SONY
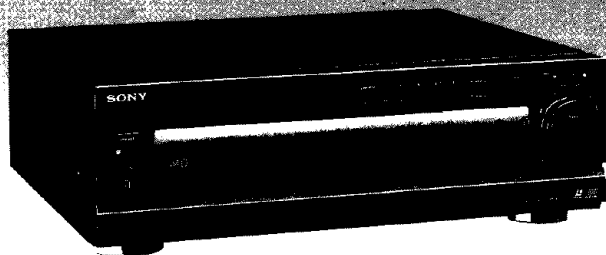
MDP-605
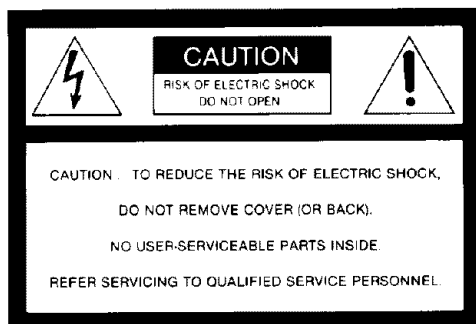
The model number is located at the rear. The serial number is located on the top panel. Record the serial number in the space provided below.
Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. MDP-605 Serial No._____

WARNING

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

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK,

DO NOT REMOVE COVER (OR BACK).

NO USER-SERVICEABLE PARTS INSIDE.

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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.

Contents

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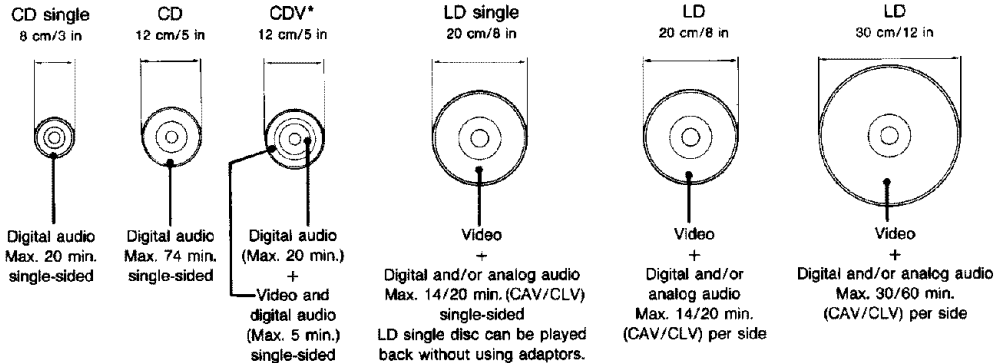
If you have any question or problem concerning your unit, please contact your nearest Sony dealer.

For the customers in the USA
For detailed safety precautions see the leaflet "IMPORTANT SAFEGUARDS".

4

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

CD single	CD	CDV*	LD single	LD	LD
8 cm/3 in	12 cm/5 in	12 cm/5 in	20 cm/8 in	20 cm/8 in	30 cm/12 in

Digital audio	Digital audio	Digital audio	Video	Video	Video
Max. 20 min.	Max. 74 min.	(Max. 20 min.)	+	+	+
single-sided	single-sided	+	Digital and/or analog audio	Digital and/or	Digital and/or analog audio
		Video and	Max. 14/20 min. (CAV/CLV)	analog audio	Max. 30/60 min.
		digital audio	single-sided	Max. 14/20 min.	(CAV/CLV) per side
		(Max. 5 min.)	LD single disc can be played	(CAV/CLV) per side	
		single-sided	back without using adaptors.		

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.

CD VIDEO   **L'** *LaserVision*   *LaserDisc*

**L'** *LASER DISC*   **digital SOUND**   **digital AUDIO**   **COMPACT disc DIGITAL AUDIO**

• 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

AUTO PGM (program) button ⑳

Disc tray ⑫, ㉑

POWER switch and indicator ⑫, ㉑

Remote control sensor
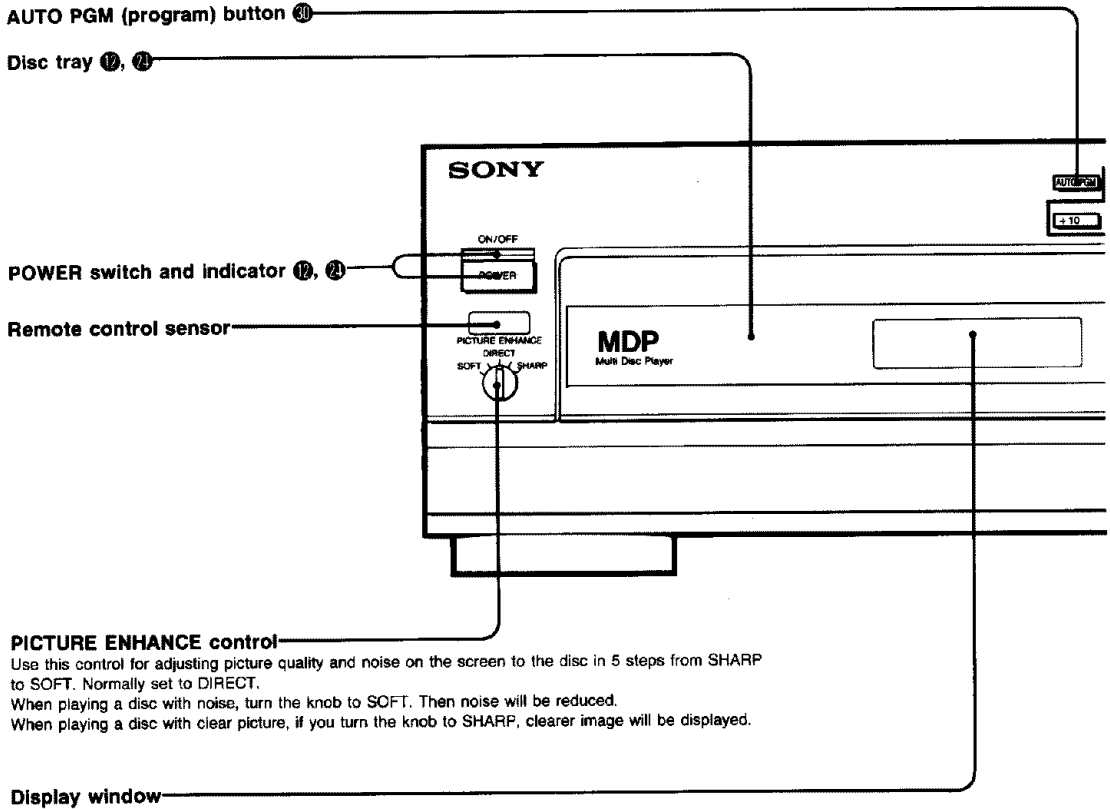
PICTURE ENHANCE control

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 ↔ phone 1) |

⑥

Number buttons

SIDE A button and indicator ⓬, ⓭

SIDE B button and indicator ⓭

⏏ OPEN button
To open Disc tray.

CLOSE button
To close Disc tray.

⏸ Pause button ⓮, ㉕

■ STOP button ⓮, ㉖

Shuttle ring ⓱, ㉗
Utilize for forward or reverse speed scan.

▷ Play button

FL DISPLAY (on/off) button
To display disc information, select on. If disc
information is not needed, select off.
The screen color can be changed as follows:
On – Blue screen
Off – Dark gray screen

DIGITAL SOUND indicator ⓭
Normally lights up.
When you select the analog sound playback with
the ANALOG button on the remote commander
or the playback of the analog sound only, this
indicator will goes off.

What is this indication?

OFF   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
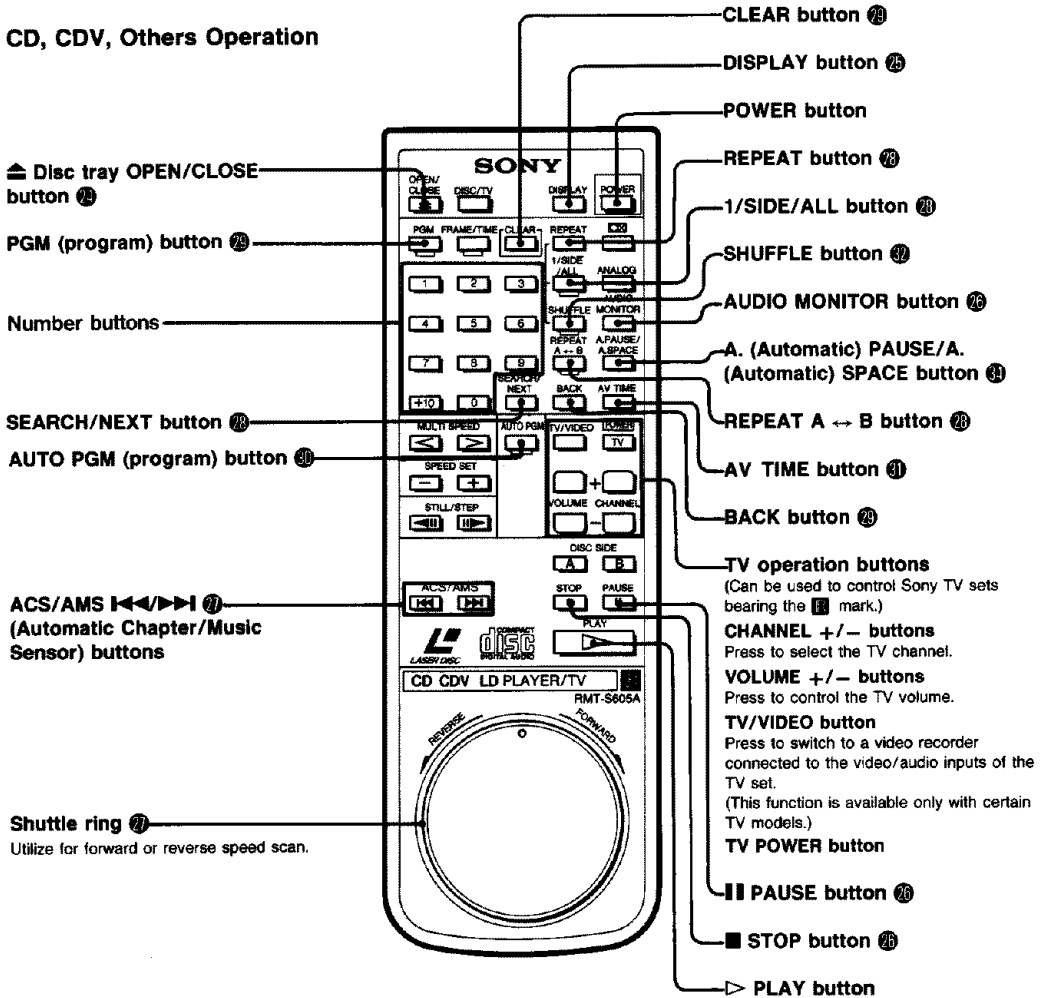cut off after few seconds to stop rotation of the disc completely.

