

Technics

Compact Disc Player

SL-PG340

Operating Instructions



COMPACT
disc
DIGITAL AUDIO

Before connecting, operating or adjusting this product,
please read these instructions completely.



P | PC

RQT1708-1P
F1292L1122

Thank you for purchasing this product.
For optimum performance and safety, please read these instructions carefully.

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The model number and serial number of this product can be found on either the back or the bottom of the unit. Please note them in the space provided below and retain them for future reference.

MODEL NUMBER _____
SERIAL NUMBER _____

WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION:
TO PREVENT ELECTRIC SHOCK MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

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CAUTION

RISK OF ELECTRIC SHOCK


DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE SCREWS. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



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



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

Precautions

Before using this unit please read these operating instructions carefully. Take special care to follow the warnings indicated on the unit itself as well as the safety suggestions listed below. Afterwards keep them handy for future reference.

Safety

1. **Power Source** -- The unit should be connected to power supply only of the type described in the operating instructions or as marked on the unit.
2. **Polarization** -- If the unit is equipped with a polarized AC power plug (a plug having one blade wider than the other), that plug will fit into the AC outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
3. **Power Cord Protection** -- AC power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Never take hold of the plug or cord if your hand is wet, and always grasp the plug body when connecting or disconnecting it.
4. **Nonuse Periods** -- When the unit is not used, turn the power off. When left unused for a long period of time, the unit should be unplugged from the household AC outlet.

Installation

Environment

1. **Water and Moisture** -- Do not use this unit near water—for example, near a bathtub, washbowl, swimming pool, or the like. Damp basements should also be avoided.
2. **Condensation** -- Moisture may form on the lens in the following cases...
 - immediately after a heater has been turned on.
 - in a steamy or very humid room.
 - when the unit is suddenly moved from a cold environment to a warm one.
3. **Heat** -- The unit should be situated away from heat sources such as radiators and the like. It also should not be placed in temperatures less than 5°C (41°F) or greater than 35°C (95°F).

If moisture forms inside this unit, it may not operate properly. To correct this problem, turn on the power and wait about one hour for the moisture to evaporate.

Placement

1. **Ventilation** -- The unit should be situated so that its location or position does not interfere with its proper ventilation. Allow 10 cm (4") clearance from the rear of the unit.
2. **Foreign Material** -- Care should be taken so that objects do not fall into and liquids are not spilled into the unit. Do not subject this unit to excessive smoke, dust, mechanical vibration, or shock.
3. **Magnetism** -- The unit should be situated away from equipment or devices that generate strong magnetism.
4. **Stacking** -- Do not place heavy objects, other than system components, on top of the unit.
5. **Surface** -- Place the unit on a flat, level surface.
6. **Carts and Stands** -- The unit should be used only with a cart or stand that is recommended by the manufacturer. The unit and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the unit and cart combination to overturn.
7. **Wall or Ceiling Mounting** -- The unit should not be mounted to a wall or ceiling, unless specified in this operating instructions.



Maintenance

Clean the cabinet, panel and controls with a soft cloth lightly moistened with mild detergent solution.

Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzene.

Service

1. **Damage Requiring Service** -- The unit should be serviced by qualified service personnel when:
 - (a) The AC power supply cord or the plug has been damaged; or
 - (b) Objects have fallen or liquid has been spilled into the unit; or
 - (c) The unit has been exposed to rain; or
 - (d) The unit does not appear to operate normally or exhibits a marked change in performance; or
 - (e) The unit has been dropped, or the enclosure damaged.
2. **Servicing** -- The user should not attempt to service the unit beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

CAUTION:

- This equipment has been tested and found to comply with the limits for a Class B computing device in accordance with the specifications set forth in Subpart J of Part 15 of the FCC Rules. If this equipment does cause interference to radio or television reception which can be determined by turning the equipment on and off, use the equipment in another location and/or utilize an electrical outlet different from that used by the receiver.
- This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the

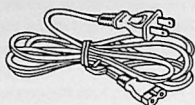
Radio Interference Regulations of the Canadian Department of Communications.

- THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

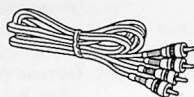
Preparations

Supplied accessories

Check the packing carton for these accessories.



AC power supply cord (polarized) 1 pc.
(For U.S.A.: SJA175-1)
(For Canada: SJA175)



Stereo connection cable (SJP2249-6) 1 pc.

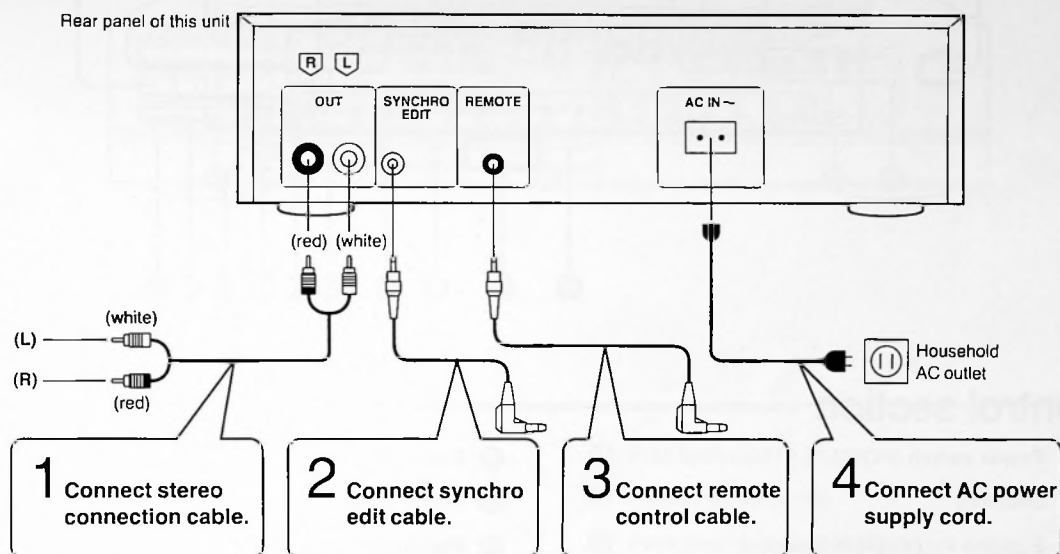


Remote control cable 1 pc.
(SJP2257T)

Connections

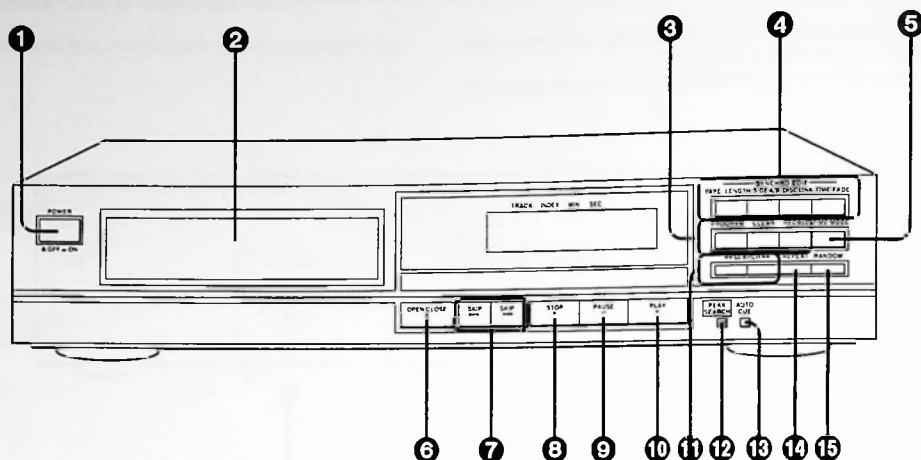
Before making connections, be sure that the power of this unit and all other system components is first turned off.

