starting playback, another chapter can be selected and played.

If you missed the beginning of the verse when singing karaoke, select the same chapter, and sing it again.

1. Press STOP/OPEN/CLOSE (■/▲) within 30 seconds after starting playback.

- The player enters Reselect mode.
The MAKE SELECTION indicator blinks. "MAKE SELECTION" also blinks on the screen.

2. Press the Direct music search button of the chapter number to be played.

- If the same chapter number is pressed, you can sing the same song again.
- If the AUTO PAUSE indicator goes off, the selected chapter will be searched and played.
- If the AUTO PAUSE indicator lights, the selected chapter will be searched and the player pauses at the beginning of the chapter.

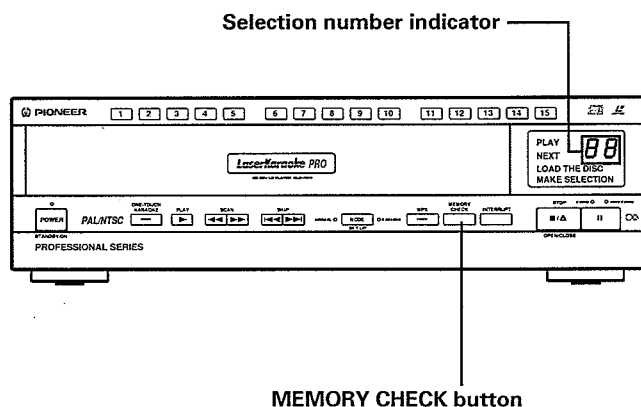
3. In case the AUTO PAUSE indicator lights, press II.

- If the AUTO PAUSE indicator lights, playback is paused at the beginning of the chapter. To resume playback, press II.

NOTES:

- If STOP/OPEN/CLOSE (■/▲) is pressed more than 30 seconds after starting playback, playback is stopped without entering Reselect mode.
- The player can enter Reselect mode up to three times in sequence. Reselect mode will be cancelled by trying to enter it for the fourth time.

Memory check mode



With some chapters stored (the NEXT indicator lights), each time the MEMORY CHECK button is pressed, the stored order and chapter number is displayed with the selection number indicator.

Example : The stored chapter number is 5 (being played), 7 and 12.

1. Press the MEMORY CHECK button.

- The player enters memory check mode.
The selection number indicator lights and displays the stored order (01), and the stored chapter number (7) blinks.

2. While the selection number indicator (7) is blinking, press the MEMORY CHECK button.

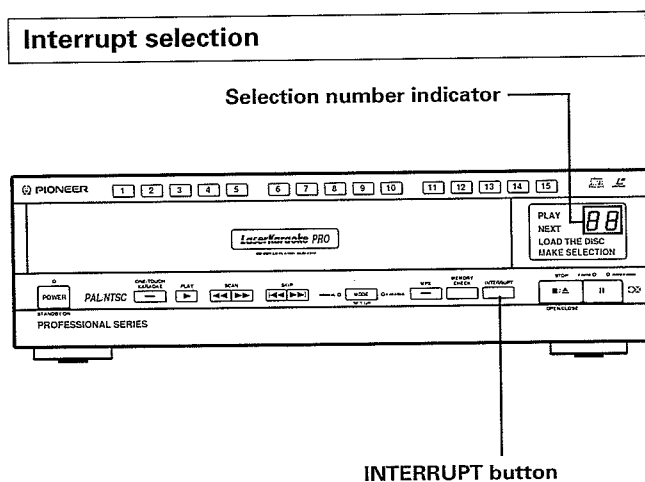
- The selection number indicator lights and displays the stored order (02), and the stored chapter number (12) blinks.

3. While the selection number indicator (12) is blinking, press the MEMORY CHECK button.

- The Memory check mode is canceled.
The chapter number being played (5) lights.

NOTES:

- The memory check mode is canceled, if the MEMORY CHECK button is not pressed again for some time.
- The Memory check mode is canceled when a button other than the MEMORY CHECK button is pressed.
- The MEMORY CHECK button will not function when there is no stored chapters.