Audio connecting cord
(phono 2 ↔ phono 2)

RFU adaptor RFU-90UC (1)

Remote Commander

LD Operation

DISC/TV button

▲ Disc tray OPEN/CLOSE button ❷

FRAME/TIME button ❽

PGM program button ❼

Number buttons

SEARCH/NEXT button ❿

</> MULTI SPEED buttons ⓯
+/- SPEED SET buttons

STILL/STEP ◀ II/II ▶ buttons ⓰

ACS/AMS I◀◀/▶▶I ❽
(Automatic Chapter/Music Sensor) buttons

Shuttle ring ⓱
Utilize for forward or reverse speed scan.

CLEAR button ❹

DISPLAY button ❽

POWER button

⬛ button ⓫

REPEAT button ㉕

ANALOG audio button ⓭

1/SIDE/ALL button ㉖

AUDIO MONITOR button ⓮

SHUFFLE button ㉜

A. (Automatic) PAUSE/A. (Automatic) SPACE button ㉝

REPEAT A ↔ B button ㉑

AV TIME button ㉟

BACK button ㉓

AUTO PGM button ㉚
Auto program can be made on an LD with TOC.

DISC SIDE B button ⓭

DISC SIDE A button ⓬

II PAUSE button ⓫

■ STOP button ⓫

▷ PLAY button

⬜ 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.

❽

CD, CDV, Others Operation

CLEAR button ⓪

DISPLAY button ㉕

POWER button

REPEAT button ㉓

⏏ Disc tray OPEN/CLOSE button ㉖

1/SIDE/ALL button ㉑

PGM (program) button ㉙

SHUFFLE button ㉜

AUDIO MONITOR button ㉖

Number buttons

A. (Automatic) PAUSE/A. (Automatic) SPACE button ㉝

REPEAT A ↔ B button ㉘

SEARCH/NEXT button ㉜

AUTO PGM (program) button ㉚

AV TIME button ㉑

BACK button ㉙

TV operation buttons
(Can be used to control Sony TV sets bearing the ▓ mark.)

ACS/AMS |◀◀/▶▶| ㉟
(Automatic Chapter/Music Sensor) buttons

CHANNEL +/− buttons
Press to select the TV channel.

VOLUME +/− buttons
Press to control the TV volume.

TV/VIDEO button
Press to switch to a video recorder connected to the video/audio inputs of the TV set.
(This function is available only with certain TV models.)

TV POWER button

Shuttle ring ㉟
Utilize for forward or reverse speed scan.

▌▌ PAUSE button ㉖

■ STOP button ㉖

▷ PLAY button

9

Connections

To Connect to Audio System and to TV with Video Inputs

AUDIO OUT 1 — RK-C74 (not supplied) — to AUDIO IN

CONTROL S IN jack (mini type)

S VIDEO OUT 1 — S video connecting cord YC-15V (not supplied) — to S VIDEO IN

VIDEO OUT 1 — Supplied video connecting cord (Yellow) — to VIDEO IN

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.

Set input selector to "Video" to view videodiscs.

MDP-605

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.

VIDEO OUT 1/2 jacks (phono jack)
Connect to the video input jack of a TV set or VCR.

S VIDEO OUT 1/2 jacks
Connect to the S video input jack of a TV set or VCR.

AUDIO OUT monaural jack (phono jack)
Connect to the (optional) RFU adaptor.
to AC outlet

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.

AUDIO OUT 2

DIGITAL OUT

Audio fiber cable POC-15 (not supplied)

VIDEO OUT jack (phono jack)
Connect to the (optional) RFU adapter.

Supplied audio connecting cord* (Red/White)

Speakers

RFU DC OUT jack (mini mini jack)
This jack supplies power to the (optional) RFU adaptor for TV sets without audio/video inputs.

Amplifier

CD   SPEAKER   to AC outlet
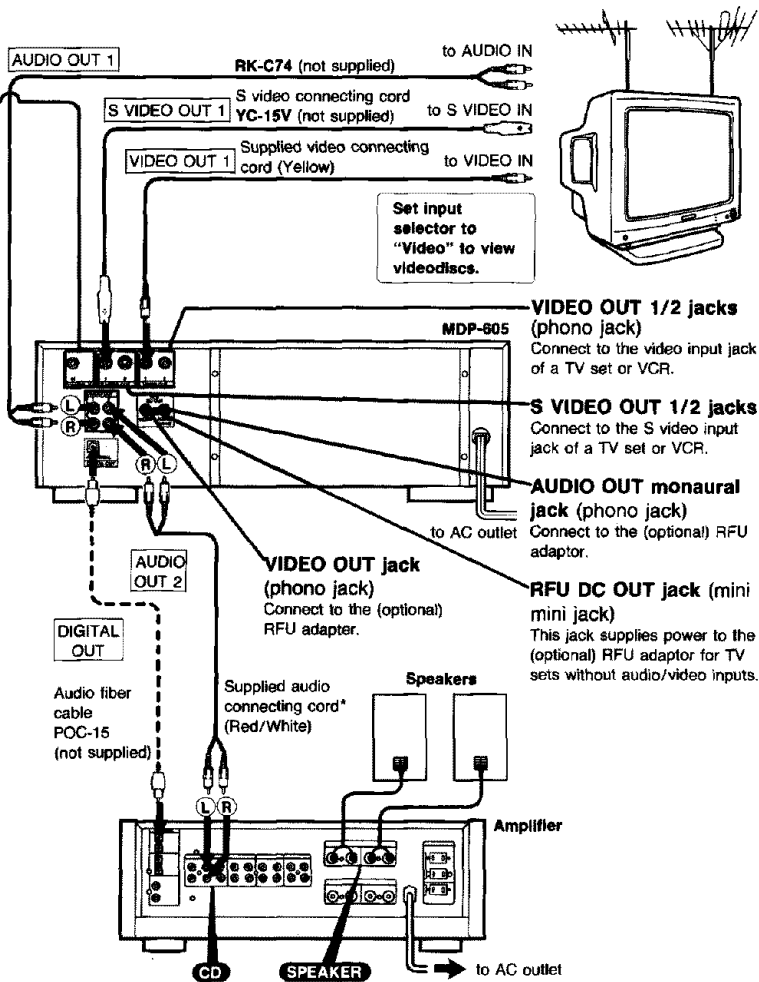
* You can connect the player's audio output to the TV instead of an audio system. If the TV set has only a monaural phono jack for audio, use the VMC-720M/730M connecting cord (not supplied).

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.
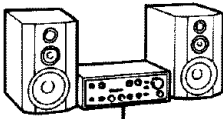
When the AUDIO OUT jack and the audio amplifier is connected, audio can be enjoyed in stereo.

MDP-605

AUDIO OUT

AUDIO OUT monaural

RFU DC OUT jack
This jack supplies power to the RFU adaptor.

to AC outlet

Channel conversion switch
Set the channel selector to an unused channel (channel 3 or 4).

