

SONY

MDP-605



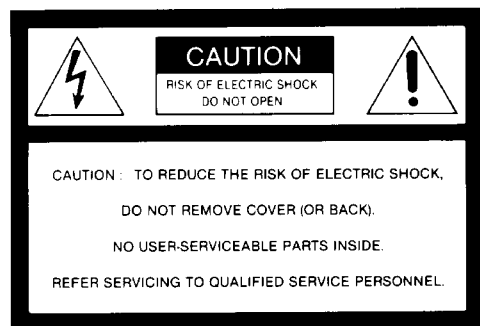
Owner's Record

The model number is located at the rear. The serial number is located on the top panel. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. MDP-605 Serial No. _____

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.



This symbol 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.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause 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 the receiving antenna.
- Relocate the equipment with respect to the receiver.
- Move the equipment away from the receiver.
- Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

CAUTION

The use of optical instruments with this product will increase eye hazard.

As the laser beam used in this videodisc player is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

CAUTION:

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

NOTICE FOR THE CUSTOMERS IN CANADA

This apparatus complies with the Class B limits for radio noise emissions set out in Radio Interference Regulations.

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Connections

LD

CD

LD/CD/CDV

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Precautions

On safety

- Operate the unit only on 120 V AC, 60 Hz.
- Should any solid object or liquid enter the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Unplug the unit from the wall outlet if it is not to be used for an extended period of time.
To disconnect a cord, pull it out by the plug. Never pull the cord itself.
- One blade of the plug is wider than the other for the purpose of safety and will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.

On installation

- Avoid placing the player in a location subject to:
 - high humidity
 - high temperature
 - excessive dust
 - mechanical vibration
 - direct sunlight
- Allow adequate air circulation to prevent internal heat buildup. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.


On moisture condensation

- Do not operate the unit right after having transported it from a cold location to a warm location or in a room where the temperature rises suddenly, because moisture may condense in the operating section of the unit. Wait for about an hour before turning the power on in the new location or keep the rise in room temperature gradual. If the unit is operated with moisture condensation, the unit and the disc may be damaged. Therefore remove the disc immediately when there is a possibility of moisture condensation and no picture is obtained. To evaporate the moisture rapidly, leave the player turned on without a disc loaded.

On operation

- Remove the disc from the tray after playing it, if the unit will not be used for any length of time. Do not transport the set with a disc in place.
- When the disc tray is in the open position, do not press down on it strongly, or place heavy objects on it.

On disc tray

- If the disc tray does not close properly and slides out again, reinsert the disc.
- Be careful not to pinch your fingers between the tray and the unit.
- Always keep the tray closed when not using the unit to keep dust or dirt from entering the optical system of the unit.
- If the unit does not operate, press the  OPEN/CLOSE button and reinsert the disc.
- Insert only one disc at a time.
- Make sure the disc is placed properly in the tray. Incorrect positioning may result in permanent damage to the disc.

On cleaning

Clean the cabinet, panel and controls with a dry soft cloth, or a soft cloth lightly moistened with a mild detergent solution. Do not use any type of solvent, such as alcohol or benzene, which may damage the finish.

On repacking

Do not throw away the carton and the packing material. They make an ideal container to transport the unit in.

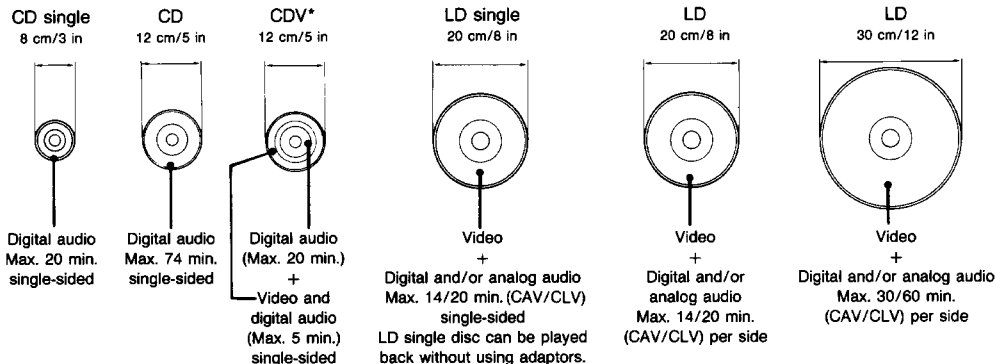
If you have any question or problem concerning your unit, please contact your nearest Sony dealer.

For the customers in the USA

For detailed safety precautions see the leaflet "IMPORTANT SAFEGUARDS".

Features

This CD/CDV/LD Player can play all six types of optical discs currently available for home entertainment use:



The following functions are available with this unit.

For the CDV disc, CD functions can be used on the audio portion and LD functions can be used on the video portion.

LD/CD/CDV

- **Program play**
Play back chapters or tracks in any desired order.
- **Shuffle play**
Play all selections on a disc in a random order.
- **Auto disc protection**
Prevents damage to the disc during stop.
- **AV calendar display**
Shows the number of tracks (up to 20) on a disc and the total playing time at a glance. (Display window of the unit can show max. 16 chapter/track numbers.)
- **Auto program**
Play back chapters or tracks within a designated time.
- **Shuttle ring**
Easily search for desired scene by forward and reverse speed scan on a disc with this ring

LD/CDV (Video Portion)

- **Automatic playback on both sides (LD only)**
Both A and B sides on a disc are played back automatically without replacing.
- **Variable speed playback (LD CAV only)**
11 speed settings for normal and reverse playback, step (frame-by-frame) playback and high-quality freeze-frame.
- **Clear scan**
Fast scan without picture distortion even on CLV discs.
- **PICTURE ENHANCE control**
To adjust the picture to the disc in 5 steps from SHARP to SOFT.

CDV

- **Video portion**
All LD (CLV) functions are available.
- **Audio portion**
All CD functions are available.