Another chapter can be played by inserting it before the stored chapter. If more than 1 chapter is selected, another chapter can be inserted between these chapters.

1. Press the INTERRUPT button.

- The player enters Interrupt selection mode.
The NEXT and MAKE SELECTION indicators blink.
The selection number indicator shows "00" and blinks.

2. Press the Direct music search button of the chapter number to be played.

- The chapter number to be inserted is displayed by the selection number indicator.
- The Interrupt selection mode will be canceled if the INTERRUPT button, the POWER switch, the STOP/OPEN/CLOSE button or the MODE button is pressed.

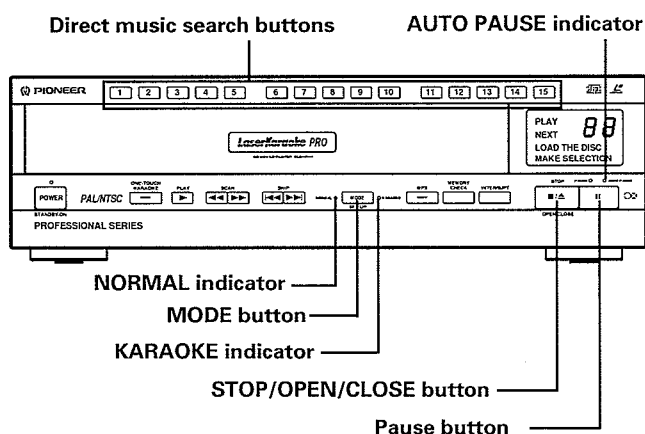
NOTES:

- Up to 6 chapters including the chapter being played can be inserted.
The last inserted chapter is played first.
- During playback, the inserted chapter is played before the next stored chapter.
- When a chapter is finished playing in interrupt selection mode, the player enters pause mode. After the chapters to be inserted are specified, playback is resumed from the last inserted chapter. If pause mode continues for more than 10 minutes, the Interrupt selection mode is canceled, and the disc table is half open.
- When alternate playback is carried out with the two players (Alternate play mode is set to "PL1" or "PL2"), the player cannot enter Interrupt selection mode.

NORMAL MODE OPERATION

- For playing a general disc

Preparation

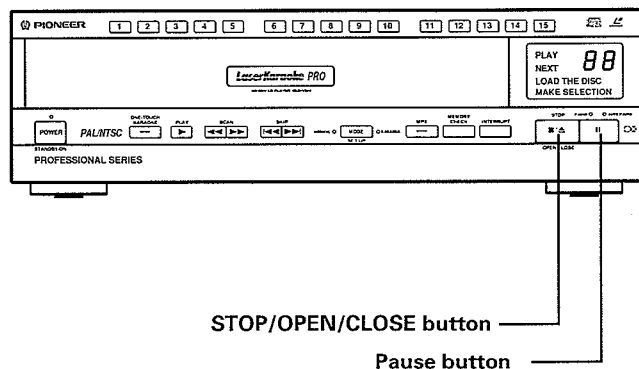


1. Turn on the power of each component.
2. Press the **MODE** button so that the **NORMAL** indicator lights.
 - If the **KARAOKE** indicator lights, press the **MODE** button so that the **NORMAL** indicator lights. The disc table will half open.
 - If the **KARAOKE** indicator blinks, the Alternate Play mode is set to "PL1". Select one of the other settings and then press the **MODE** button so that the **NORMAL** indicator lights. (Refer to page 9.)
3. Set the **Auto Pause** function to on or off.
 - Press **II** for more than 2 seconds in stop mode.
 - When the Auto Pause function is set to on, the **AUTO PAUSE** indicator lights. When a chapter is selected, playback pauses automatically and the player enters pause mode at the beginning of the chapter.
 - When the Auto Pause function is set to off, the **AUTO PAUSE** indicator goes off. The Auto Pause function cannot be carried out.