VHF

RFU-90UC

ANT (Antenna)
IN

Antenna connector

ANT (Antenna)
OUT
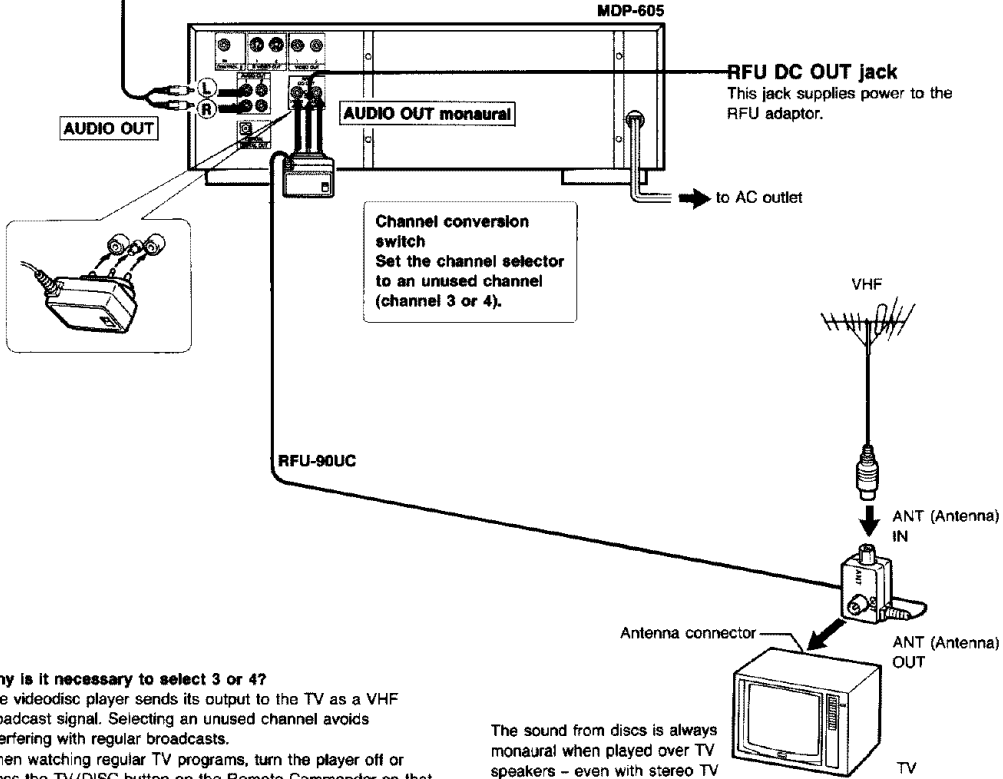
Why is it necessary to select 3 or 4?
The videodisc player sends its output to the TV as a VHF broadcast signal. Selecting an unused channel avoids interfering with regular broadcasts.
When watching regular TV programs, turn the player off or press the TV/DISC button on the Remote Commander so that you 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.

TV

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.

Antenna
INPUT

VHF OUT terminals or
VIDEO/AUDIO
OUT jacks

INPUT jacks
(VIDEO/AUDIO)

VCR

TV

VIDEO OUT jack
AUDIO OUT jacks/AUDIO OUT monaural jack

MDP-605

⑪

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.
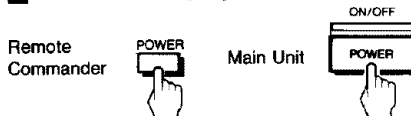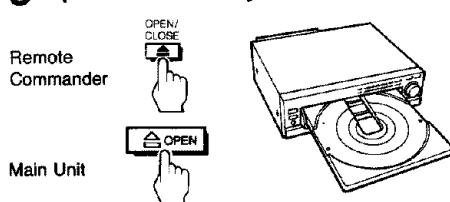
Remote Commander   POWER   Main Unit   ON/OFF POWER

3 Open the disc tray.

Remote Commander   OPEN/CLOSE ▲

Main Unit   ▲ OPEN

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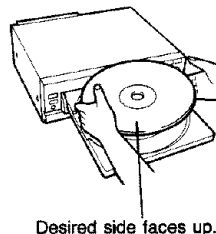
This player determines the sides on the disc, A or B, in the disc tray. The upper side is always A regardless of label A or B on the surfaces.

Desired side faces up.

5 Start playback.

Remote Commander   Main Unit

PLAY ▷   or   DISC SIDE A B   or   SIDE A
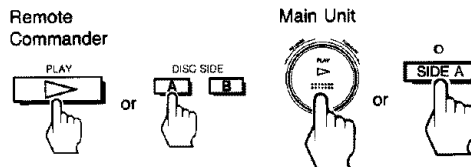
Or push the disc tray compartment, then playback will also begin.

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

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.

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 massage
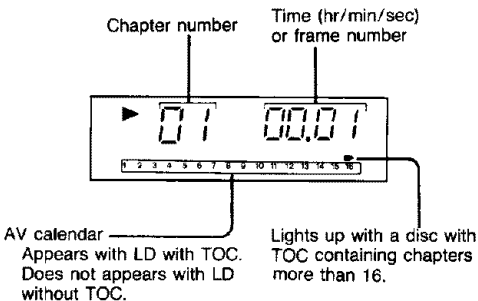
Chapter number | Time (hr/min/sec) or frame number

AV calendar
Appears with LD with TOC.
Does not appears with LD without TOC.

Lights up with a disc with TOC containing chapters more than 16.

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

Remote Commander | Press the button again to turn the display off.

Current chapter number
Current frame number or time information*
Message 1 (see table below)
Chapter number of all pieces of music and total time (only LDs with TOC)
Calendar display (only LDs with TOC)
Message 2 (see table below)
Selected play mode
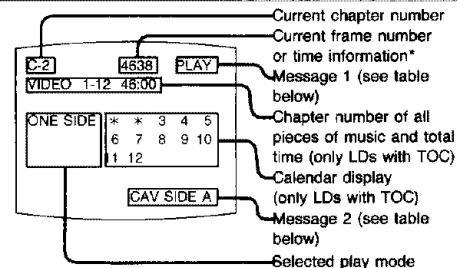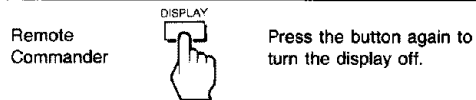
* Discs without time data to the second will be indicated as "22:".

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.

13

[□■] button

SONY

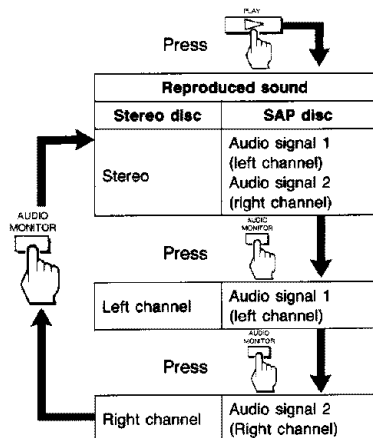Identical buttons on the
main unit can also be
used.

**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.

Press

Reproduced sound	
Stereo disc	**SAP disc**
Stereo	Audio signal 1 (left channel) Audio signal 2 (right channel)

AUDIO
MONITOR

Press

Left channel	Audio signal 1 (left channel)

Press

Right channel	Audio signal 2 (Right channel)

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)
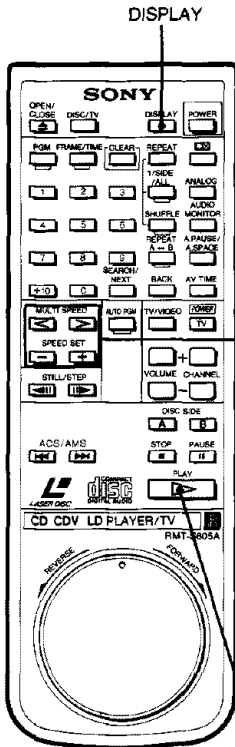
DISPLAY

Speed and Direction

• To select the playback direction.

MULTI SPEED

Reverse ⸺ Forward
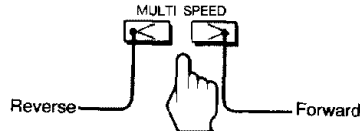
The direction can be changed regardless of playback speed.

• To display the speed and direction

DISPLAY

The playback speed and direction appear.

C-2   10200   ◁ x 1/8

Direction
▷ : Forward
◁ : Reverse
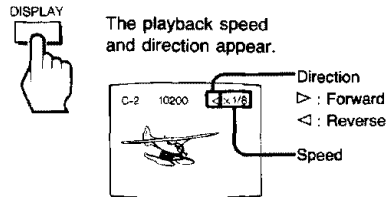
Speed

• To select the playback speed.

SPEED SET

To reduce speed ⸺ To increase speed
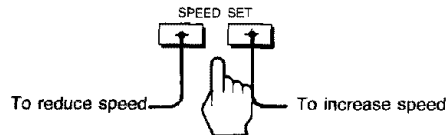
Speed Indication	Speed (approx.)	Speed Indication	Speed (approx.)
⊞ Faster		x1/4	1/4 normal speed
		x1/8	1/8 normal speed
x10	10 times normal speed	x1/16	1/16 normal speed
		x1/30	1/30 normal speed
x5	5 times normal speed	x1/90	1/90 normal speed
x3	3 times normal speed	Slower	
		⊟	
x2	2 times normal speed		
x1	Normal speed		
x1/2	1/2 normal speed		

To resume normal playback
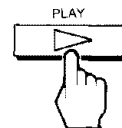
PLAY

• **Sound during speed play**
Audio output occurs only during × 1 (normal) speed play in the forward direction. There is no sound for other speed and direction combinations.

• **Extended-play discs (CLV) (See p. ⓐ)**
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 × 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 ▷ button, or to continue the speed playback, press ◁ / ▷ buttons.

To Play Frame by Frame – Freeze-frame, STEP playback (CAV standard play)
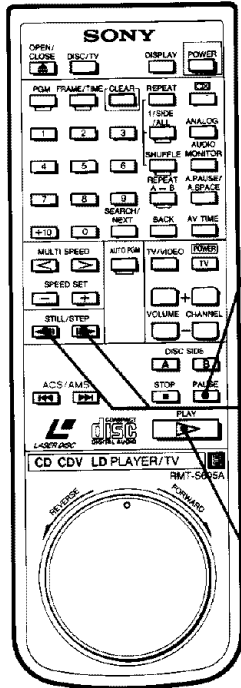
To view a still picture: – Freeze-frame

PAUSE

The screen stops
at the current
frame.