This unit plays back discs with any of the following logos on the label.



- It cannot play back CED or VHD discs or discs with PAL, SECAM, or video signals other than the NTSC standard.

* The Compact Disc Video (CDV) format divides a CD into two sections. One is 20 minutes of digital audio playable on any CD player. The other, 5 minutes of video and digital audio, requires a CDV player.

Location and Function of Controls

Front panel

AUTO PGM (program) button ⑩

Disc tray ⑬, ⑭

POWER switch and indicator ⑮, ⑯

Remote control sensor

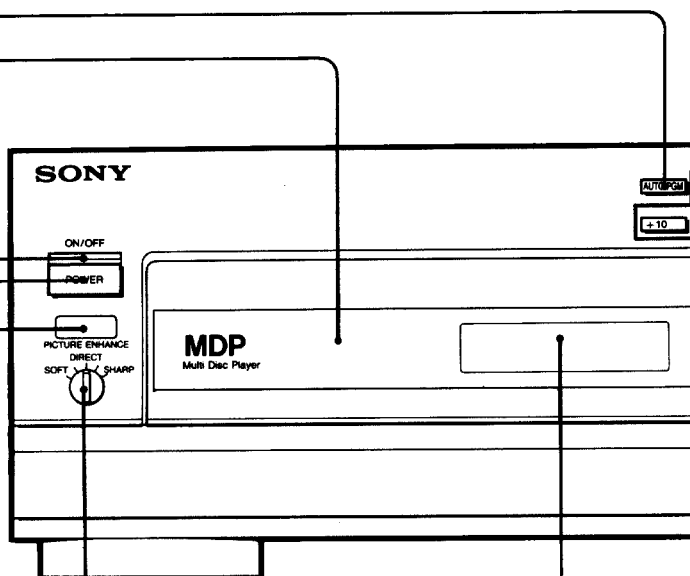
PICTURE ENHANCE control

Use this control for adjusting picture quality and noise on the screen to the disc in 5 steps from SHARP to SOFT. Normally set to DIRECT.

When playing a disc with noise, turn the knob to SOFT. Then noise will be reduced.

When playing a disc with clear picture, if you turn the knob to SHARP, clearer image will be displayed.

Display window



Accessories

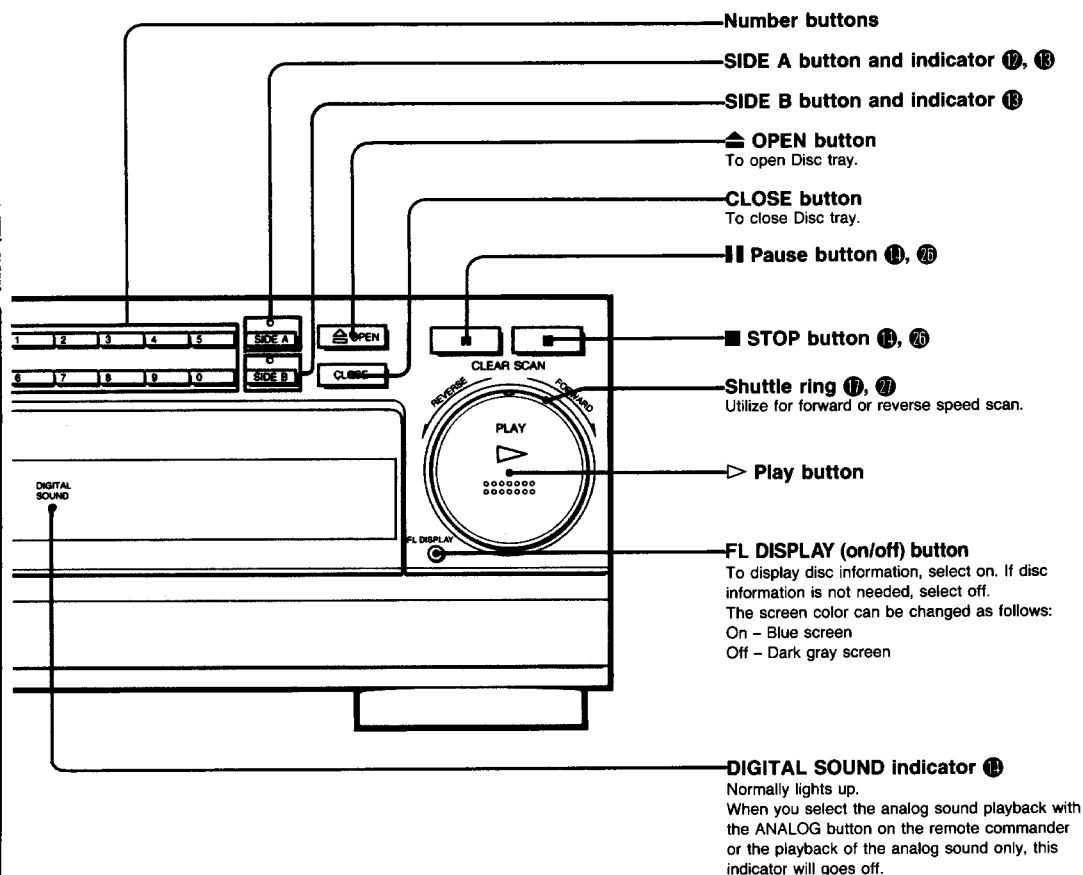
The shipping box should contain the following accessories.

RMT-S605A Remote Commander

Two size AA (R6) batteries

Video connecting cord
(phono 1 ↔ phono 1)





What is this indication?



When the player is turned off during operation (e.g. playback), this indication blinks.
For protection of disc, if the player is turned off during operation, power will automatically cut off after few seconds to stop rotation of the disc completely.