See the operating instructions of the amplifier or the cassette deck for details.



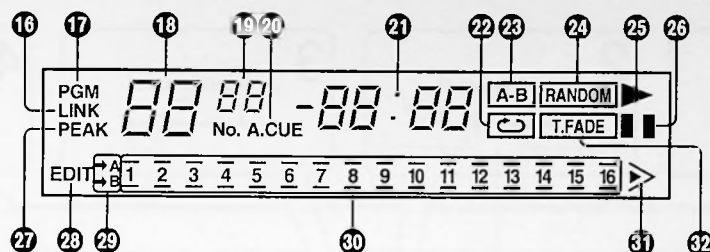
- 1 Connect the stereo connection cable (included) to the "CD" or "AUX" terminals of the amplifier.
- 2 Connect the synchro edit cable (SJP2257T, included with the cassette deck) to the "SYNCHRO EDIT" terminal of the Technics cassette deck.
- 3 Connect the remote control cable (SJP2257T, included) to the "REMOTE" terminal of the Technics receiver or cassette deck.
- 4 Connect the AC power supply cord (included) to the "AC OUTLET" of the amplifier or the household AC outlet (AC 120 V/60 Hz).

Front Panel Controls and Functions







Control section

- | | |
|---|--|
| <p>1 Power switch (POWER)</p> <p>2 Disc tray</p> <p>3 Buttons for program function</p> <ul style="list-style-type: none"> • Program button (PROGRAM) • Clear button (CLEAR) • Recall button (RECALL) <p>4 Buttons for CD-Edit function</p> <ul style="list-style-type: none"> • Tape length button (TAPE LENGTH) • Tape side select button (SIDE A/B) • Disc link button (DISC LINK) • Time fade button (TIME FADE) <p>5 Time mode select button (TIME MODE)</p> <p>6 Disc tray open/close button (▲ OPEN/CLOSE)</p> <p>7 Skip buttons (◀◀ SKIP, ▶▶ SKIP)</p> | <p>8 Stop button (■ STOP)</p> <p>9 Pause button (PAUSE)</p> <p>10 Play button (▶ PLAY)</p> <p>11 Search buttons (◀◀ SEARCH ▶▶)</p> <p>12 Peak search button (PEAK SEARCH)</p> <p>13 Auto cue button (AUTO CUE)</p> <p>14 Repeat button (REPEAT)</p> <p>15 Random play button (RANDOM)</p> |
|---|--|

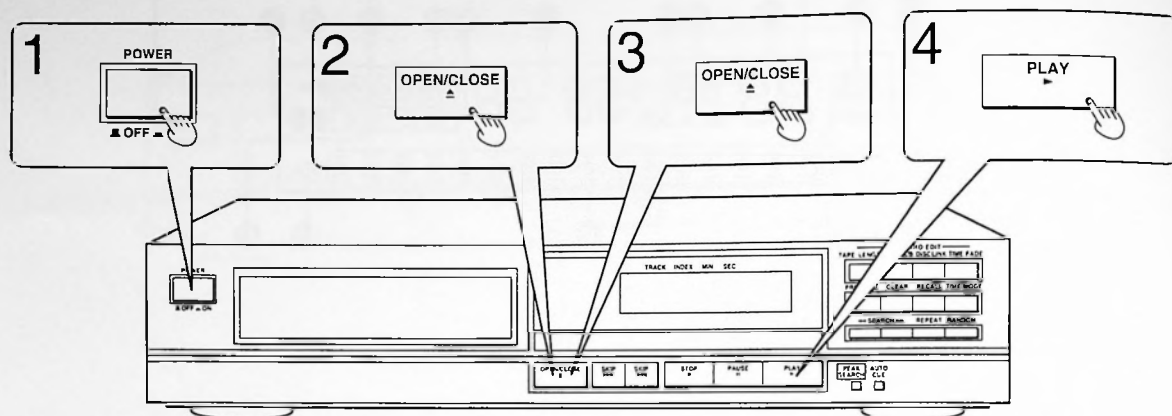


Display section

- | | |
|---|--|
| 16 Disc link indicator (LINK) | 25 Play indicator (▶) |
| 17 Program indicator (PGM) | 26 Pause indicator () |
| 18 Track number display | 27 Peak search indicator (PEAK) |
| 19 Index/program sequence display | 28 Compact disc edit indicator (EDIT) |
| 20 Auto cue indicator (A.CUE) | 29 Tape side indicator (→ A , → B) |
| 21 Time display | 30 Track number indicator (1-16) |
| 22 Repeat indicator () | 31 "Over" mark (▶) |
| 23 A-B repeat indicator () | 32 Time fade/fade out indicator () |
| 24 Random play indicator () | |

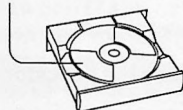
Basic Operating Procedure

(Sequential Play)



- 1 Press POWER to switch on the power.**
If there is a disc in the disc tray, play will start from the first track.
- 2 Press Δ OPEN/CLOSE to open the disc tray and insert a disc.**

Label must face upward.



- 3 Press Δ OPEN/CLOSE again to close the disc tray.**

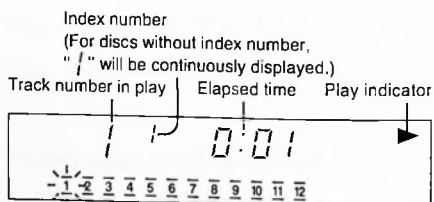


Lights when the total number of tracks exceeds 17

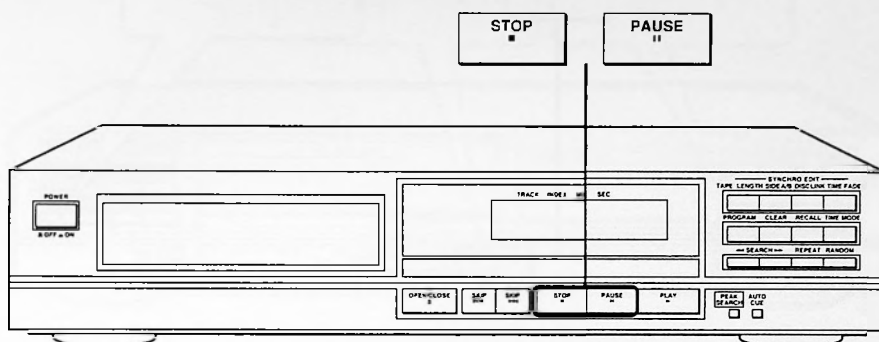
The total playing time displayed includes the silent sections between tracks. For this reason, it may be a few seconds longer than the playing time indicated on the disc.

You can skip this step and press **▶ PLAY**. The disc tray will be automatically closed and then play will start from the first track.

- 4 Press **▶ PLAY**.**

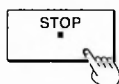


The unit stops automatically when the last track finishes playing.



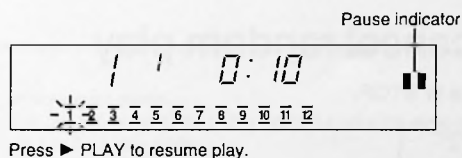
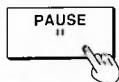
To stop disc play

Press ■ STOP.