To view a frame one by one: – STEP playback

1.

PAUSE

Press once for
freeze-frame.

2.

| Each press shifts one frame backward. | STILL/STEP | Each press shifts one frame forward. |
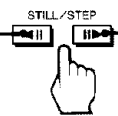
Hold the button down for continuous step playback.
You can also use the STILL/STEP button during playback.

To resume normal playback
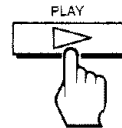
PLAY

• **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 ▮▮ button is pressed, the screen becomes blue.

To Search for a Particular Scene – Dual Speed Clear Scan

SONY
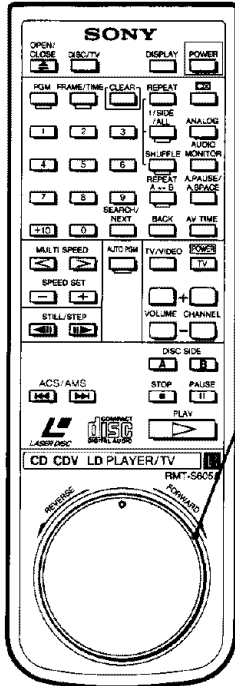
To forward or reverse speed clear scan

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

Scan at approx. 10 times speed of normal scan.

Scan at approx. 30 times speed of normal scan.
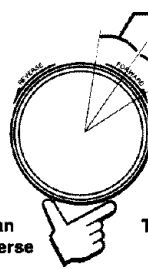
To scan in reverse

To scan forward

Identical speeds are available for reverse speed scan.
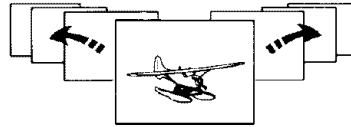
Scanning continues until the shuttle ring is released.

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.

17

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.

DISPLAY
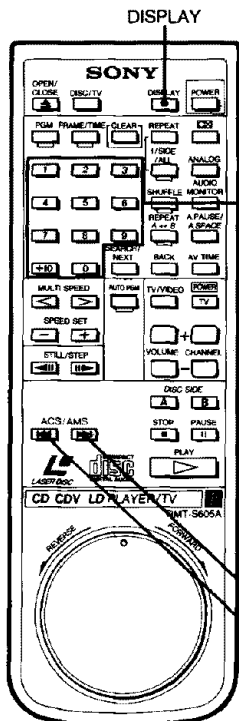
Direct chapter or track search

Example: Locate the beginning of chapter 8.

Press the "8" button.
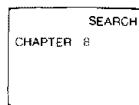
SEARCH
CHAPTER 8

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 |◀◀ button once to return to the beginning of the current chapter.
Press the |◀◀ button twice – before the picture reappears – to return to the beginning of the previous chapter.

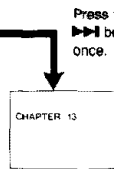Press the ▶▶| button to advance to the beginning of the next chapter.

ACS/AMS
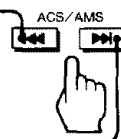
Example: Current chapter = 12

Press the
|◀◀ button
once.

Press the
▶▶| button
once.

CHAPTER 12

CHAPTER 13

Beginning   Beginning
of chapter   of chapter
12   13

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: +10 → 0
14: +10 → 4
20: +10 → +10 → 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. ⊜), 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.

18

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.

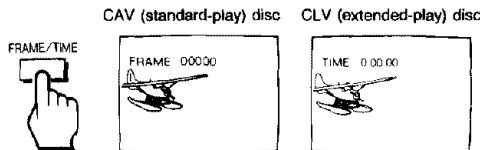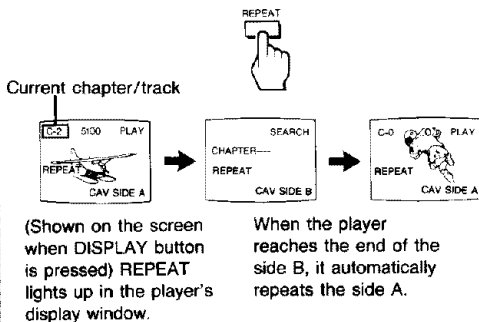• Each picture on a standard-play disc is called as a frame.

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.

DISPLAY

1 Press the FRAME/TIME button.

CAV (standard-play) disc   CLV (extended-play) disc

FRAME/TIME

FRAME 00000   TIME 0 00 00
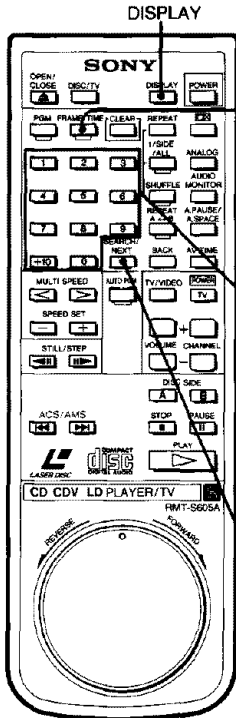
2 Enter the desired frame or time numerals.

• 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.

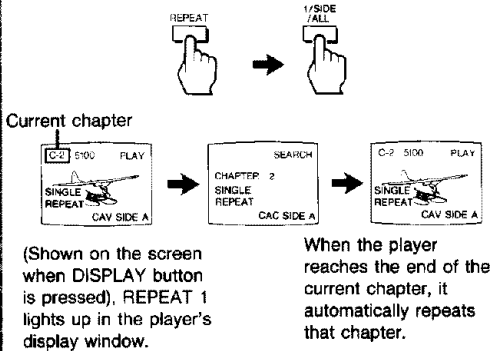• If the disc does not include seconds-unit time data, enter the time in minutes only.
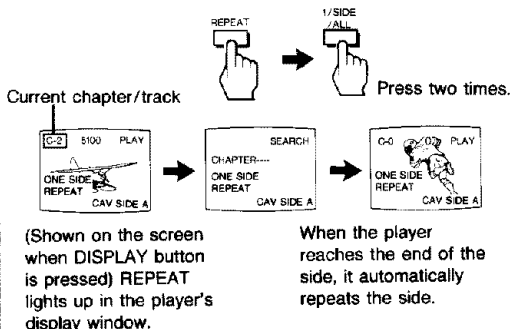
19

To Play Repeatedly – Repeat Playback

DISPLAY

SONY

CD CDV LD PLAYER/TV
RMT-S605A
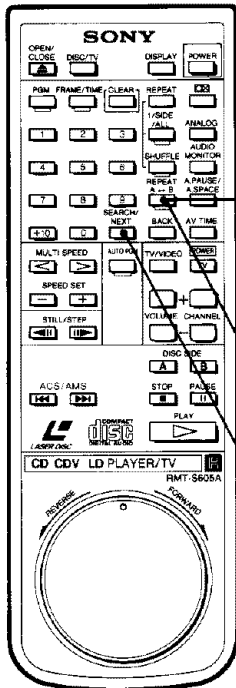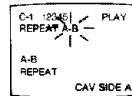
To check the current status
Press the DISPLAY button on the Remote Commander to display the message on the screen.
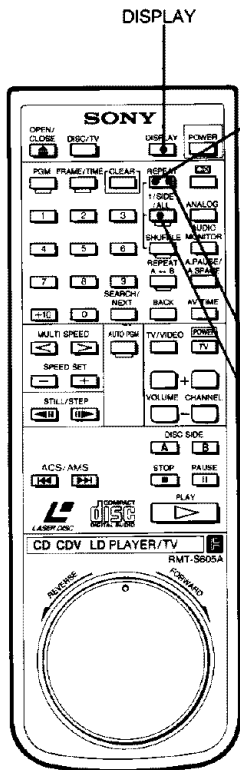
To repeat the entire both sides of the disc
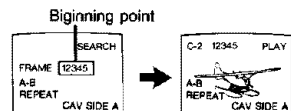
REPEAT

Current chapter/track

(Shown on the screen when DISPLAY button is pressed) REPEAT lights up in the player's display window.

When the player reaches the end of the side B, it automatically repeats the side A.

To repeat the current chapter

REPEAT   1/SIDE /ALL

Current chapter

(Shown on the screen when DISPLAY button is pressed), REPEAT 1 lights up in the player's display window.

When the player reaches the end of the current chapter, it automatically repeats that chapter.

To repeat the entire side of the disc

REPEAT   1/SIDE /ALL

Current chapter/track   Press two times.

(Shown on the screen when DISPLAY button is pressed) REPEAT lights up in the player's display window.

When the player reaches the end of the side, it automatically repeats the side.

20

To repeat a specific section of a disc
-A ↔ B Repeat

1 At the beginning of desired section

REPEAT
A ↔ B

(Shown on the screen when DISPLAY button is pressed)
A ↔ B lights up in the player's display window.

2 At the end of desired section

REPEAT
A ↔ B

Biginning point

Unit returns to the beginning of specified section and repeats playback.

To return to a specific point – Memory search

1 At the beginning of a desired point
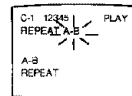
REPEAT
A ↔ B

(Shown on the screen when DISPLAY button is pressed)
A-B blinks in the player's display window.

2 To return to the desired point
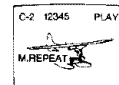
SEARCH
/NEXT

Unit returns to the beginning of specified section and repeats playback.