Audio connecting cord
(phono 2 ↔ phono 2)



RFU adaptor RFU-90UC (1)

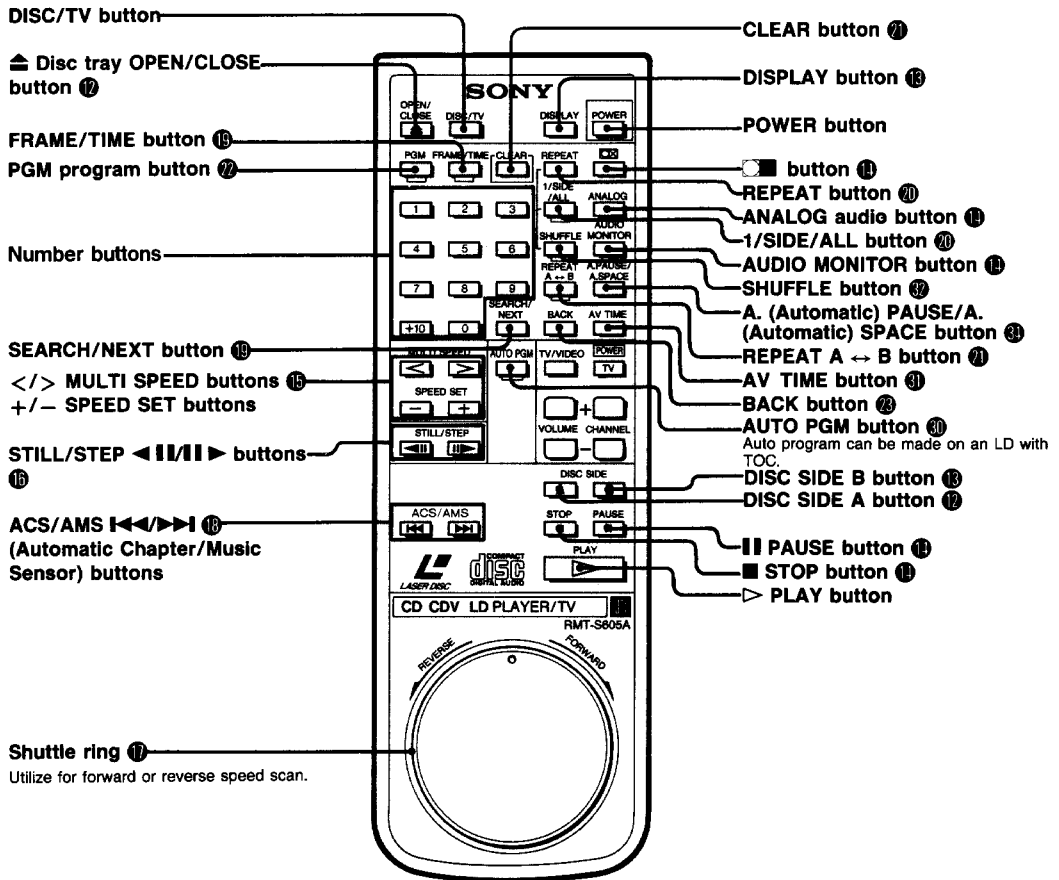


Location and Function of Controls

Refer to the page indicated in the black circle for details.

Remote Commander

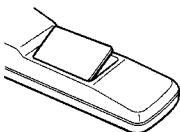
LD Operation



The yellow bar under a button indicates that the function of that button can be released by pressing the CLEAR button.