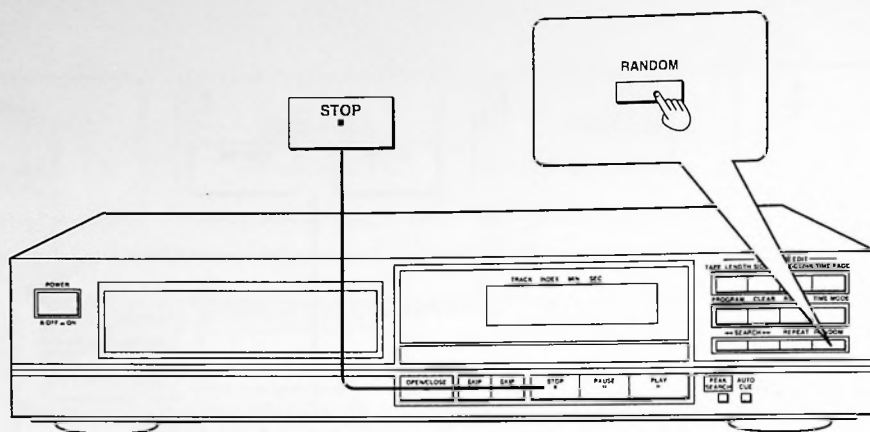
To temporarily stop disc play

Press ▢ PAUSE.



Press ► PLAY to resume play.

Random Play



The unit will automatically select the sequence of selections to be played from the disc in a random manner.

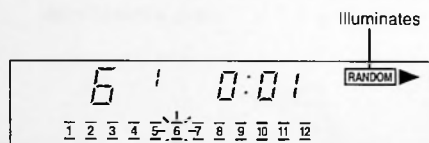
Before beginning, follow steps 1–3 of “Basic Operating Procedure” on page 8.

Press RANDOM in play or stop mode.

The unit stops automatically when all tracks have played once. (Random play mode will be cancelled.)

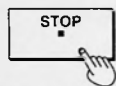
In the program play mode (See page 12.):

The unit plays only the programmed tracks in random manner.



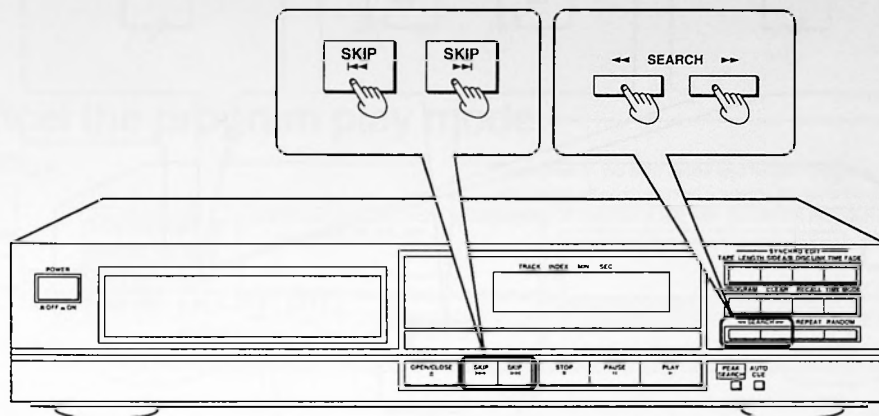
To cancel random play

Press ■ STOP.



When you press RANDOM in the play mode, play continues from subsequent tracks in the normal order to the end of the disc.

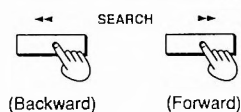
Search/Skip Function



Search function

In play or pause mode, you can search rapidly forward or backward on the disc for specific sections.

Press ◀◀ SEARCH ▶▶.



You can search slowly at first and then rapidly if the button is held down for more than about three seconds.

In the pause mode, no sound is heard. It remains at the point where you release the button.

In the random and program play mode:

You can search forward and backward within the track in play.

Skip function

To skip forward, press ▶▶ SKIP.



You can skip as many tracks as the number of times you press the button.

To skip backward, press ◀◀ SKIP.



You can skip to the beginning of the track being played. If you press this button again quickly, you can skip to the beginning of the previous track. Remember that in a backward skip, the track in play is included in the count.

In the pause mode:

The unit will move to the beginning of the selected track and switch back to the pause mode.

In the stop mode:

The unit displays only the selected track number. Press ▶ PLAY to start.

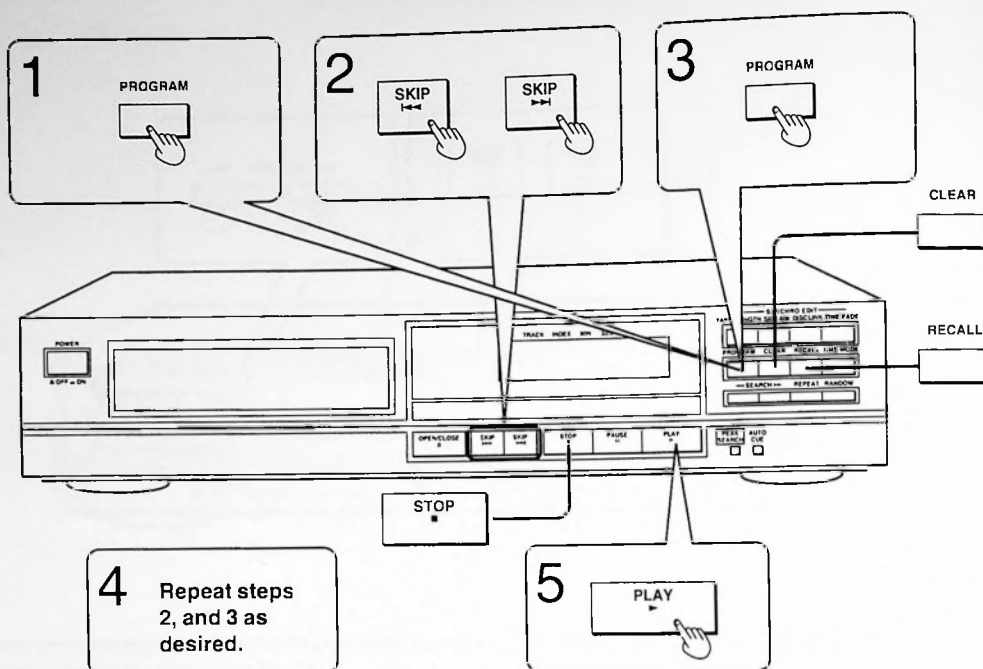
In the program play mode:

You can skip forward and backward in the programmed sequence.

In the random play mode:

- ▶▶ : You can skip to the beginning of a track in random manner.
- ◀◀ : You can skip to the beginning of the track in play.

Program Play



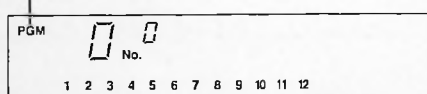
You can program up to 20 tracks in any order you desire.

Before beginning, follow steps 1–3 of “Basic Operating Procedure” on page 8.

1 In the stop mode, press PROGRAM.

If you press this button in the play mode, the track in play will be programmed.

Illuminates



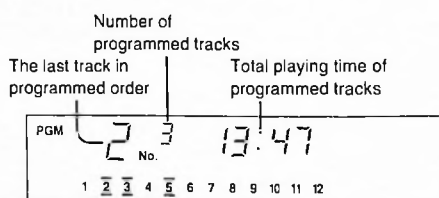
2 Press SKIP (◀◀, ▶▶) to select the track number.

For example: To select the 3rd track, press ▶▶ SKIP 3 times.

3 Press PROGRAM.

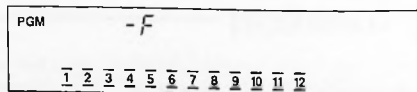
4 Repeat steps 2 and 3 until the desired program is completed.

For example, if you enter tracks 5, 3 and 2:

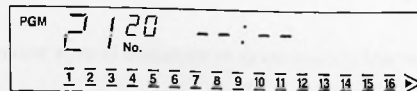


If you enter a wrong number by mistake, press CLEAR.

When the 21st program has been performed, the following display indicates that no more tracks can be added.



If the total playing time exceeds 99 minutes 59 seconds or if the track number 21 or higher has been specified, the display reads as follows:



5 Press ▶ PLAY to start.

The unit stops automatically when all the programmed tracks have finished playing.