To cancel A ↔ B repeat and Memory search
Press the CLEAR button.

To cancel repeat functions other than A ↔ B
Press the REPEAT button again to cancel the REPEAT indication in the display window.

Note
A↔B Repeat and Memory Search do not function on LDs that do not contain time data to second.

SONY

CD CDV LD PLAYER/TV   RMT-S605A

To Play Only Certain Chapters – Program Playback

Example: Play LD chapters the side A 1,2,3 the side B 12,14 the side A 7 – in that order.
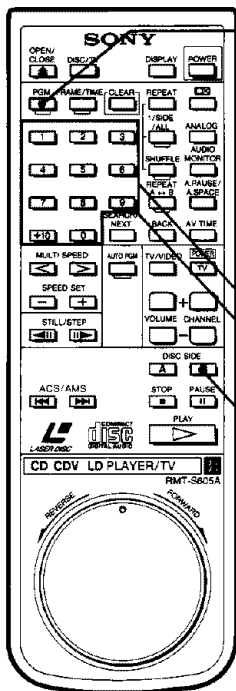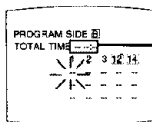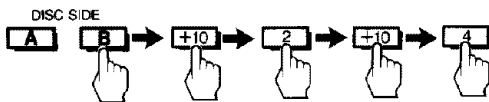

1 Press the PGM button.
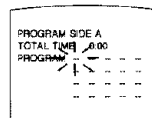
PGM indication lights in the player's display window.

2 Press the Number button 1,2,3.
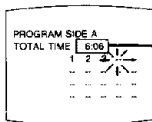
For LDs containing TOC (Table of Contents) data, the total playback time of programmed chapters is shown.

3 Press the DISC SIDE B, then input 12,14 to press the Number button.

The total playback time shows only the side A program.
It will be disappeared when it changes to the side B.
Only the information of side A is displayed in the display window on the player, when programming a chapter with the number up to 19, total playback time will be displayed.

To enter chapter numbers over 10
Use the +10 and 0 buttons.
Examples: To enter 10: +10 → 0
To enter 14: +10 → 4
To enter 20: +10 → +10 → 0

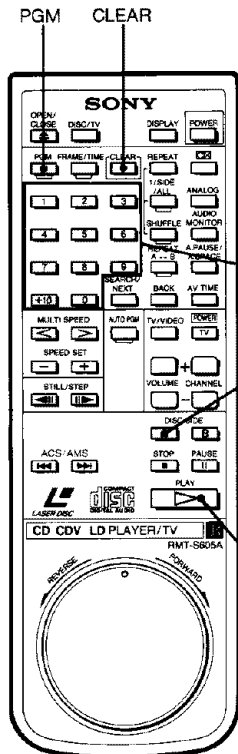**If the +10 button is pressed by mistake**
Press the +10 button repeatedly until – – or 1 – is displayed.
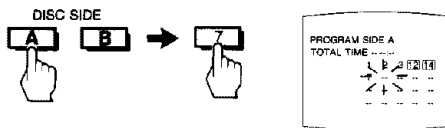
To set a pause between programs
Press **II** button at the desired point between programs in step 2, 3 or 4.
When the player reached the pause point in playback, it goes into pause mode.
To play again, press ▷ button.

PGM   CLEAR
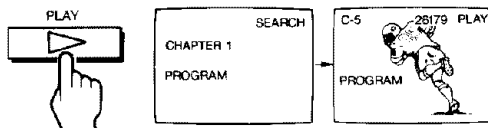
SONY

CD CDV LD PLAYER/TV
RMT-S605A

REVERSE   FORWARD

To release or cancel program playback
Press the CLEAR button or the 1/SIDE/ALL button. The unit resumes normal playback.
To repeat program playback
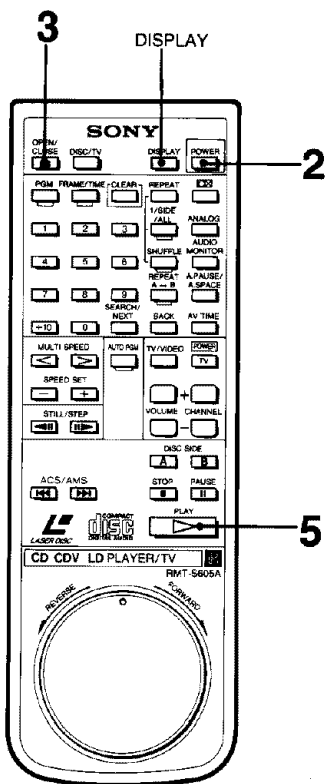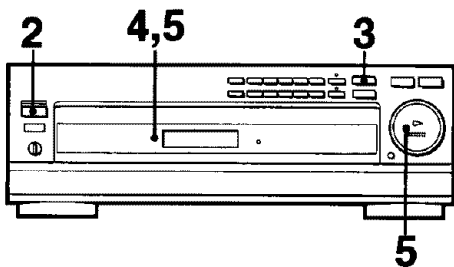Press the REPEAT button, then the REPEAT is displayed.
To move to a preceding or following programmed chapter
Press the I◄◄ or ►►I button.
To check the program contents during program playback
When nothing is displayed on the screen, press the PGM button. The program is displayed for about 3 seconds. The currently playing program number will flash.

Cautions
• When the shuttle ring is kept turned to the forward direction during program playback and the playback comes to the end of the current selection, the next programmed chapter will be played back. When the shuttle ring is kept turned to the reverse direction, the unit will not go back to previous chapters. If you want to move a preceding programmed chapter, keep I◄◄ button pressed until the desired programmed number comes up.
• If not-existing chapter numbers on a disc are entered, skipping the chapters and tracks entered, the next program will be performed.
• Programmed contents are stored until the disc is removed or the power is switched off.
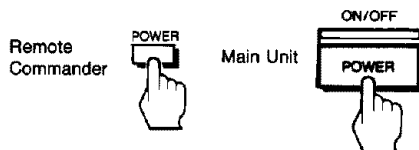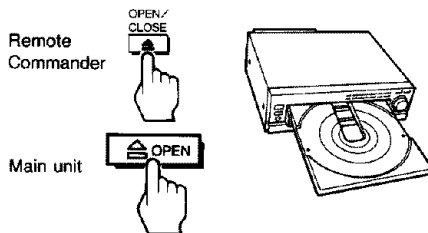
---

4 Press the DISC SIDE A, then input 7 to press the Number button.

DISC SIDE

PROGRAM SIDE A
TOTAL TIME ------

If you make a mistake

To start over	To change a number
Press the CLEAR and PGM button and enter the correct number.	Press the SEARCH/NEXT (to advance) or BACK (to back up) button until the incorrect number on the screen flashes.
	Then enter a new number.

---

5 To play an LD

PLAY

CHAPTER 1
PROGRAM   SEARCH

C-5   26179 PLAY
PROGRAM

Searching for the first programmed chapter

Playback starts from the beginning of chapter 5.

After playing all programmed chapters side A1,2,3, side B12,14, side A7 in order, playback stops.

2   4,5   3

5

3   DISPLAY

SONY

CD CDV LD PLAYER/TV
RMT-S605A

2

5

Notes on disc tray
Do not insert a hand or finger in the player while it is
operating. The player will stop automatically. If an object is
inserted while in play, serious injury may result. Be sure to
place the unit out of the reach of especially babies.
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 stereo system.

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

2 Turn on the player.

ON/OFF

Remote   POWER
Commander   Main Unit   POWER

3 Open the disc tray.

OPEN/
CLOSE
Remote
Commander

Main unit   OPEN

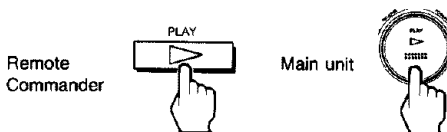## 4 Place the disc on the tray.

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

Desired side face up

5 Start playback.
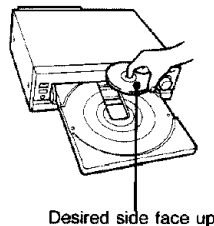
PLAY
Remote   Main unit
Commander

Or push the disc tray compartment, then playback will
also begin.
Playback does not start with ▲ OPEN/CLOSE button.

To pause at the beginning of a disc

Press the **❙❙** button on the player or the Remote Commander. The tray closes, and the player pauses at the beginning of the disc.
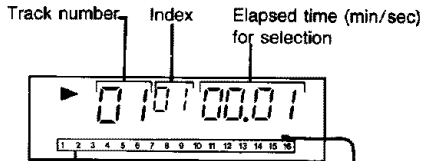
AV calendar

When playing a CD, the AV calendar shows information on the total number of selections. As selections are played, the corresponding numbers on the display disappear.

Using an optional timer

Set the timer after the STOP indication has changed from blinking to lighting in 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.
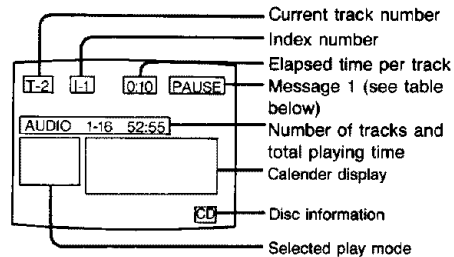
Screen Messages

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 CD is shown on a green background.

To call up the on-screen display

DISPLAY

Remote Commander

Press the button again to turn the display off.