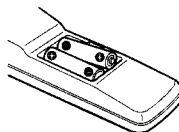
Battery insertion

1

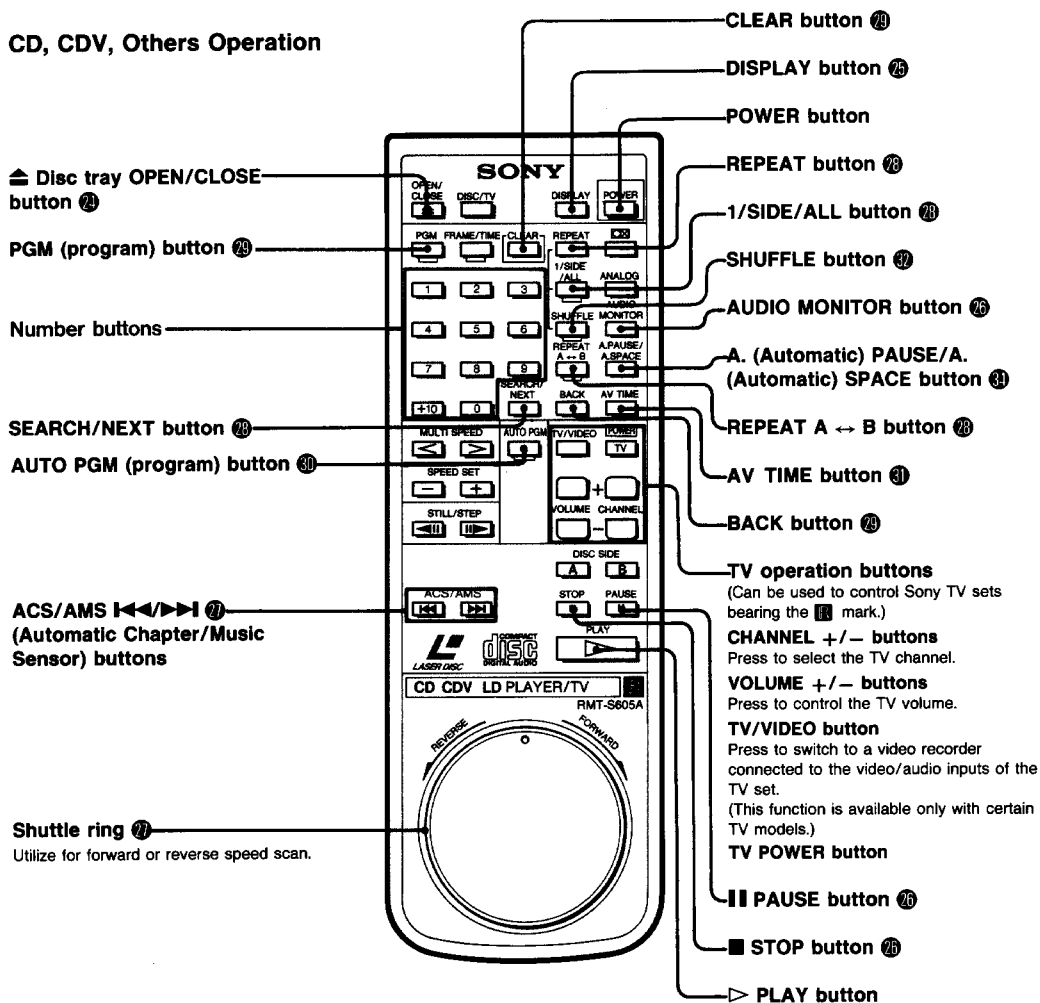


2

Insert the two size AA batteries as shown, being careful to match + / - polarities.



CD, CDV, Others Operation



Battery life

Under normal operations, the batteries will last for approximately six months. If the operating range of the Remote Commander becomes noticeably short, replace all the batteries with new ones. If the Remote Commander is not to be used for a long period of time, remove the batteries to avoid possible damage from battery leakage.

Remote Commander Precautions

Do not let sunlight or light from a powerful artificial light source fall directly on the Remote Commander sensor on the front panel as it may interfere with operation or damage the sensor.

Connections

Video and audio connection cord plug colors are indicated as yellow, white, and red. Make sure that the jacks of the equipment are properly connected to its corresponding colors.

To Connect to Audio System and to TV with Video Inputs

CONTROL S IN jack (mini type)

IN: Connect to the CONTROL S output jack of a TV. This unit can be remotely controlled by pointing the Remote Commander at the TV.

Use the optional RK-G69 connecting cord for the above connections.

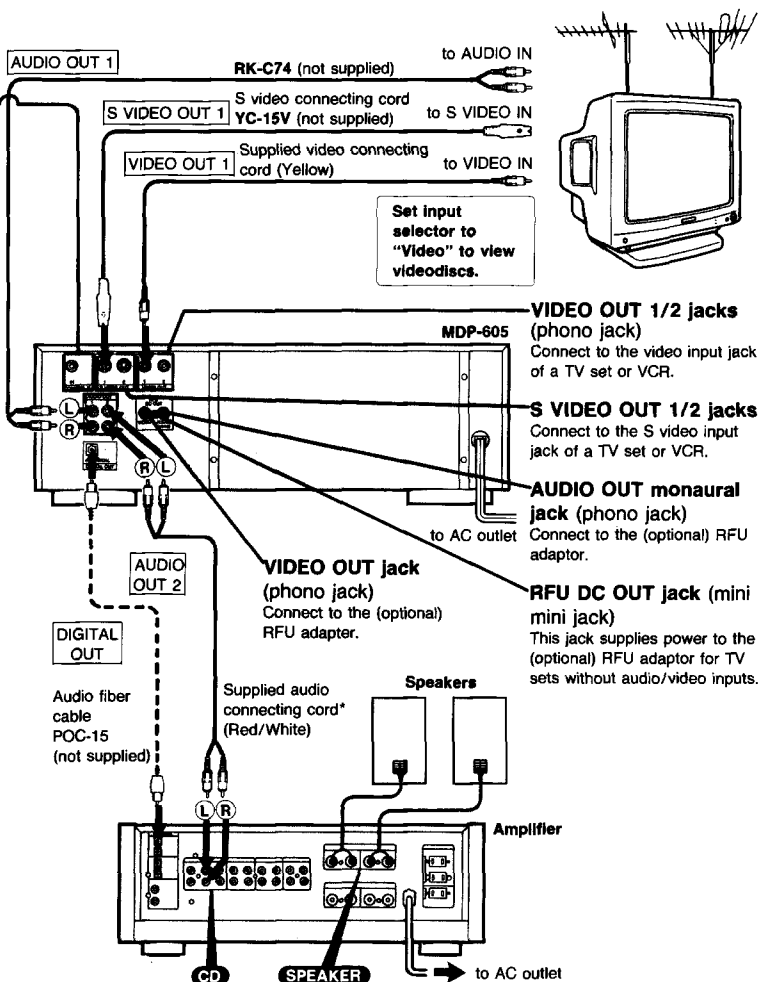
AUDIO OUT 1/2 jacks (phono jacks)

Connect to the audio input jacks of a TV set or the CD input jacks of an amplifier. The output signal will be the same – that is, digital or analog – depending on the signal recorded on the disc.

DIGITAL OUT connector (OPTICAL)

This jack permits optical fiber connection to an amplifier or D/A converter unit with optical input. For connection, use the optional audio fiber cable POC-15.

Discs that are not digitally recorded will not be output.



Precautions on connecting

- Make sure that all equipment is turned off before connecting or disconnecting any cables.
- Firmly insert the plugs into the jacks. A loose connection can lead to noise.
- When unplugging a cable, grasp the plug. Never pull the cable itself.
- To prevent interference, turn off all equipment connected, but not currently in use.
- If noise is emitted from the audio or video input, try moving the equipment further apart.

- Connection methods differ. When in doubt, consult the manufacturer's manual.