Even after play is completed, the program sequence will remain in the unit's memory. You can play the sequence again by pressing ▶ PLAY.

To switch to sequential mode during play

Press **PROGRAM**.

This clears all programmed contents from memory.

PROGRAM



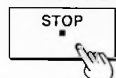
To cancel the program play mode

Press **■ STOP**.

Press once in the stop mode and twice during play.

This clears all programmed contents from memory.

Turning off the power will also cancel the program play mode.



To confirm the program

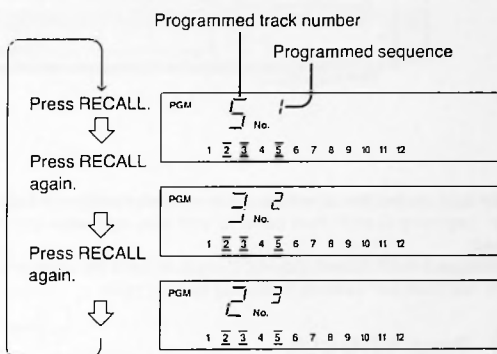
Press **RECALL**.

RECALL



Each time you press RECALL, the display shows programmed track number and its sequence, so that you can verify the entire program.

For example: The diagram shows a program consisting of tracks 5,3,2.



The normal display will resume in about 4 seconds.

To enter additional tracks

In the stop mode, press **SKIP (◀◀, ▶▶)** to specify the track number and then press **PROGRAM**.

(See page 12.)

To clear the entry

To clear the last track in the sequence, press **CLEAR** in the stop mode.

CLEAR



To cancel a track in the middle of the sequence, press **RECALL** repeatedly until the display shows the track number to be cancelled, then press **CLEAR**.

RECALL



CLEAR



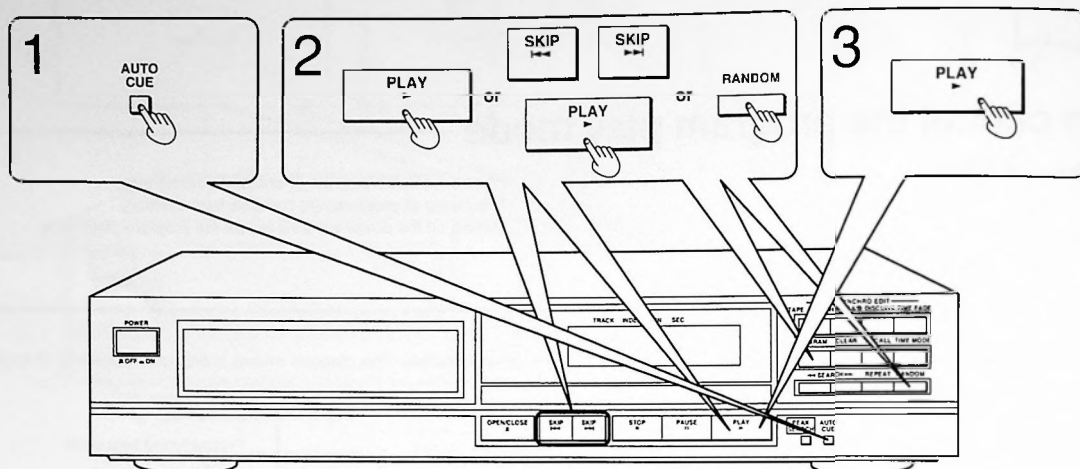
To cancel all the programmed tracks, press **PROGRAM** twice in the stop mode and return to step 2 on the previous page.

PROGRAM



Special Features

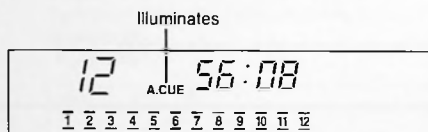
Auto cue



The auto cue function allows the unit to wait in a standby condition at the beginning of each track so as to start play right when you are ready.

When each track finishes playing, the unit skips to the beginning of the next track and switches to the play standby mode.

1 Press AUTO CUE.



2 Select the desired play mode.

To play track 1, press ► PLAY.

(Also available during program play. See page 12.)

To play desired track, press SKIP (◀◀, ▶▶) and ► PLAY.

To play the disc randomly, press RANDOM.

The unit switches to the play standby mode.

3 Press ► PLAY to start.

Press ► PLAY at the beginning of each track.

To cancel auto cue

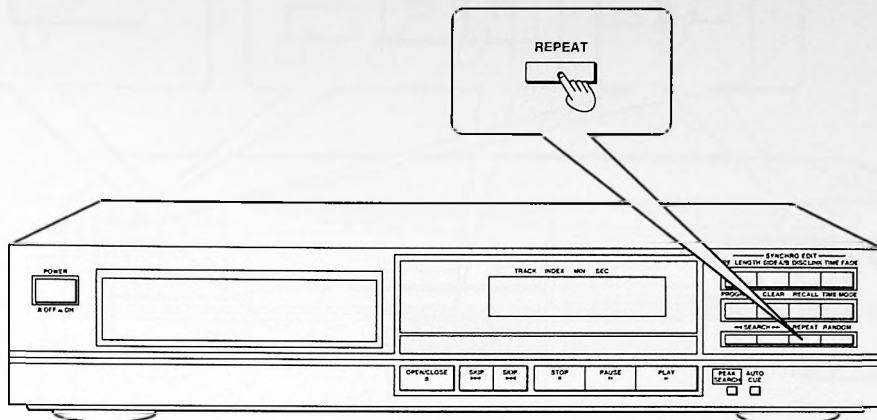
Press AUTO CUE again.



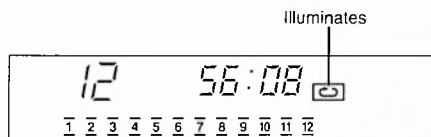
Note:

The auto cue may fail to function at the proper point if the selected track begins with a very soft passage or if there is a lot of background noise.

Repeat function



Press REPEAT.



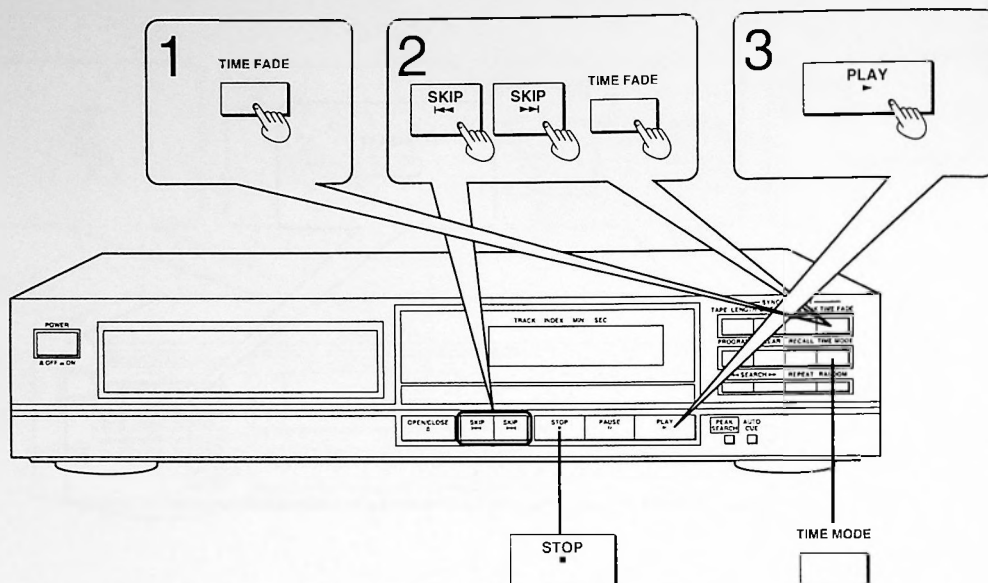
During program play, the unit plays only the programmed tracks repeatedly.