Current track number
Index number
Elapsed time per track
Message 1 (see table below)
Number of tracks and total playing time
Calender display

T-2   I-1   0:10   PAUSE

AUDIO 1-16 52:55

CD — Disc information
Selected play mode

Playback display

Track number   Index   Elapsed time (min/sec) for selection

▶ 01 01 00.01

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

AV calendar   This mark lights up when a disc with more over 16 track is set.

Message   (Examples)

Display	Explanation
OPEN	Disc tray open
CLOSE	Disc tray closed
PLAY	Playback
STOP	Stop
PAUSE	Pause
⊕ / ⊖	Manual search (Forward/reverse speed scan)
SEARCH	Search

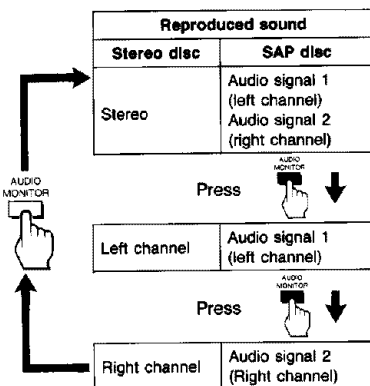## To stop playback and remove disc

OPEN/
CLOSE
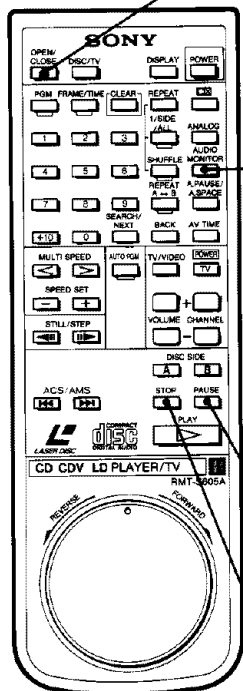
Remove the disc and press the ▲ OPEN/CLOSE button again to close the tray.

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

After playback has started

Each time the AUDIO MONITOR button is pressed, the mode changes to give you the following order.

Reproduced sound	
Stereo disc	SAP disc
Stereo	Audio signal 1 (left channel) Audio signal 2 (right channel)

AUDIO MONITOR

Press

Left channel	Audio signal 1 (left channel)

Press

Right channel	Audio signal 2 (Right channel)

To temporarily interrupt playback

PAUSE

To resume play from the same point, press the ❚❚ or ▷ button.
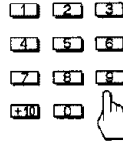
To stop playback

STOP

To restart playback from the beginning of the disc, press the ▷ button.

Identical buttons on the main unit can also be used.

To Search for a Particular Selection – Search
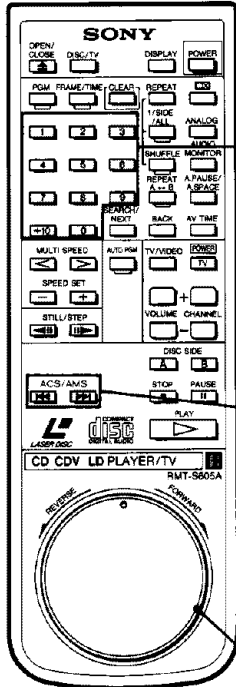
To search by track number

Enter the track number.

**To play a single track once**
1. Press the 1/SIDE/ALL button on the remote commander to display the 1 display.
2. Then select the track with the number buttons. When the track has been played, the unit enters the stop mode. To release the setting, press the 1/SIDE/ALL button again.

If you press the wrong numbers, simply press the correct ones.

To skip selections

Press once to return to the beginning of the current selection. Press again to return to the previous selection.

Press to advance to the next selection.

ACS/AMS
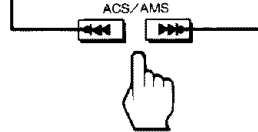
To search for a particular point – Dual Speed Scan

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

Fast speed

Higher speed

Identical speeds are available for reverse speed scan.
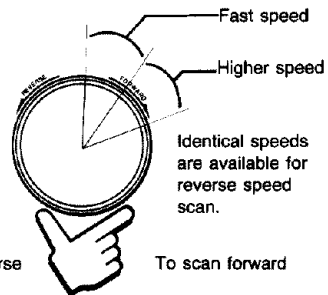
To scan in reverse

To scan forward

Scanning continues until the shuttle ring is released.

To enter track numbers over 10
Use the +10 and 0 buttons.
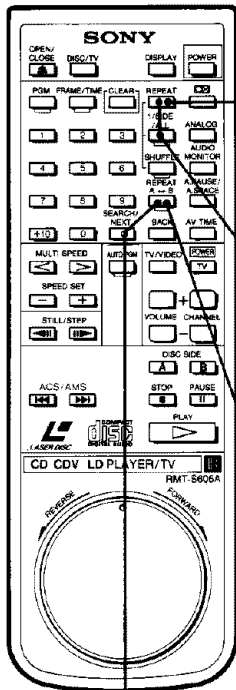Examples: To enter 10: +10 → 0
To enter 14: +10 → 4
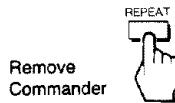To enter 20: +10 → +10 → 0

If the +10 button is pressed by mistake
Press the +10 button repeatedly until – – or 1 – is displayed.

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To Play Repeatedly – Repeat Playback

To repeat all selections – All Repeat
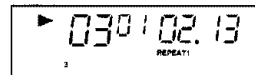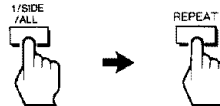
REPEAT

Remove
Commander

The entire disc is continuously repeated.
To cancel All Repeat
Press the REPEAT button that was used to activate repeat either
from the remote commander – again.

To repeat the current selection – 1 (Single) Repeat
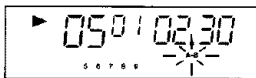
1/SIDE /ALL → REPEAT

Current selection (track) is continuously repeated.
Deactivate REPEAT display to playback a selection only
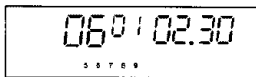once.
To cancel 1 (single) Repeat
Press the REPEAT button, then press the CLEAR button.

To return to the desired section – Memory search
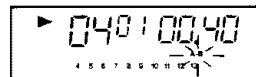
1 At the beginning of desired point

REPEAT A ↔ B

2 To return to the desired point

SEARCH /NEXT
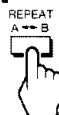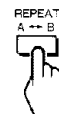

To cancel Memory search, press the CLEAR
button.

To repeat a specific section of a disc – A ↔ B Repeat

1 At the beginning of desired section

REPEAT A ↔ B

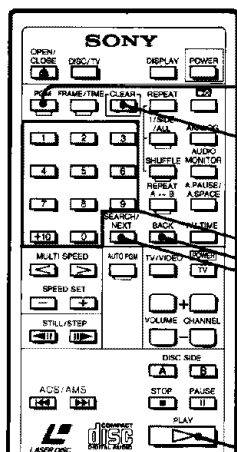**2 At the end of desired section**

Flashing of A ↔ B indicator stops
and the specified section is
continuously repeated.

REPEAT A ↔ B

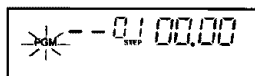**To cancel A ↔ B Repeat**, press the CLEAR
button.

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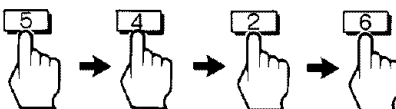You can program up to 20 tracks playback in a specified order.

Example Play CD chapters 5, 4, 2, 6 – in that order.

1 Press the PGM button.

PGM indication lights in the player's display window.

2 Press the Number buttons 5 4 2 6.

If you make a mistake

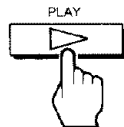| To start over	To change a number
CLEAR → PGM	SEARCH/NEXT or BACK
Press the CLEAR and PGM button and enter the correct number.	Press the SEARCH/NEXT (to advance) or BACK (to back up) buttons until the incorrect number on the screen flashes. Enter a new number.

To enter track numbers over 10
Use the +10 and 0 buttons.
Examples: To enter 10: +10 → 0
To enter 14: +10 → 4
To enter 20: +10 → +10 → 0
If the +10 button is pressed by mistake
Press +10 button repeatedly until – – or 1 – is displayed.

3 Press the ▷ button.

After searching and playing all programmed selections 5, 4, 2, 6, in order, playback stops.

Program playing time
The total playing time of the program is displayed only when tracks with numbers less than 20 are programmed.

Notes
• You can program playback up to 29 tracks even when the disc tray is open. For a disc with 30 tracks or more, program after closing the disc tray.
• When the shuttle ring is kept turned to the forward direction during program playback and the playback comes to the end of the current selection, the next programmed track will be played back. When the shuttle ring is kept turned to the reverse direction, the unit will not go back to previous tracks.
• If not existing track numbers on a disc are entered, the program may not be conducted.

To set a pause between programs
Press ❚❚ button at the desired point between programs in step 2. P appears in the screen.
The player goes into pause mode at the point after playing a program.
To start playing next program, press ▷ button.

To release or cancel program playback
Press the CLEAR button or the 1/SIDE/ALL button. The unit resumes normal playback.

To check track and time information on the screen
Turn on the power of the TV or monitor. Time and track for the CD/CDV will be turned on the screen.

To repeat program playback
Use the REPEAT button to turn the REPEAT display on.

When the total playback time exceeded 99 minutes,
– –. – – is displayed.