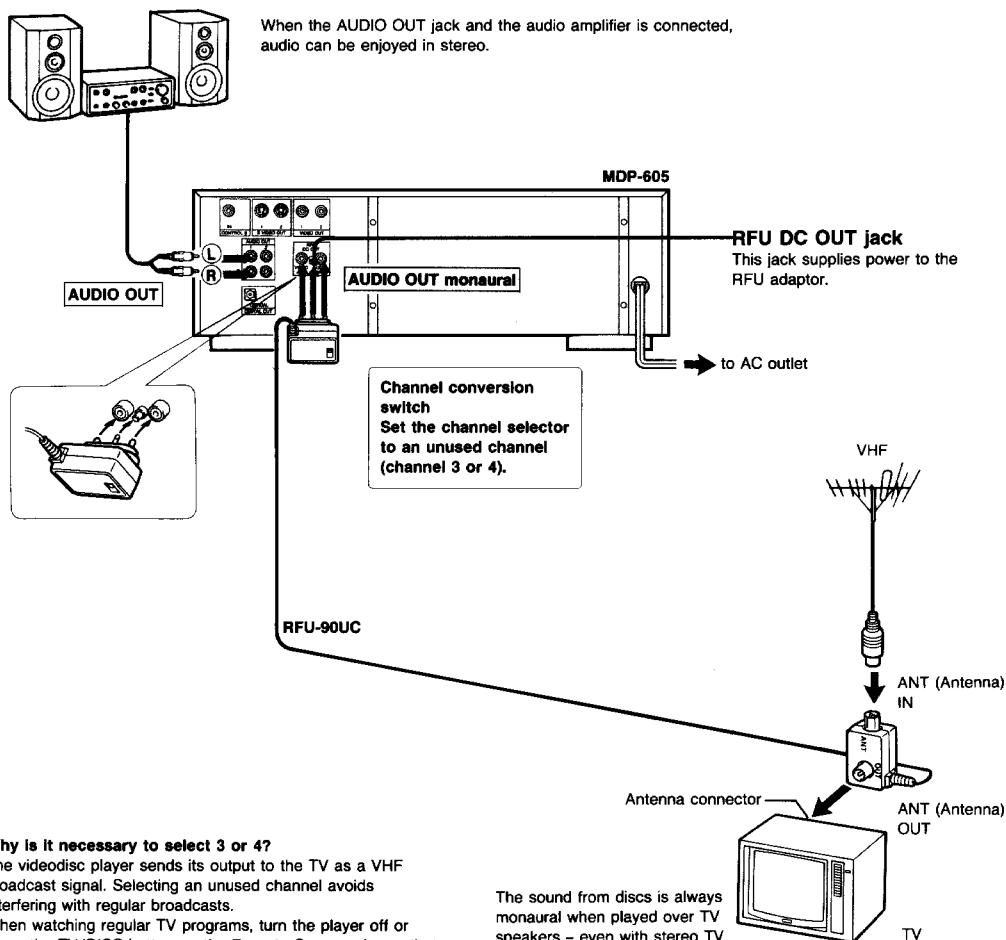
Connection of optical fiber cable

Remove protective cover. Plug connector in firmly.



To Connect to TV Without Audio/Video Inputs

For connection, use the supplied RFU adaptor RFU-90UC.



Why is it necessary to select 3 or 4?

The videodisc player sends its output to the TV as a VHF broadcast signal. Selecting an unused channel avoids interfering with regular broadcasts.

When watching regular TV programs, turn the player off or press the TV/DISC button on the Remote Commander so that you can obtain a better picture. If TV picture quality is not satisfactory, refer to the manufacturer's manual and adjust the reception.

The sound from discs is always monaural when played over TV speakers – even with stereo TV sets.

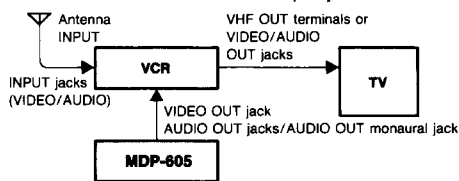
To obtain a better picture

Always switch off the player when watching a TV program.

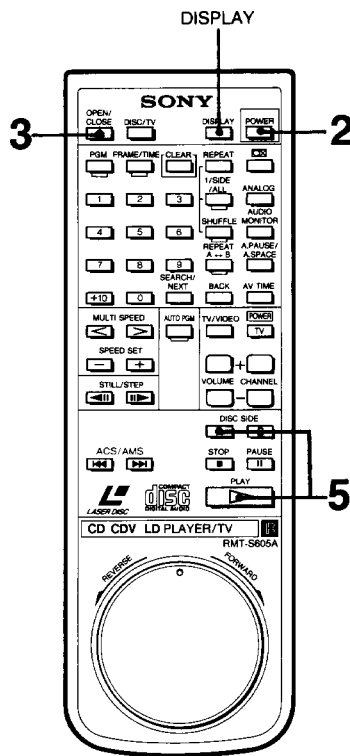
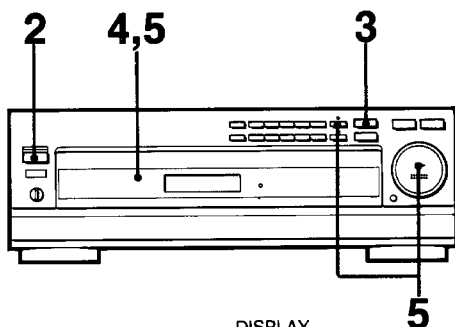
During FM or AM reception

Turn off the power of the player to prevent the possibility of noise interference.

To connect to the external video/audio inputs jacks of VCR.



To Play an LD



Notes on disc tray

Insert only one disc at a time. Incorrect placement of two or more discs may lead to malfunction.

Identical buttons on the main unit can also be used.

1 Turn on the TV and stereo system.

TV: Select the channel used for videodisc playback or the video input (channel 3 or 4). (See p. 10, 11)

Stereo system:

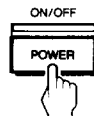
Turn on the amplifier or receiver and select the proper audio input [CD] or [AUX].