To cancel repeat function, press REPEAT again.



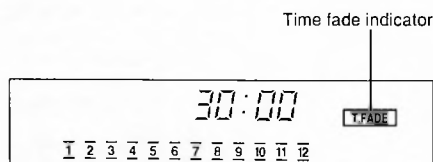
Special Features (continued)

Time fade function



The time fade function allows the unit to finish the play with fade-out. You can specify the time (from 5 sec. to 99 min. 59 sec.) when the fade-out of 5 seconds is finished.

- 1 Press TIME FADE in the pause or stop mode.**
The "----" indication will be shown on the display panel.
- 2 Press SKIP (◀◀, ▶▶) and TIME FADE to enter the desired time.**
For example: If you want the fade-out to be finished 30 minutes later, follow the procedure described as below.
 - 1) Keep pressing ▶▶ SKIP until the display shows "30". Pressing ◀◀ SKIP starts the countdown from 99.
 - 2) Press TIME FADE to enter "30".
 - 3) Press ▶▶ SKIP to specify "00". Pressing ◀◀ SKIP starts the countdown from 59.
 - 4) Press TIME FADE to enter "00".
The time fade indicator on the display panel illuminates.



If you want to change the time while entering, press CLEAR to cancel it.

- 3 Press ▶ PLAY.**
The fade-out begins 5 seconds before the specified time. The time fade indicator flashes on and off.

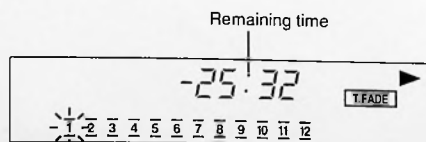
After the fade-out is finished, the unit goes into the pause mode. The time fade indicator goes out.

To see the remaining time

Press TIME MODE three times in the play mode.

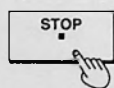
(See page 17.)

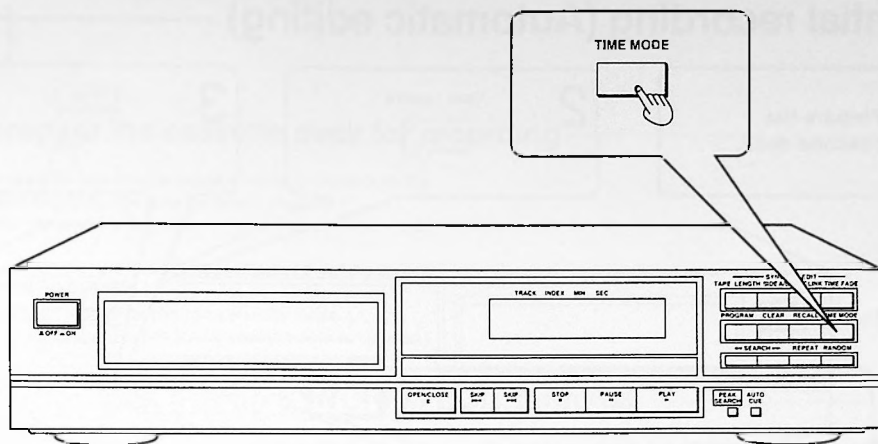
TIME MODE



To cancel the fade mode

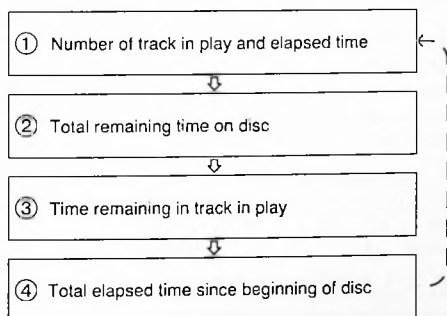
Press ■ STOP.





Time mode selection

Each time you press TIME MODE in the play or pause mode, the information will change as follows.



When the track in play is number 21 or higher:

The "----:--" indication will appear on display ③.

In the random play mode:

The "----:--" indication will appear on display ② and "--:--" on display ④.

In the fade out mode:

The remaining time till the fade-out will appear between the displays ③ and ④.

In the edit mode:

The remaining time of each side of the tape will appear on display ②.

In the program play mode:

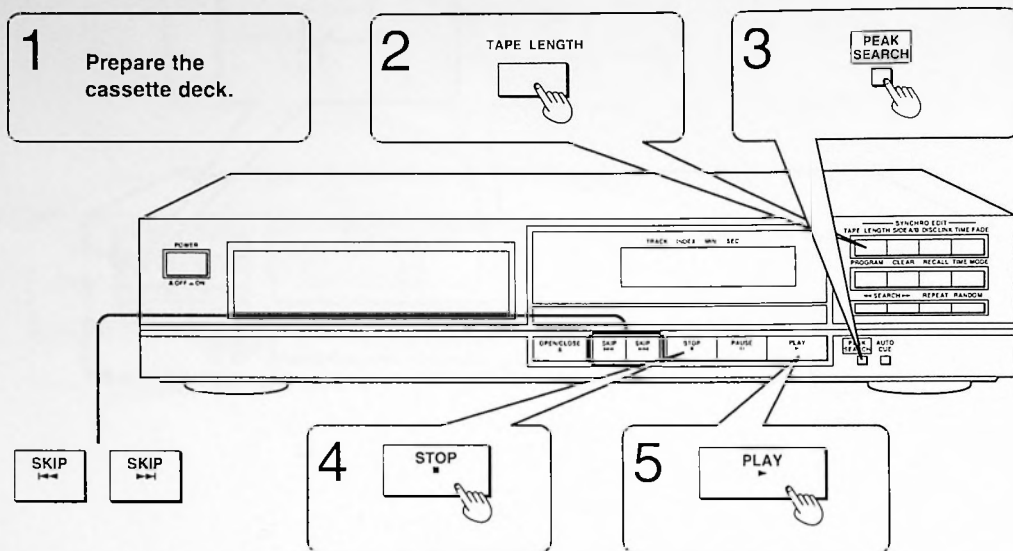
The information displayed on displays ② and ④ is only within the programmed tracks.

Recording from Compact Discs

The edit function of this unit is used when recording from compact discs to tape. Tracks can be recorded on both sides (sides A and B)

of the tape, considering the length of the tape used, so that there is no interruption of tracks at the end of one tape side.

Sequential recording (Automatic editing)



If you use this unit in combination with the Technics cassette deck which has the SYNCHRO EDIT terminal, recording on the cassette deck will start automatically at the same time you start CD play (synchro recording function).

Also, if you set the cassette deck to the auto-reverse mode, both sides of the tape will automatically be recorded.

The maximum numbers of tracks allowable for editing is 20 and the biggest track number allowable for editing is 20. The edit function does not work for more than 20 tracks nor the track number over 20.

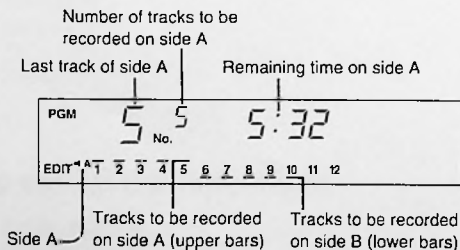
- 1 Prepare the cassette deck for recording.
(See next page.)

- 2 Press **TAPE LENGTH** to select the tape length.
Each time the button is pressed the tape length indicator changes as follows. Choose the length of the tape to be used.

→ C-46 → C-60 → C-90 → C---

To enter desired recording time, see next page.

The unit will calculate how many tracks can be entered onto tape side A and B, and then program them automatically.