During program playback
The numbers on the AV calendar display disappear as selections are played. The contents of a program are stored until the disc is removed or the player is turned off.

To move to a preceding programmed track
Press the I◄◄ button.

To move to a following programmed track
Press ►►I button.

㉙

To Play Only Certain Selections Within a Designated Time
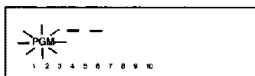### – Auto Program Playback

You can designate a length of time and make 2 different programs of your selections fitting within that period.
Selections can be entered in the desired order. When there is only minimal time left within the designated length of time a selection with the closest playing time will be entered.
This section explains how to conduct Auto Program Playback on a CD, but the function can also be used for LDs with TOC, and CDVs.
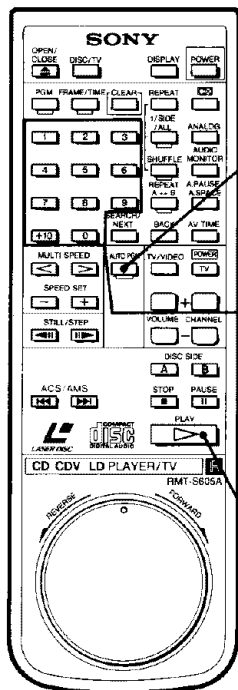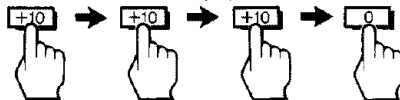
1 Press the AUTO PGM button.

AUTO PGM

PGM blinks in the player display window.

2 Designate the time length for a single side or double sides (LD only) of your tape.

Example: For 30 minutes of playback

+10 ➔ +10 ➔ +10 ➔ 0

Program A

PGM 30A- 26.13

Program B

30b- 17.53
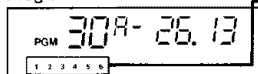
Program A
(corresponding to Side A of tape)

Program A and B appears alternately.
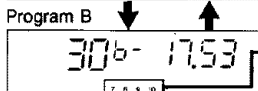
Program B
(corresponding to Side B of tape)

If you press the wrong number,
simply press the correct one.

To change the programed chapter (track).
Press PGM button after step2, then press the desired chapter (track) number.

AV calendar on the screen
The AV calendar shows information on the contents of two different programs: program A and program B, separated with a pause.

Auto Program contents
Program contents are stored until the disc is removed or the power is turned off.

If your disc contains tracks or chapters with numbered beyond 20.
Selection with numbers over 20 may not be programmed with the Auto Program function.

Notes
• Auto Program will not be run if your selection is larger than the designated playing time.
• Auto Program cannot be set on side B of LD.

3 Press the ▷ button.
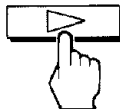
PLAY

The selections for Program A will be played and then the unit will pause.
The number of the selection that finishes its play disappears from the AV calendar display.

4 Press the ▷ button to play back Program B.

PLAY
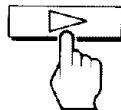
To resume normal playback
Press the CLEAR button or the 1/SIDE/ALL button.

To Change Time Display - Time Counter


```
▶  3 ' 0.31
   3 4 5 6 7 8 9 10 11 12 13
```

Elapsed time for selection

Press

```
▶  3 -02.45
   3 4 5 6 7 8 9 10 11 12 13
```

Remaining time for selection*

Press

```
▶  10 -62.34
   3 4 5 6 7 8 9 10 11 12 13
```

Remaining   Total remaining
selections   playback time**
on the disc

Press

* Do not display for track numbers above 21.
** For CDV discs, these figures refer only to the current portion (audio/video) are displayed.
When playing the LD side B, remaining time of a current chapter will appear with "— — . — —" display.

Display on TV screen
If the TV set or monitor connected to the player is on and the DISPLAY button is pressed, the track number, time, and other information recorded on the CD/CDV will appear on a green/blue background on the monitor.

Note on LD discs
The time display function is available only with LDs containing TOC data.
First, the elapsed time or the number of frames is displayed. Pressing the AV TIME button then changes the time display as shown above.

Playing in a Random Order – Shuffle Playback/Delete Shuffle Playback

SONY

OPEN/
CLOSE   DISC/TV   DISPLAY   POWER

PGM FRAME/TIME CLEAR   REPEAT

1/SIDE
/ALL   ANALOG

1   2   3   AUDIO
                          MONITOR

4   5   6   SHUFFLE

REPEAT A PAUSE/
7   8   9 A → B SPACE

SEARCH/
+10   0   NEXT   BACK   AV TIME

MULTI SPEED   AUTO PGM   TV/VIDEO POWER

SPEED SET   TV

STILL/STEP   VOLUME CHANNEL

DISC SIDE
A   B

ACS/AMS   STOP   PAUSE

PLAY

CD CDV LD PLAYER/TV
RMT-S605A

REVERSE   FORWARD
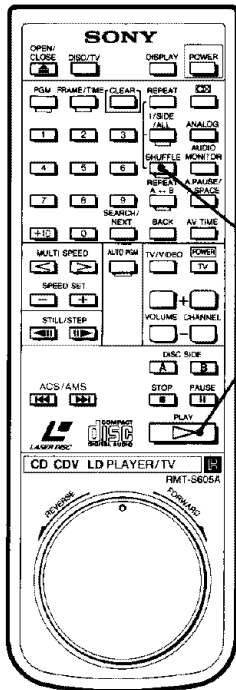
To play all tracks or chapters on a disc

1 Press the SHUFFLE button.

SHUFFLE

▶ - -

SHUFFLE
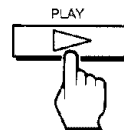1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 ▶

2 Press the ▷ button.

PLAY

All selections on the disc are played once in a random order. After all selections have been played, the unit enters the stop mode.

To cancel shuffle playback
Press the CLEAR button or the 1/SIDE/ALL button. Normal playback resumes from the next selection.

When a LD without TOC data, the indication "NO TOC" appears on the TV screen, and shuffle playback cannot be conducted.

Note
Shuffle playback cannot be performed on side B.

To skip to the next selection during shuffle playback
Press the ▶▶I button. Returning to a previous selection with the I◀◀ button is not possible.

Shuffle playback with CDV discs
Selections from the audio portion and video portion are played in random order.

SHUFFLE button timing
To ensure correct operation, do not press the SHUFFLE button immediately after the disc tray has closed. Instead, press the SHUFFLE button only after the ▷ (play) indication in the display has stopped flashing.
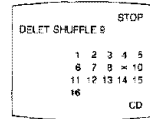The selections on the disc can be played back in a random order.
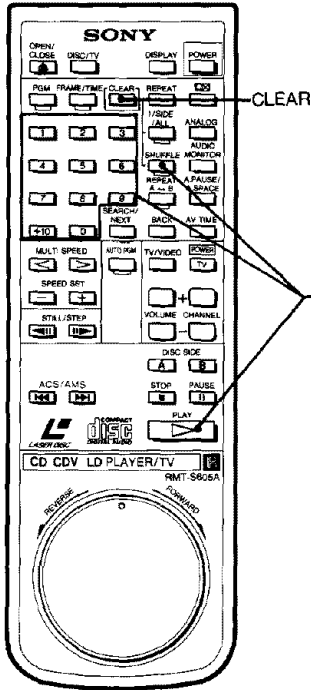
—CLEAR

To play only certain selections – Delete Shuffle

1 Press the SHUFFLE button.

SHUFFLE

2 Enter the chapter number or track number of the selection you do not wish to play.

STOP
DELET SHUFFLE 9

```
 1  2  3  4  5
 6  7  8  ×10
11 12 13 14 15
16
            CD
```

If you make a mistake

To start over	To change a number
Press the CLEAR button and then press the SHUFFLE button again and enter the correct number.	Press the incorrect number again, resume the delete chapter (track) number.
CLEAR → SHUFFLE	

3 Press the ▷ button.
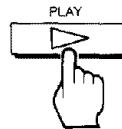
PLAY

The player automatically selects a random program without the deleted selections.

To resume normal playback
Press the CLEAR button or the 1/SIDE/ALL button.

Delete shuffle
This function lets you exclude specific chapters or tracks from shuffle playback. When the function is used, DELETE SHUFFLE appears on the screen.

To repeat shuffle or delete shuffle playback
Press the REPEAT button on the Remote Commander to activate the REPEAT indication on the display window. When the unit is turned off or the disc is removed, shuffle functions are cancelled.

Note
A chapter (track) with the number over 20 cannot be deleted.

To Pause After a Each Selection – Auto Pause
To Insert a Blank Space Between Selections – Auto Space

Auto Pause – After a selection is played, the player enters the pause mode.
Auto Space – A blank interval of 3 seconds is inserted between the playback of each selection.

Auto Pause and Auto Space function use the same button.

If you playback in auto program, program, shuffle or delete shuffle mode, auto space may insert a space more than 3 seconds.

Auto Pause

Press the A.PAUSE/A.SPACE button once.

A.PAUSE/
A.SPACE

To start playback of the next selection
Press the ▷ button.

Auto Space

Press the A.PAUSE/A.SPACE button twice.

A.PAUSE/
A.SPACE

To resume normal playback

Each time the A.PAUSE/A.SPACE button is pressed, the mode changes to give you in the following order.