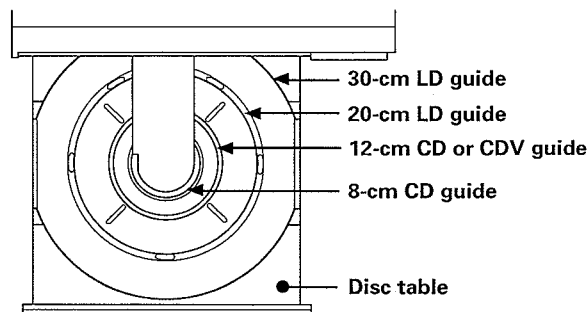
NOTES:

- Memory selection of chapters/tracks cannot be carried out in normal mode.
- The **MPX** button does not function in normal mode.
- In normal mode, digital audio is output with the level which is set in the "FUNCTION SET UP MENU". (Refer to page 11.)

Basic operation



1. Press the **STOP/OPEN/CLOSE** button (■/▲) to open the disc table.
2. Load a disc correctly on the disc table according to the groove corresponding to the size of the disc.
 - With a CD or CDV, place the disc with the label side facing up.
 - With an LD, place the disc with the side to be played facing up.



* Precautions concerning disc loading

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

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

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

Do not leave the disc tray open.

Strong force (in particular, vertical force) applied to an open disc tray may result in player malfunction. In some situations, an open disc tray may also increase the chance of the player unit falling.

Do not place any items other than discs on the disc tray. After use, make sure to close the disc tray completely.

- The player will close the disc tray automatically when the power is switched on if the tray has been left open.

3. Press the STOP/OPEN/CLOSE button (■/▲) to close the disc table.

- The PLAY indicator blinks and the first chapter/track is searched. Then, the PLAY indicator lights, and the first chapter/track is played automatically.
- When one side of a disc is finished playing, the player enters stop mode.

NOTES:

- Even when the AUTO PAUSE indicator lights, playback continues without pausing at the beginning of the chapter/track.
- When a CDV disc is played back, the video part is played first and then the audio part is played.
- Analog audio of LD of PAL system cannot be played back.

To pause playback temporarily

Press II.

- The PAUSE indicator blinks and playback is set to pause mode. Karaoke parrot appears on the screen.
- When II is pressed again, the PAUSE indicator lights and playback is resumed.

To stop playback

Press STOP/OPEN/CLOSE (■/▲).

- The PLAY indicator and the PAUSE indicator go off, and playback is stopped.
- After playback is stopped, pressing PLAY (▶) resumes playback from the first chapter/track.
- After playback is stopped, the disc table will open if STOP/OPEN/CLOSE (■/▲) is pressed.
- If STOP/OPEN/CLOSE (■/▲) is pressed twice during playback, playback is stopped and the disc table opens.

NOTE:

When playing back with digital audio output, and Audio fading out mode is set to on, audio output starts fading out by pressing STOP/OPEN/CLOSE (■/▲) in playback mode. Playback stops in about 3 seconds after the button is pressed. (Refer to page 11.)

Chapter (track) search

Press the Direct music search buttons of chapter/track number to be played.

- The selected chapter/track is searched and played.
- When the selected chapter/track is finished playing, the next chapter/track is played in sequence.
- When selecting a chapter/track number greater than 15, press 15 of the Direct music search buttons and then press ►►I. (Example: When selecting chapter/track number 17, press 15 and then press ►►I twice.)

NOTES:

- When the AUTO PAUSE indicator lights, playback pauses at the beginning of the selected chapter/track. Press II to resume playback.
- If the chapter/track number which does not exist on the disc is selected, the player enters pause mode at the end of the disc. (with discs containing no TOC)

Chapter (track) skip

In playback or pause mode, press I◀◀ once to return to the beginning of the chapter/track being played. If I◀◀ is pressed more than once, the beginning of a previous chapter/track is searched and played. The position of the located chapter/track corresponds to the number of times the button is pressed. In playback or pause mode, if ►►I is pressed once or repeatedly, playback is advanced to the beginning of a chapter/track located after the chapter/track being played. The position of the located chapter/track corresponds to the number of times ►►I is pressed.