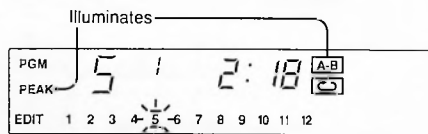


In the edit mode, silent gaps of approximately 3 seconds will be automatically inserted between tracks automatically (auto space function).

To enter additional tracks at the tape end of side B, see "To change the programmed contents" on page 21.

- 3 Press **PEAK SEARCH** to search for the peak point then adjust the recording level on the cassette deck.

It takes about 1.5 minutes to find the peak point for a 60-minute compact disc.



When the peak point is found, the unit repeatedly produces the sound for about 6 seconds around the peak point.

As there are many peak points on the disc, each time you make a new peak level search the unit might find a different point as the peak point.

(Refer to operating instructions for the cassette deck to find out how to adjust the recording level.)

- 4 Press **STOP**.
- 5 Press **PLAY** to start.

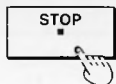
Recording on the cassette deck will start at the same time.

If the cassette deck is set to the auto-reverse mode, recording from tape side B will follow automatically.

When recording from tape side B is finished, the CD player will automatically stop and the cassette deck will switch to recording standby mode.

To cancel the edit mode

Press ■ STOP after recording has finished.



How to prepare the cassette deck for recording

1. Insert the cassette tape into the cassette holder of the deck for the synchro-edit-recording. (Be sure the tape is rewound.)
2. Select the noise-reduction system and the reverse mode (↔).
3. Check to be sure that the forward-side indicator (▶) of the deck to be used is illuminated.
4. Set the cassette deck to the recording standby mode.
(Refer to operating instructions for the cassette deck to be used.)

If the cassette deck has no SYNCHRO EDIT terminal

Press the play button of the cassette deck at the same time as pressing ▶ PLAY on the CD player to start recording.

When the deck has reverse mode, set to one-way (→).

When the recording for side A is finished, the CD player will go to the pause mode. The cassette deck will keep recording.

To record on side B, first press the stop button on the cassette deck, then start recording again on side B while at the same time pressing ▶ PLAY on the CD player.

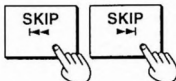
To enter desired recording time other than 46, 60 or 90 minutes

Press TAPE LENGTH to select "C----" then keep pressing SKIP (◀◀, ▶▶) to enter the tape's total playing time in minutes.

For example:

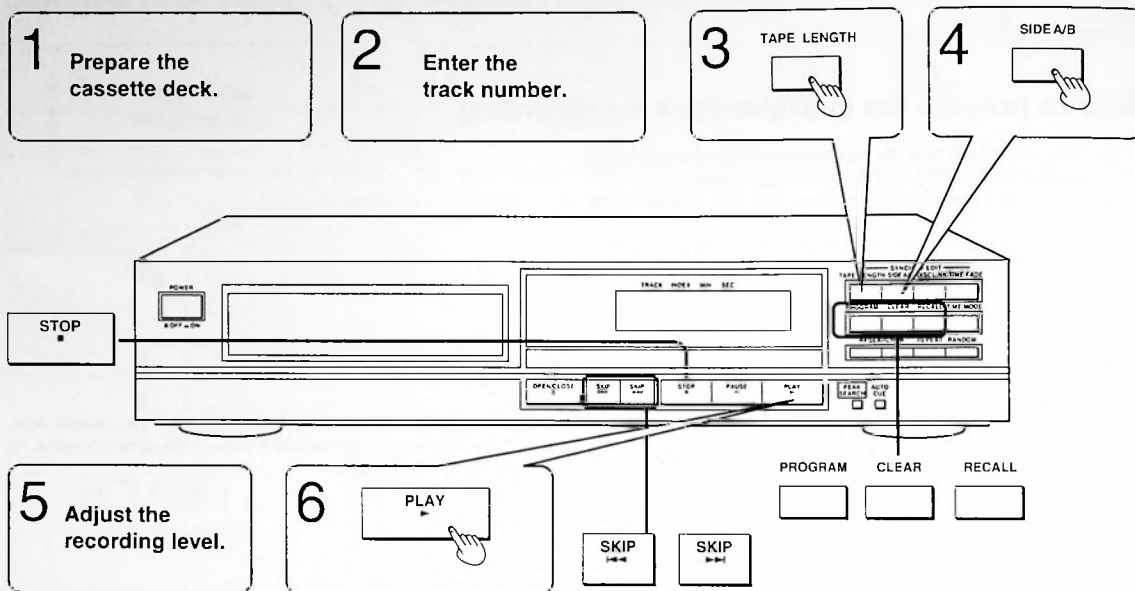
When the total recording time of the tape to be used is 52 minutes, keep pressing ▶▶ SKIP until the display shows "C- 52".

TAPE LENGTH



Recording from Compact Discs (continued)

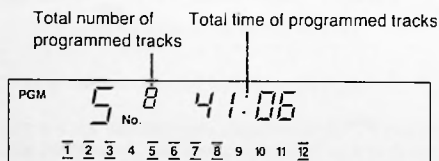
Program editing



You can make an original tape consisting of your favorite tracks, in any sequence desired. The maximum number of tracks allowable for editing is 20 and the biggest track number allowable for editing is 20. The edit function does not work for more than 20 tracks nor the track number over 20.

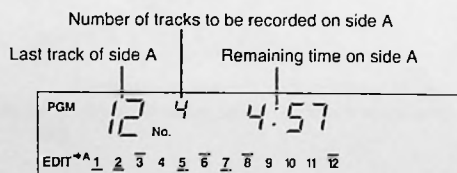
- 1 Prepare the cassette deck for recording.
(See page 19.)

- 2 Enter the desired track numbers and the desired sequence.
(See page 12.)



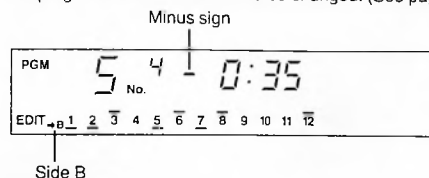
In the edit mode, silent gaps of approximately 3 seconds will be automatically inserted between tracks automatically (auto space function).

- 3 Press TAPE LENGTH to select the tape length.
(See step 2 on page 18.)



- 4 Press SIDE A/B to view the time remaining on side B.

A minus (-) sign on the remaining time display indicates that the total time of programmed tracks exceeds the tape length, and the programmed contents should be changed. (See page 21.)



- 5 Adjust the recording level on the cassette deck.
(Follow steps 3 and 4 on page 18.)

- 6 Press ► PLAY to start.

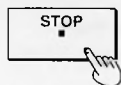
Recording on the cassette deck will start at the same time.

If the cassette deck is set to auto-reverse, recording on tape side B will begin automatically.

When recording on tape side B has finished, the CD player will automatically stop and the cassette deck will switch to recording standby mode.

To cancel the edit mode

Press ■ STOP after recording has finished.



To change the programmed contents

Press SIDE A/B to indicate the desired tape side.

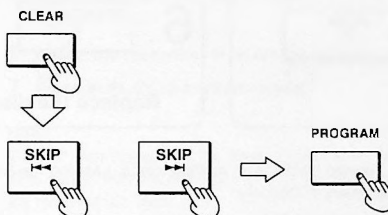


To enter additional tracks at the end of side A or B, press SKIP (◀◀, ▶▶) and PROGRAM.
(See page 12.)

To clear the last track on the tape side A or B, press CLEAR.



To clear and re-enter the last track on side A or B, press CLEAR and press SKIP (◀◀, ▶▶) and PROGRAM for the new track.



To clear a track in the middle of the sequence, press RECALL to display the track number to be cleared and then press CLEAR.



If the cassette deck has no SYNCHRO EDIT terminal

Press the play button of the cassette deck at the same time as pressing ► PLAY on the CD player to start recording.