Auto Pause
↓
Auto Space
↓
Normal playback

Video portion
Audio portion

The Compact Disc Video (CDV) format divides a CD into two sections. One section consists of 20 minutes of digital audio playable on any CD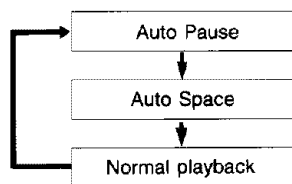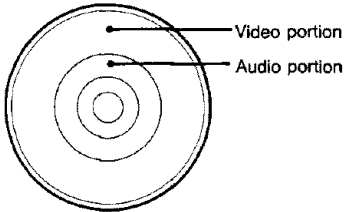 player. The other section which consists of 5 minutes of video and digital audio, requires a CDV player. Please note the following when playing a CDV.

• To display the remaining time, simply press the AV TIME button.
• CDVs are divided into track numbers which are assigned to each selection for the audio and video portion. The track of the video portion corresponds to the chapter of the LD.

To play

Press the PLAY button. Playback will begin from the video portion. After the completion of the video portion, the audio portion will be played back.

To play back from the audio portion, search by entering the desired track number (see p.).

Screen Messages

Information on the operating condition of the unit and chapter or track numbers can be superimposed on the screen. During audio portion playback, information for CDV is shown on a blue background.

To call up the on-screen display
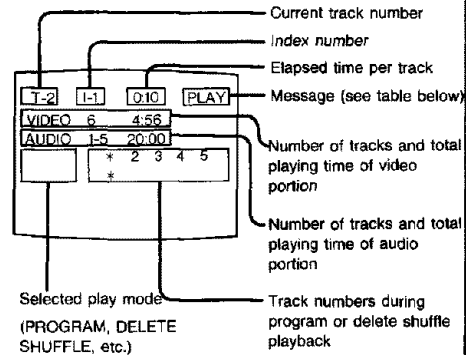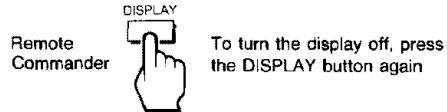
DISPLAY

Remote Commander
To turn the display off, press the DISPLAY button again

Current track number
Index number
Elapsed time per track
Message (see table below)

T-2	I-1	0:10	PLAY
VIDEO	6	4:56
AUDIO	1-5	20:00
*	2	3	4	5
*

Number of tracks and total playing time of video portion

Number of tracks and total playing time of audio portion

Selected play mode
(PROGRAM, DELETE SHUFFLE, etc.)

Track numbers during program or delete shuffle playback

Message (Examples)

Display	Explanation
OPEN	Disc table open
CLOSE	Disc table closed
PLAY	Playback
STOP	Stop
PAUSE	Pause
➡ / ⬅	Manual search (Forward/reverse speed scan)
SEARCH	Search

Specifications

Type	CD/CDV/LD Player
Signal readout	Optical (Laser beam reflection)
Signal format	EIA standard, NTSC color system

Playing time (minutes)

LD	CAV	30 cm (12 in) double-sided	60
		20 cm (8 in) double-sided	28
		20 cm (8 in) single-sided	14
	CLV	30 cm (12 in) double-sided	120
		20 cm (8 in) double-sided	40
		20 cm (8 in) single-sided	20
CD		12 cm (5 in) single-sided	74
		8 cm (3 in) single-sided	20
CDV		Audio portion	20
		Video portion	5

Digital audio specifications

Frequency response	4 Hz to 20kHz ($\pm$0.2 dB)
Signal-to-noise ratio	More than 112 dB (EIAJ)*
Dynamic range	More than 100 dB (EIAJ)
Total harmonic distortion	0.002% or less (at 1kHz, EIAJ)
Channel separation	More than 100 dB (EIAJ)
Wow and flutter	Below measurement limit ($\pm$0.001% W.PEAK) (EIAJ)

Video specifications

| Horizontal video resolution | 425 lines |
| Signal-to-noise ratio | More than 51 dB |

Input/output specifications

Video output 1, 2	1.0 Vp-p, 75 ohms, unbalanced
Video output	1.0 Vp-p, 75 ohms.
S video output 1, 2	Luminance: 1 Vp-p, 75 ohms, unbalanced, sync negative Chrominance: 0.286 Vp-p, 75 ohms, unbalanced
Audio output 1, 2	Stereo L, R Analog: 200 mVrms (1 kHz, 40% modulation) Digital: 200 mVrms (1 kHz, $-$20 dB)

Audio output	Monaural (only for RFU adaptor) MIX output: 77.5 mVrms (1 kHz, $-$20 dB)
Audio digital output (optical)	$-$18 dBm, wavelength 660 nm
RFU DC output	Mini mini jack DC 5 V
CONTROL S IN	Mini jack (1)

Power requirements

Power requirements	120 V AC, 60 Hz
Power consumption	52 W
Weight	13.1 kg
Dimensions	Approx. 430 $\times$ 141 $\times$ 446 mm (w/h/d) (17 $\times$ 4$^1/_2$ $\times$ 17$^9/_{16}$ inches)
Operating temperature	+5°C to +35°C
Ambient humidity	5 to 90%

* Measured according to EIAJ (Electronic Industries Association of Japan) standards.

Remote Commander

Principle of operation	Infrared pulse
Power requirements	3 V DC (2 size AA batteries)
Dimensions	Approx. 62 $\times$ 44.5 $\times$ 185 mm (w/h/d) (2$^7/_{16}$ $\times$ 1$^{13}/_{16}$ $\times$ 7$^3/_8$ inches)
Weight	Approx. 170 g (including batteries)

Supplied accessories

Remote Commander RMT-S605A (1)
Size AA (R6) batteries (2)
RFU adaptor RFU-90 UC (1)
Video connecting cord (phono plug 1 ↔ phono plug 1) (1)
Audio connecting cord (phono plug 2 ↔ phono plug 2) (1)
Operating Instructions

Design and specifications are subject to change without notice.

Notes on Handling Discs

Handle the disc by its edge, and to keep the disc clean, do not touch the rainbow colored surface.

CD

CDV

Correct

LD

Correct

Do not stick paper or tape on the labeled surface.

Wrong

Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight where there can be a considerable rise in the temperature.

Before playing, clean the disc with the cleaning cloth. Wipe the disc from the center out.

Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for analog record discs.

After playing, remove the disc and store it in its case.

Do not use the discs with being cracked, severe damaged on the disc repaired with adhesives.

The Constant Angular Velocity (CAV) or standard-play disc rotates at a constant 1800 rpm. Each track, or the path traced by the laser for a single rotation of the disc, produces a single frame. Each side of the disc holds up to 54,000 frames, the equivalent of 30 minutes of playback. Each frame has a number that is stored with the data on the disc.

The Constant Linear Velocity (CLV) or extended-play disc doubles the maximum playing time to 60 minutes by varying the rotational speed from a maximum of 1800 rpm to a minimum of 600 rpm as the laser beam moves away from the center of the disc. The disc surface therefore moves past the laser head at a constant rate, and each track is longer than its predecessor.

Some LDs include a high-quality digital audio signal as well as a more conventional analog signal. This unit reproduces both signals with priority placed on the digital audio signal.

Some discs are divided into sections, called chapters. Such discs usually have a list of chapters on the jacket or label. Each chapter is numbered for easy location with the chapter search function, or for use with the repeat and program functions.

The frames on standard-play (CAV) discs are sequentially numbered for rapid access with the frame search function.

Extended-play (CLV) discs calculate position in terms of playing time from the start of the disc. The time search function provides rapid access to desired scenes.

CD and CDV discs assign track numbers to each selection. Rapid access to desired tracks is possible with the track search function. Track numbers are also used with repeat and program functions.

Among various LD·software, there are discs with TOC (Table of Contents) signals recorded. when playing back LDs with TOC signals, the additional features given below can be enjoyed.
• Playback time display for one chapter (CAV, CLV)
• Remaining playback time (CAV, CLV)
• Time display for CAV disc
• AV calendar display
• Shuffle, delete shuffle

Symptom	Point to check
No power	• Power cord properly plugged into AC outlet?
Playback ▷ button does not produce playback.	• Unit correctly plugged in? • Disc inserted? • Disc properly seated? • Recorded side facing upward?
▷ indicator lights, but there is no picture or sound.	• TV or monitor switched out? • TV properly connected to player? • Input selector of TV, TV tuner, or monitor set to required position? **TV without audio/video inputs** • Channel selectors on RFU adaptor and TV set to the same number? • TV channel properly adjusted? • TV/DISC selector on the remote commander set to DISC? (Is the DISC indicator lit?)
Poor picture or sound quality	• TV properly connected? • Any source of noise nearby? • Disc dirty or scratched? • Any condensation on player objective lens? **TV without audio/video inputs** • Channel selectors on RFU adaptor and TV set to the same number?
No sound	• TV properly connected to player? • Volume control on TV, monitor, TV tuner or amplifier high enough? • Playback at normal speed? (The videodisc player produces sound only during normal playback and speed play at normal speed in the forward direction.)
No TV programs	• TV properly connected RFU adaptor? • TV/DISC selector on the remote commander set to TV? (Is the DISC indication out?)
Remote Commander does not operate.	• Player switched on? • Batteries correctly inserted? • Batteries exhausted? • Any obstacles between the Remote Commander and the player sensor? • The remote commander is pointed at the player sensor?
Picture distorted during scan.	• Some distortion in the lower part of the picture is normal – even for CAV discs.
Unit does not operate and LD/CD indication in display window flashes.	• Turn power off and then on again.
Still of multi speed play cannot be performed.	• CLV (extended play) disc is used?