NOTES:

- When I◀◀ is pressed at the beginning of the first chapter/track, the first chapter/track is played back.
- ►►I does not function when pressed at the end of the last chapter/track (with discs containing TOC).

Scan (fast-forward/fast-reverse)

In playback or pause mode, playback rapidly reverses toward the beginning of the disc while ◀◀ is kept pressed. In playback or pause mode, playback rapidly advances toward the end of the disc while ►► is kept pressed.

NOTES:

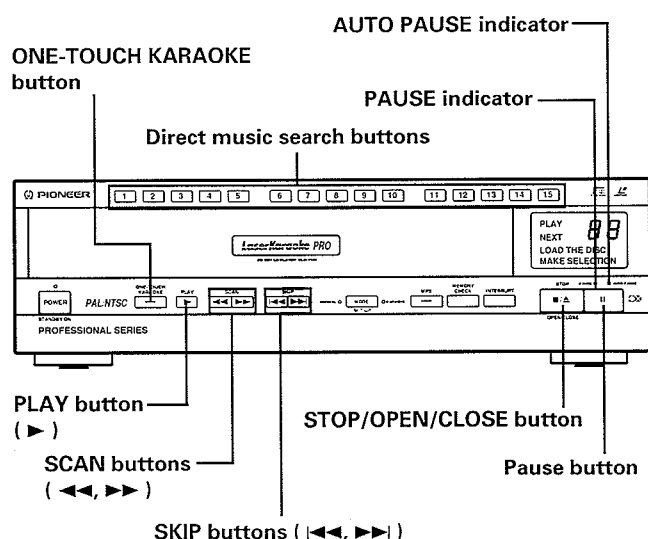
- Playback starts automatically when the beginning of the disc is reached.
- The player enters pause mode when the end of the disc is reached.

One-touch karaoke

Press the ONE-TOUCH KARAOKE button so that the indicator in the ONE-TOUCH KARAOKE button blinks. The volume level of the vocal sound of the normal stereo output is reduced. You can enjoy the mood of karaoke musical accompaniment (in this case, the audio output is monaural). To cancel the One-touch karaoke function, press ONE-TOUCH KARAOKE so that the indicator in this button lights, open the disc table or turn off the power.

NOTE:

This function is carried out by canceling the centrally located vocal sound, thus does not fully function depending on the recording condition.



ALTERNATE PLAYBACK USING TWO PLAYERS

- This operation requires a stereo mixing amplifier with auto function.

Select the Alternate play mode with both of the players (refer to page 9) and connect each other with the TO ANOTHER PLAYER jacks. They require to be connected correctly to the stereo mixing amplifier with an auto function (PIONEER SA-V210, SA-V220, SA-V240.) Playback can be carried out alternately on two players. (Refer to page 7 for Connections.)

Karaoke playback using two players

Since chapters are played back alternately on each player, karaoke playback can be carried out with short intervals between chapters.

- Set the Alternate play mode of the player to "PL1". (The KARAOKE indicator blinks.) (Refer to page 9.)
- Set the Alternate play mode of another player to "PL2". Press the MODE button to set to the karaoke mode. (The KARAOKE indicator lights.) (Refer to page 9.)

NOTES:

- When one chapter finishes playing, the disc table is half open.
- Only one chapter at a time can be selected. If more than 2 chapters to be played are on the same side of the same disc, select the second chapter after the first chapter is finished playing.
- The interrupt selection function cannot be carried out in alternate play mode.