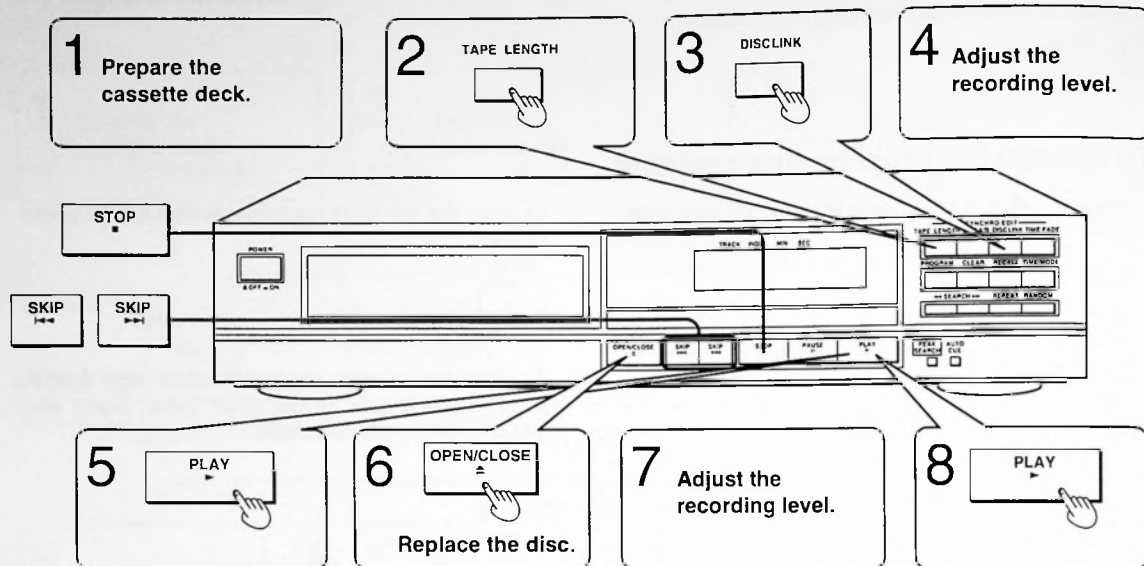
When the deck has reverse mode, set to one-way (→).

When the recording for side A is finished, the CD player will go to the pause mode. The cassette deck will keep recording.

To record on side B, first press the stop button on the cassette deck, then start recording again on side B while at the same time pressing ► PLAY on the CD player.

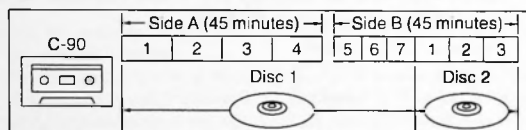
Recording from Compact Discs (continued)

Link function



You can record desired tracks from multiple discs, keeping the total playing time for all discs in memory.

For example, to record a 60 minute disc on a 90 minute tape and to record another disc in the space remaining on the tape:



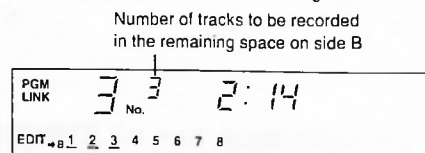
- 1 Prepare the cassette deck for recording.
(See page 19.)
- 2 Press **TAPE LENGTH** to select the tape length.
(See step 2 on page 18.)
- 3 Press **DISC LINK**.
Disc link indicator
- 4 Adjust the recording level on the cassette deck.
(Follow the steps 3 and 4 on page 18.)
- 5 Press **▶ PLAY**.
Recording on the cassette deck will start at the same time.

If the cassette deck is set to the auto-reverse mode, recording on tape side B will be automatically made.
When recording on tape side B has finished, the CD player will automatically stop and the cassette deck will switch to recording standby mode.

6 Replace the disc with another.

1. After recording is completed, press **▲ OPEN/CLOSE**.
2. Replace the disc.
3. Press **▲ OPEN/CLOSE** again.

The disc link function works and the display shows the number of tracks to be recorded on the remaining time.



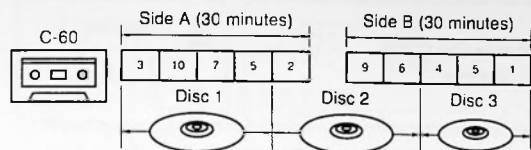
- 7 Adjust the recording level on the cassette deck.
(Follow the steps 3 and 4 on page 18.)
- 8 Press **▶ PLAY**.

To record more discs if the remaining time of the tape allows, repeat the steps 6-8.

Use of the link function cannot be continued when the disc is changed over near the end of side A and the remaining time on that side is shorter than the play time of the track or tracks which are to be edited. At times like this, fast forward the tape to the beginning of side B and resume the recording.

Example:

Recording the desired tracks from 3 discs on 60 minute tape



Recording for disc 1

- 1 Prepare the cassette deck for recording.
- 2 Enter the desired track number in desired sequence.
In this example:
Tracks 3→10→7→5
- 3 Press **TAPE LENGTH** twice to select "C-60".
- 4 Press **DISC LINK**.
- 5 Adjust the recording level on the cassette deck.
- 6 Press **▶ PLAY** to start recording.

Recording for disc 2

- 1 After recording is completed, press **▲ OPEN/CLOSE**.
- 2 Replace disc 1 with disc 2.
- 3 Press **▲ OPEN/CLOSE** again.
The unit automatically programs tracks on the remaining space and the display shows the number of tracks to be recorded, in normal sequence.
- 4 Press **CLEAR** to cancel the tracks automatically programmed.
Press the button repeatedly until the display shows "0".
- 5 Enter the track number for side A.
In this example:
Track 2
- 6 Press **SIDE A/B** to switch the display.
- 7 Press **CLEAR** to cancel the tracks automatically programmed.
- 8 Enter the track number for side B.
In this example:
Tracks 9→6
- 9 Adjust the recording level on the cassette deck.
- 10 Press **▶ PLAY** to start recording.

Recording for disc 3

- 1 After recording is completed, press **▲ OPEN/CLOSE**.
- 2 Replace disc 2 with disc 3.
- 3 Press **▲ OPEN/CLOSE** again.
- 4 Press **CLEAR** until the display shows "0".
- 5 Enter the track number.
In this example:
Tracks 4→5→1
- 6 Adjust the recording level on the cassette deck.
- 7 Press **▶ PLAY** to start recording.

Note:

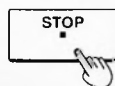
The "0" may appear on the track display after you replace the disc. This means that the first track on that disc is longer than the remaining space of the tape.
In this case, press **■ STOP** to cancel the edit mode.

If the cassette deck has no synchro edit terminal, the tape will keep running even after disc play has been completed. Press the stop button on the cassette deck.

Do not forget to stop the tape and rewind it to the position where the recording was completed. If the deck is not equipped with an auto reverse mode, change the tape over to side B when the recording on side A is finished.