2 Turn on the player.

Remote Commander



Main Unit

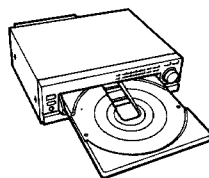


3 Open the disc tray.

Remote Commander

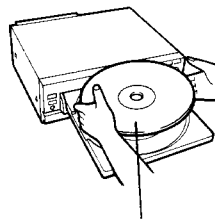


Main Unit



4 Place the disc on the tray.

Place the disc on the center of the tray. If the disc is not placed correctly, playback may not start.



Desired side faces up.

This player determines the sides on the disc, A or B, in the disc tray. The upper side is always A regardless of label A or B on the surfaces.

5 Start playback.

Remote Commander



or



Main Unit



or



Or push the disc tray compartment, then playback will also begin.

After inserting a disc, playback cannot be started by pressing CLOSE button on the main unit or OPEN/CLOSE button on the Remote Commander.

To pause at the beginning of a disc

Press the **||** button instead of conducting step 5. The tray closes, and the player pauses at the beginning of the disc side A.

To pause the first track of the side B, press the **SIDE B** button on the main unit or the **DISC SIDE B** button on the Remote Commander, then press **||** button.

AV calendar

When playing an LD containing TOC (Table of Contents) data, the AV calendar shows information on the total number of selections. As selections are played, its corresponding numbers on the display disappear.

To play the side B first

Press the **DISC SIDE B** button on the Remote Commander or the **SIDE B** button on the main unit instead of step 5.

After playback on side A is over

It plays the side B automatically after ending to play the side A. If the side B does not be recorded anything, it will stop.

Using an optional timer

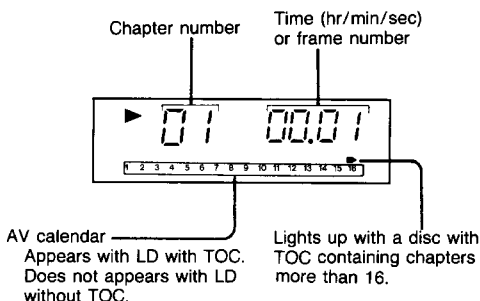
Set the timer after pressing **STOP** button on the unit to change the **STOP** indication from blinking to lighting on the screen. To start playback with an optional timer automatically, leave the **POWER** switch of the disc player in the depressed position. When the preset time arrives, the timer will supply power to the main unit and playback will begin at that point.

To turn the disc sides

In playing the side A: Press the **DISC SIDE B** button on the Remote Commander or the **SIDE B** button on the main unit.

In playing the side B: Press the **DISC SIDE A** button on the Remote Commander or the **SIDE A** button on the main unit.

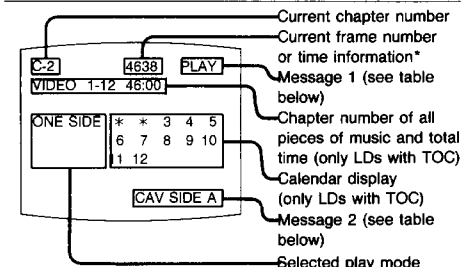
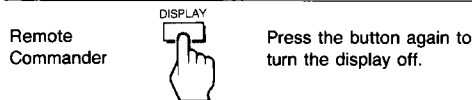
Display on playback message



Screen Messages

Information on the operating condition of the unit and chapter or track numbers can be superimposed on the TV or monitor screen. While no image is displayed, such as during search, information for LD is shown on a blue background.

To show the on-screen display



* Discs without time data to the second will be indicated as "22:".

Message 1

(Examples)

Display	Explanation
OPEN	Disc table open
CLOSE	Disc table closed
PLAY	Playback
STOP	Stop
PAUSE	Pause
⏮ / ⏭	Forward/reverse speed scan
SEARCH	Search
▶ x1/2	1/2 speed display in forward direction

Message 2

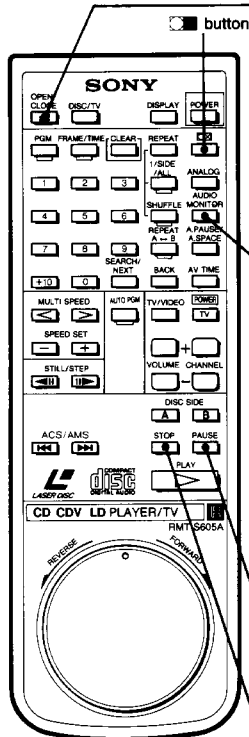
(Examples)

Display	Explanation
SIDE A CAV	Standard-play disc side A
SIDE B CAV	Standard-play disc side B
SIDE A CLV	Long-play disc side A
SIDE B CLV	Long-play disc side B
1/L	Main soundtrack/left channel
2/R	Second soundtrack/right channel
⬆ DIGITAL	Digital sound
⬆ ANALOG	Analog sound

Note

This player determines the side on the disc, A or B, in the disc tray. The upper side is always A regardless of label A or B on the surfaces.

To Play an LD







Identical buttons on the main unit can also be used.




To switch between digital and analog sound on an LD

If the LD contains a digital stereo sound signal, the player automatically sends that to the output jacks. Pressing the ANALOG button on the Remote Commander switches to the analog audio signal and turns the DIGITAL SOUND indicator off. Press the ANALOG button again to return to digital sound output.

With certain discs, there may be a difference in sound level between the digital and the analog sound.

Discs with Label


Discs bearing the  label are recorded with the  noise reduction system, which gives lower noise levels and higher dynamic range. Press  button on the Remote Commander, and the  indication is displayed for 3 seconds at the right bottom on the screen.

Some  discs do not include the code necessary to automatically activate the player's  noise reduction system. In this case, press the  button on the Remote Commander to manually activate the system.