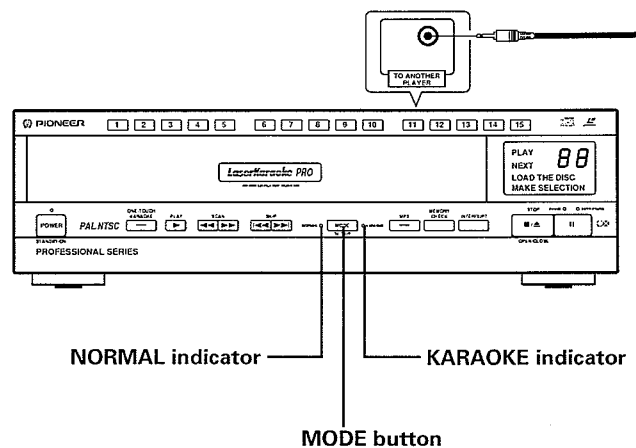
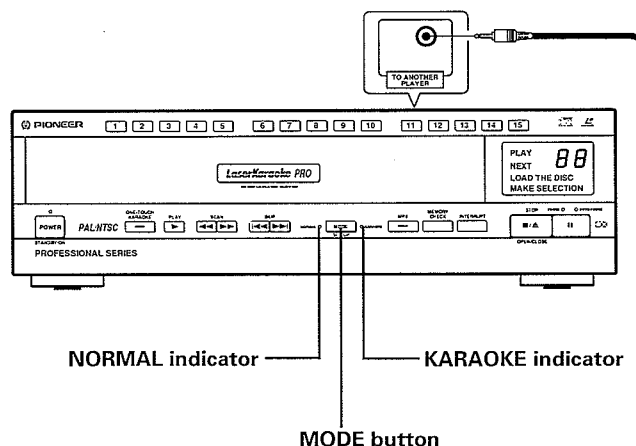
Karaoke playback on one player, normal playback on the other player

Use one player for karaoke playback, and set another to normal playback. With the player set to normal playback, discs (CD/CDV) other than CLV discs can also be played and, while karaoke playback on the other player is in stop mode, repeat playback on one side is carried out on the player set to normal playback.

- Set the Alternate play mode of the player to "PL1". (The KARAOKE indicator blinks.) (Refer to page 9.)
- Set the Alternate play mode of another player to "PL2". Press the MODE button to set to normal mode. (The NORMAL indicator lights.) (Refer to page 9.)

NOTES:

- When the player which is used for karaoke play is finished playing each chapter, the disc table half opens.
- Only one chapter at a time can be selected. If more than 2 chapters to be played are on the same side of the same disc, select the next chapter after the previous chapter is finished playing.
- The interrupt selection function cannot be carried out.
- When karaoke playback is finished, the digital audio output on the player set to normal playback fades in. (The image on the screen changes when the audio output starts fading in.) However, when playback on the player set to normal playback starts from searching mode or pause mode, playback does not fade in.



Normal playback on two players (BGV/BGV mode)

Repeat playback on one side is carried out alternately on two players. Discs (CD/CDV) other than CLV discs can also be played back.

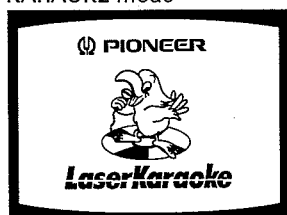
- Set the Alternate play mode of both of the players to "BGV/BGV". (The NORMAL indicator blinks.) (Refer to page 9.)

ON SCREEN DISPLAY

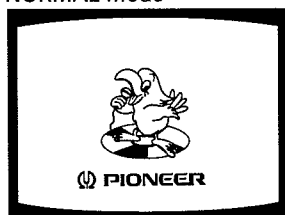
On-screen display in stop mode

The following display appears when the Display during interval between songs is set to on. (Refer to page 10.)

KARAOKE mode



NORMAL mode



- Karaoke parrot moves from the right side to the left side on the screen, pausing at the center position on the screen for a while.
- 5 minutes after the player has entered stop mode, the **PIONEER** and **LaserKaraoke** logos will disappear. The karaoke parrot moves to the left side of the screen, and then it continues to move up and down.

On-screen display before playback or during search

KARAOKE mode



NORMAL mode



- "START SOON !" blinks.

On-screen display in pause mode

KARAOKE mode

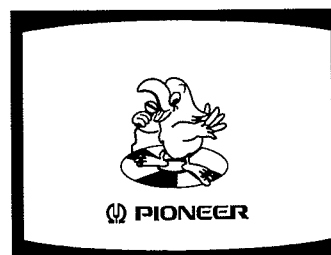


NORMAL mode



- "READY !" blinks.
- Karaoke parrot moves from the right side to the left side of the screen, pausing at the center position on the screen.
- 5 minutes after the player has entered pause mode, "READY !" and **LaserKaraoke** or **PIONEER** will disappear. The karaoke parrot moves to the left side of the screen, and then it continues to move up and down.