To cancel the link function

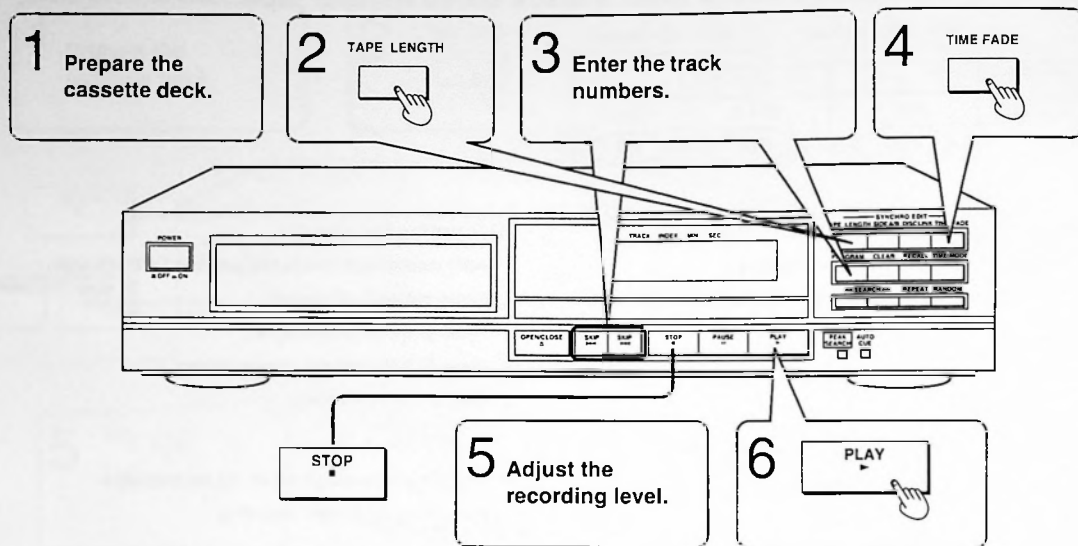
Press **■ STOP** after recording has finished.



The edit mode will be also cancelled.

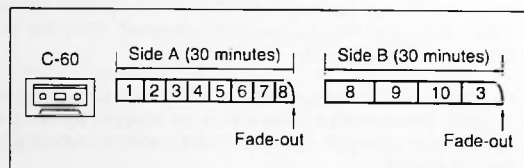
Recording from Compact Discs (continued)

Fade out editing



You can enter an additional track and record them with the fade-out at the end of each side of the tape.

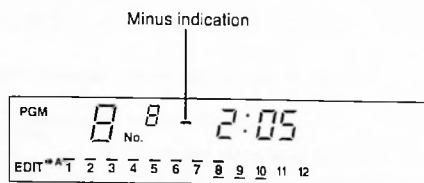
For example, to add track 3 on the remaining time and to set the fade-out on each tape side.



3 Enter the additional track to be recorded on the remaining time on side A.

(See page 21.)

For example if you enter track 3:



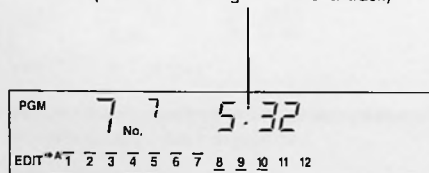
1 Prepare the cassette deck for recording.

(See page 19.)

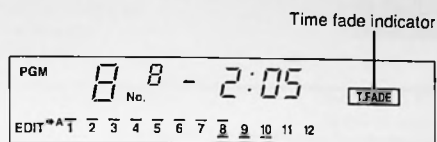
2 Press TAPE LENGTH to select the tape length.

(See step 2 on page 18.)

Remaining time on side A
(Time for recording an additional track)



4 Press TIME FADE.



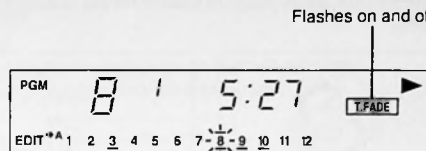
If you want to add a track on the remaining time on side B, press SIDE A/B then repeat steps 3 and 4.

5 Adjust the recording level on the cassette deck. (Follow steps 3 and 4 on page 18.)

6 Press ► PLAY to start recording.

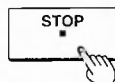
Recording on the cassette deck will start at the same time.

The fade-out begins 5 seconds before the end of the tape.



To cancel the fade out editing

Press ■ STOP after recording has finished.



The edit mode will also be cancelled.

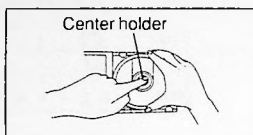
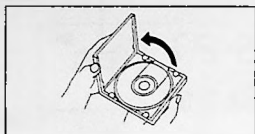
Concerning Compact Discs

Only compact discs having this mark can be used with this unit.



Handling precautions

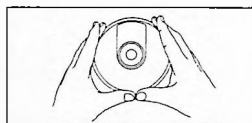
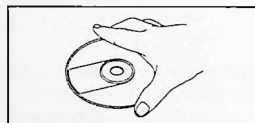
To open the case, gently press the sides of the top, holding the top at both sides.



To remove the disc from the case, press the center holder and lift the disc, holding by the edges.

To store the disc to the case, insert the disc with label facing up and press downward at the center.

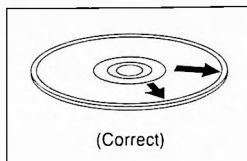
Hold compact discs by the edges so the surface is not soiled with fingerprints. Fingerprints, dirt and scratches can cause skipping and distortion.



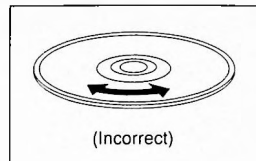
Do not use record cleaning sprays, benzine, thinner, static electricity prevention liquids or any other solvent.

If the surface is soiled, wipe gently with a soft, damp (water only) cloth.

Always move the cloth directly outward from the center of the disc, not in a circular motion as with standard phonograph records.



(Correct)



(Incorrect)

If the disc is brought from a cold to a warm environment, moisture may form on the disc. Wipe this off with a soft, dry, lint-free cloth before using the disc.

Do not write on the label side with a ball-point pen or other writing instrument.

Storage precautions

Be sure to store discs in their cases to protect them from dust, scratches and warping.

Do not place or store discs in the following places:

- 1) Locations exposed to direct sunlight.
- 2) Humid or dusty locations.
- 3) Locations directly exposed to a heat outlet or heating appliance.
- 4) In the glove compartment or rear ledge of an automobile.

Technical Specifications

Audio

No. of channels	2 (left and right, stereo)
Frequency response	2-20,000 Hz, ± 1 dB
Output voltage	2 V (at 0 dB)
Dynamic range	92 dB
S/N	100 dB
Total harmonic distortion	0.007 % (1 kHz, 0 dB)
Wow and flutter	Below measurable limit
DA converter	MASH (1 bit)
Output impedance	Approx. 1 k Ω
Load impedance	More than 10 k Ω

Pickup

Wavelength	780 nm
------------	--------

General

Power consumption	12 W
Power supply	AC 120 V, 60 Hz
Dimensions (W×H×D)	430×102.6×280 mm (16 ¹ / ₁₆ "×4 ¹ / ₃₂ "×11 ¹ / ₃₂ "
Weight	3.4 kg (7.5 lb)

Note:

Specifications are subject to change without notice.
Weight and dimensions are approximate.

MASH is a trademark of NTT.

Troubleshooting Guide

Before requesting service for this unit, check the chart below for a possible cause of the problem you are experiencing. Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation.

If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem, refer to the directory of Authorized Service Centers (enclosed with this unit) to locate a convenient service center, or consult your dealer for instructions. (In U.S.A. consult MSC Authorized Servicenters for detailed instructions.)

Problem	Probable cause(s)	Suggested remedy
CD player will not play.	Moisture has condensed in the unit.	Switch ON and allow the unit to dry out for about one hour before using the unit.
The disc in the unit does not play. A certain music passage won't play correctly.	The disc is upside down.	Be sure the label is facing upward.
	The disc is dirty.	Wipe the disc with a soft cloth.
	The disc is scratched.	Replace the disc with a new disc.
	The disc is warped.	
	The disc is not within specified standards.	
There is noise from the tuner or disturbance on the TV screen.	Caused by high-frequency signals of this unit.	Move the unit farther away from the tuner or TV. If the tuner's or TV's antenna is the indoor type, use an outdoor one.









Product Service

Do not attempt to remove the cover(s) or repair the unit yourself.
Refer servicing to qualified personnel only.

Product information

For product service, product information or assistance with product operation, refer to the servicenter directory.

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