To stop playback and remove disc

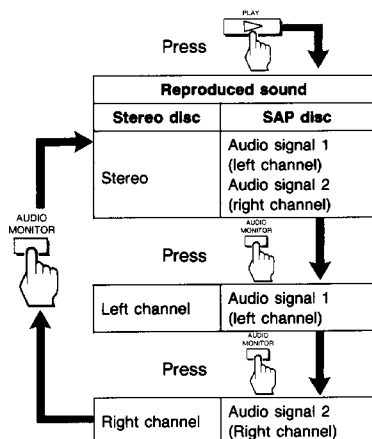
OPEN/
CLOSE



Remove the disc and press the  OPEN/CLOSE button (or CLOSE button on the unit) to close the empty tray.

To play a stereo LD or a second audio program (SAP) LD



Press the playback () button, then press the AUDIO MONITOR button repeatedly to select the sound in the following information.



To temporarily interrupt playback

PAUSE




When playing CAV discs, the sound is cut off and a still picture is shown. When playing other discs, the unit enters the pause mode (blue or dark gray screen). To resume playback from the same point, press the  or  button.

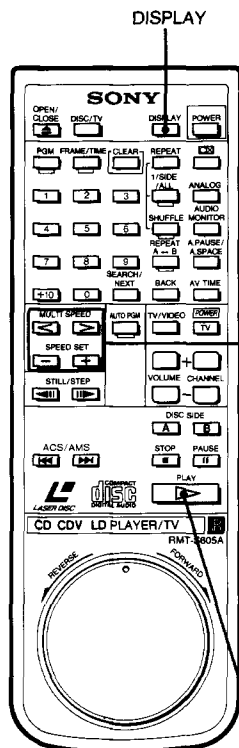
To stop playback

STOP



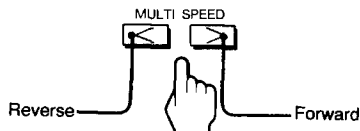
Press the  button to restart playback from the beginning of the disc.

To Change Playback Speed and Direction – Speed Play (CAV standard-play)



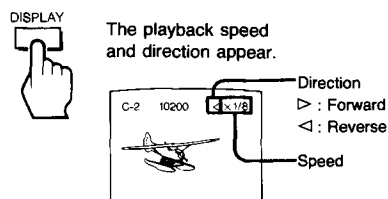
Speed and Direction

- To select the playback direction.

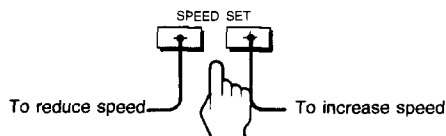


The direction can be changed regardless of playback speed.

- To display the speed and direction

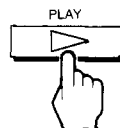


- To select the playback speed.



Speed Indication	Speed (approx.)	Speed Indication	Speed (approx.)
\boxplus		x1/4	1/4 normal speed
Faster		x1/8	1/8 normal speed
x10	10 times normal speed	x1/16	1/16 normal speed
x5	5 times normal speed	x1/30	1/30 normal speed
x3	3 times normal speed	x1/90	1/90 normal speed
x2	2 times normal speed	Slower	
x1	Normal speed	\boxminus	
x1/2	1/2 normal speed		

To resume normal playback



• Sound during speed play

Audio output occurs only during $\times 1$ (normal) speed play in the forward direction. There is no sound for other speed and direction combinations.

• Extended-play discs (CLV) (See p. 2)

Speed play, freeze frame and step playback are not possible with CLV discs.

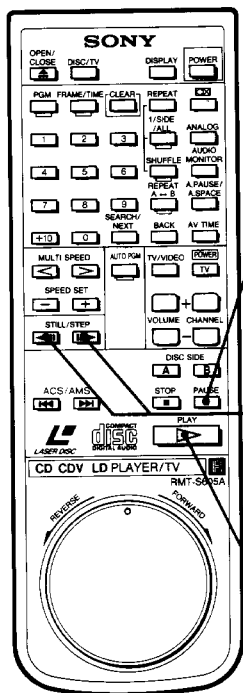
Disc with automatic picture stop code

When a automatic picture stop code is encountered during speed playback (at $\times 1$, 1/2, 1/4, 1/8, 1/16, 1/30, 1/90), the unit automatically stops at that frame.

To resume normal playback, press \triangleright button, or to continue the speed playback, press $\triangleleft/\triangleright$ buttons.

To Play an LD

To Play Frame by Frame – Freeze-frame, STEP playback (CAV standard play)



To view a still picture: – Freeze-frame



The screen stops at the current frame.

To view a frame one by one: – STEP playback

1.

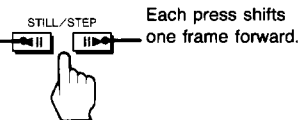


Press once for freeze-frame.

2.

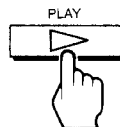


Each press shifts one frame backward.



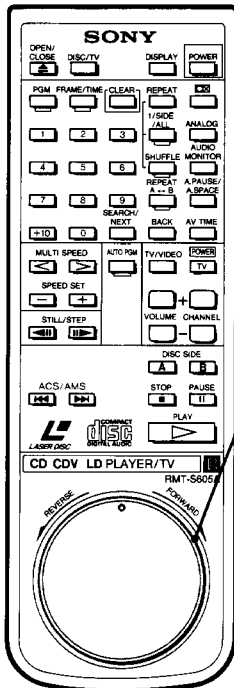
Hold the button down for continuous step playback.
You can also use the STILL/STEP button during playback.

To resume normal playback



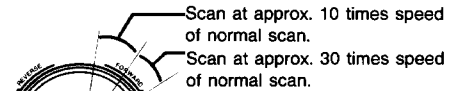
- **During freeze-frame or step playback operation**
There is no sound.
- **Extended-play (CLV) discs**
Speed play, freeze frame and step playback are not possible with CLV discs.
When the PAUSE button is pressed, the screen becomes blue.

To Search for a Particular Scene – Dual Speed Clear Scan



To forward or reverse speed clear scan

The playback speed can be changed depending on the degree of the shuttle ring.