On-screen display when playing back CD or audio part of CDV



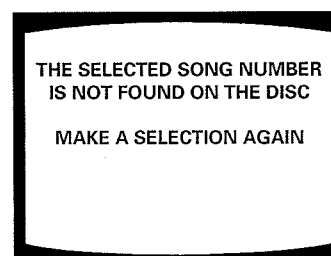
- Karaoke parrot moves from the right side to the left side of the screen, pausing at the center position on the screen for a while.
- This display is shown for 5 minutes, then the **PIONEER** logo will disappear. The karaoke parrot moves to the left side of the screen, and then it continues to move up and down.

On-screen display in RESELECT MODE ((reselecting chapter) (only in karaoke mode))



- "MAKE A SELECTION AGAIN" blinks.

When a chapter which does not exist in the disc is selected (only in karaoke mode)



- Above message appears on the screen.

TROUBLESHOOTING

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

	Symptom	Possible Causes	Reference Page
Operation	<ol style="list-style-type: none"> 1. Playback is not possible. (The disc table opens.) (Playback stops.) 2. The MPX button does not function in accordance with the setting of the MPX button. (The indicator in the MPX button goes off.) 3. KARAOKE/NORMAL mode cannot be switched with the MODE button. 4. Even though the Auto pause function is set to on, playback does not pause at the beginning of the chapter/track in NORMAL mode. 5. The SKIP buttons, the SCAN buttons and the PLAY button do not function. 6. Some LD discs, CDs or CDVs cannot be played back. 7. The ONE-TOUCH KARAOKE button does not function. 8. Chapters/tracks cannot be stored. 	<ul style="list-style-type: none"> • The disc is dirty or warped. • The disc is not placed properly on the disc table. • The disc is placed upside down (CD/CDV). • Condensation formed inside the player. • Only when the multiplex audio disc with digital audio (NTSC system disc) is played back in KARAOKE mode, the indicator lights and the MPX button functions in accordance with the setting of the MPX button. • The Alternate play mode is set to "PL1" (the KARAOKE indicator blinks) or "BGV/BGV" (the NORMAL indicator blinks). • When starting playback with the PLAY button, playback is not automatically paused at the beginning of the chapter/track. • The player is set to KARAOKE mode. (These buttons are used only in NORMAL playback mode.) • The player is set to KARAOKE mode. (In KARAOKE mode, only CLV discs containing chapters can be played.) • The player is set to KARAOKE mode. (This button is used only in NORMAL playback mode.) • Sometimes enough effect cannot be obtained depending on the recording condition. • The player is set to NORMAL mode. (This function is carried out only in KARAOKE mode.) • The Alternate play mode is set to "PL1", "PL2" or "BGV/BGV". ⇒ Set to "FRONT". 	<p>p. 5 p. 12, 16 p. 16 p. 4 p. 13</p> <p>p. 9</p> <p>p. 17</p> <p>p. 9</p>
Video, picture quality	<ol style="list-style-type: none"> 9. The video cannot be viewed, the picture quality is poor or noise interferes with the video. 10. Black and white image appears on the screen. 11. The image on the screen shrinks vertically. 12. Black screen appears during intervals between chapters/tracks. 	<ul style="list-style-type: none"> • The TV is not switched on. • The disc is dirty or warped. • Incorrect connection or the plugs are not inserted fully into the jacks. • The setting of TV system mode is wrong. • The video output of converted PAL system (NTSC system disc played onto PAL system TV) shrinks vertically when playing back onto PAL system TV. • The Display during interval between songs is set to OFF. • After each karaoke chapter/track finishes, the black screen appears for a moment. (This occurs to reset the key control of the karaoke mixing amplifier.) 	<p>p. 5 p. 6, 7</p> <p>p. 11</p> <p>p. 10</p>

	Symptom	Possible Causes	Reference Page
Audio	13. Audio is not output or distorted.	<ul style="list-style-type: none"> ● The player and amplifier are connected incorrectly or the plugs are not inserted fully into the jacks. ● The connection plug of the jack is dirty. ● The player is in pause mode. (The PAUSE indicator blinks.) ⇒ Press II to cancel pause mode. ● A wrong input source is selected on the amplifier. ⇒ Refer to the operating instructions of the amplifier. 	p. 6, 7
	14. The digital audio output level does not change according to the setting.	<ul style="list-style-type: none"> ● The audio output is connected to the PHONO input jacks of the amplifier. ● The analog audio of PAL system LD cannot be reproduced. ● The digital audio output level can be controlled only in NORMAL playback mode. ● When a disc which does not record digital audio is played or the analog audio mode is selected, this function is not effective. 	p. 6, 7
	15. The digital audio output level is too low.	<ul style="list-style-type: none"> ● The digital audio output level is set too low. 	p. 11
	16. When STOP/OPEN/CLOSE is pressed, playback does not stop immediately.	<ul style="list-style-type: none"> ● Audio fading out function is set to on. 	p. 11

CAUTION:

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

SPECIFICATIONS

1. General

System	LaserVision Disc system and Compact Disc digital audio system
Laser	Semiconductor laser wavelength 780 nm
Power requirements	AC 230 V, 50/60 Hz
Power consumption	45 W
Weight	7.8 kg
Dimensions	420 (W) x 379 (D) x 122 (H) mm
Operating temperature	+5°C ~ +35°C
Operating humidity	5% ~ 85%
(There should be no condensation of moisture.)	

2. Disc

LaserVision Discs

PAL disc

*Maximum playing times	
30 cm active play disc	72 min/both sides
30 cm long play disc	2 hours/both sides
20 cm active play disc	28 min/both sides
	14 min/one side
20 cm long play disc	40 min/both sides
	20 min/one side
Spindle motor speed	
Active play disc	1,500 rpm
Long play disc	1,500 rpm (inner circumference)
	to 570 rpm (outer circumference)
	(For a 30 cm disc)

NTSC disc

*Maximum playing times	
30 cm standard play disc	1 hour/both sides
30 cm extended play disc	2 hours/both sides
20 cm standard play disc	28 min/both sides
	14 min/one side
20 cm extended play disc	40 min/both sides
	20 min/one side
Standard play disc	
Extended play disc	1,800 rpm (inner circumference)
	to 600 rpm (outer circumference)
	(For a 30 cm disc)

Compact Discs

DISC	Diameter: 12 cm, 8 cm, Thickness: 1.2 mm
Rotation direction (pickup side)	Counterclockwise
Linear speed	1.2 ~ 1.4 m/sec
*Maximum playing time	
	74 min. 12 cm discs
	20 min. 8 cm discs
	(For stereo playback)

Compact Discs with Video

Disc	Diameter: 12 cm, Thickness: 1.2 mm
Rotation direction (pickup side)	Counterclockwise
Linear speed	Audio portion: 1.2 ~ 1.4 m/sec
	Video portion: 11 ~ 12 m/sec
*Maximum playing time	
	Video portion: 5 min. (CLV)
	Audio portion: 20 min. (Digital)

* Actual playback time differs for each disc.

3. Video characteristics

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

5. Other Terminals

TO ANOTHER PLAYER	Miniature jack
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6. Functions

KARAOKE/NORMAL mode	Switchable
KARAOKE mode:	

- Programmed song selection maximum 5 songs
(When utilizing interrupt selection mode; maximum 6 songs)
- Changing song Within 30 seconds
after starting playback
- Canceling song Within 30 seconds
after starting playback

NORMAL mode:

- Play (Auto play)
- Digital audio output level adjustment
- One-touch karaoke function

Alternate play function

7. Accessories

Audio cable	1
Video cable	1
Control cable	1
Operating instructions	1

NOTE:

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

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