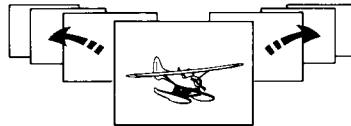


To scan
in reverse



To scan forward

Identical speeds are available
for reverse speed scan.



Scanning continues until the shuttle ring is released.

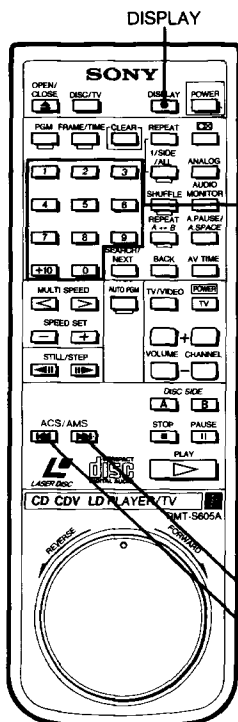
While scanning in either direction

- There is no sound.
- Scanning speed varies as the laser beam moves away from the center of the CLV disc. In addition, the image during scanning with a CLV disc will skip, though the image itself is stable by the clear scan function.
- A certain amount of noise is inevitable with all scanning operations.

To Play an LD

Searching by Chapter/Track Number – Chapter/Track Search

Chapters are contained in a disc. LDs are divided into sections called chapters. Such discs usually have a list of chapters on the jacket or label.



To check the current chapter and frame/time numbers
These numbers appear in the display window on the player.
Or to display them on the screen, press the DISPLAY button on the Remote Commander.

To enter a number greater than 10

Use the +10 and 0 buttons.

Examples: 10: $\boxed{+10} \rightarrow \boxed{0}$
14: $\boxed{+10} \rightarrow \boxed{4}$
20: $\boxed{+10} \rightarrow \boxed{+10} \rightarrow \boxed{0}$

If the +10 button is pressed by mistake

Press the +10 button repeatedly until -- or 1 is displayed.

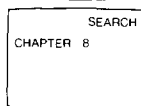
Notes

- The chapter search feature will not function if the disc does not include chapter numbers. In this case, the screen message will give only frame or time numbers.
- As for a disc with TOC (see p. 18), if a chapter number not included in the disc is entered, the entry will be ignored.
- As for a disc without TOC, if a chapter number not included in side A is entered, the player will display the last picture of side A and then the whole side B and will stop. If a chapter number not included in side B is entered, the player will display the last picture of side B and will stop.

Direct chapter or track search

Example: Locate the beginning of chapter 8.

Press the "8" button.



Searching for chapter 8



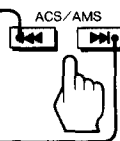
Finds Chapter 8, and playback starts.

- If you have pressed the wrong number, simply press the correct one.
- Search can be conducted while in freeze-frame, speed play, and pause condition as well as normal playback. When the desired chapter appears after search, playback will continue in the same mode.

Skip chapter search

Press the $\boxed{\ll}$ button once to return to the beginning of the current chapter.

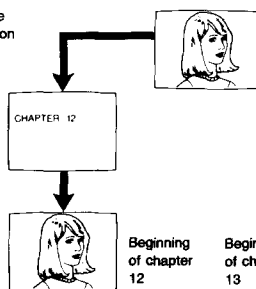
Press the $\boxed{\ll}$ button twice – before the picture reappears – to return to the beginning of the previous chapter.



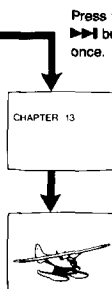
Press the $\boxed{\gg}$ button to advance to the beginning of the next chapter.

Example: Current chapter = 12

Press the $\boxed{\ll}$ button once.



Press the $\boxed{\gg}$ button once.



Searching by Frame Number/Time – Frame/Time Search

Frame search – For CAV (standard-play) discs only

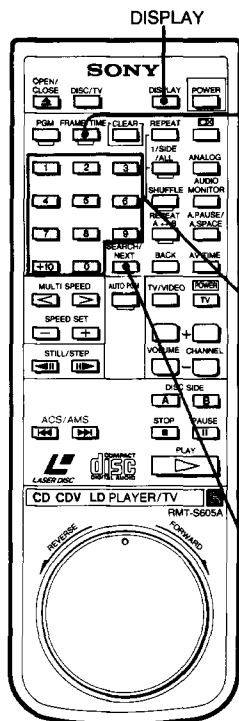
Enter the frame number to search for a particular scene.

- Each picture on a standard-play disc is called as a frame.

Time search – For CLV (extended-play) discs only

Enter the time to search for a particular scene.

- Extended-play discs keep track of positions as elapsed time from the beginning of the disc.



1 Press the FRAME/TIME button.

CAV (standard-play) disc

CLV (extended-play) disc



2 Enter the desired frame or time numerals.

- CAV (standard-play) disc

Example: Locate frame number 12340.

Press the number buttons in the following order.

1 → **2** → **3** → **4** → **0**

- CLV (extended-play) disc

Example: Locate the 12 min 05 sec point.

Press the number buttons in the following order.

1 → **2** → **0** → **5**

If you make a mistake

Press the FRAME/TIME button once more to return the display indication to zero, and then enter the correct numbers as follows.

For CAV – five digits

For CLV with seconds – four digits

For CLV without seconds – two digits

3 Press the SEARCH/NEXT button.

SEARCH
/NEXT



Playback starts at the specified number in step 2.

Search can be conducted while in freeze-frame, speed play, and pause condition as well as normal playback. When the desired frame or time appears after search, playback will continue in the same mode.

To cancel frame/time search

Before pressing the SEARCH/NEXT button, press the CLEAR button.

To check the current frame/time numbers

These numbers appear in the display window on the player. Or to display them on the screen, press the DISPLAY button on the Remote Commander.

Notes

- If a frame/time number not contained on a disc is entered, the playback stops.
- If the disc does not include seconds-unit time data, enter the time in minutes only.