

CD PLAYER

DP-5030

INSTRUCTION MANUAL

KENWOOD CORPORATION



Introduction

Your choice of this product indicates that you are a devotee to excellence in sound reproduction.

We appreciate your patronage and take pride in the long tradition of quality components that our company represents. So that you can get the most out of your unit, we suggest that you take the time to read through this manual before you hook up and operate your system. This will acquaint you with operating features and system-connection considerations so that your listening pleasure will be enhanced right from the start. You will notice that in all aspects of planning, engineering, styling, operating convenience and adaptability we have sought to anticipate your needs and desires.

Keep this manual handy for future reference.

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your dealer for information or service on this product.

Model _____ Serial Number _____

Unpacking

Unpack the unit carefully and make sure that all accessories are put aside so they will not be lost.

Examine the unit for any possibility of shipping damage. If your unit is damaged or fails to operate, notify your dealer immediately. If your unit was shipped to you directly, notify the shipping company without delay. Only the consignee (the person or company receiving the unit) can file a claim against the carrier for shipping damage.

We recommend that you retain the original carton and packing materials for use should you transport or ship the unit in the future.

For the USA

CAUTION:

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD CORPORATION
SHIONOGI SHIBUYA BUILDING 17-5,
2-CHOME, SHIBUYA, SHIBUYA-KU,
TOKYO, JAPAN

KENWOOD CORP. CERTIFIES THIS EQUIPMENT
CONFORMS TO DHHS REGULATIONS NO. 21 CFR
1040. 10, CHAPTER I, SUBCHAPTER J.

Location: Back Panel

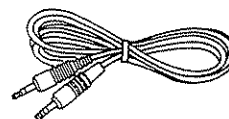
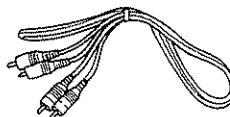
DANGER

INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED.
AVOID DIRECT EXPOSURE TO BEAM.

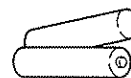
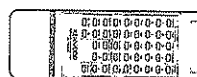
Location: Inside, near the Laser mechanism.

Accessories

- Audio cord 1
- System control cord 1
(Except for the U.K. and Europe)



- Remote control unit 1
- Battery..... 2
('AA' or 'R6')



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Caution: Read the pages marked  carefully to ensure safe operation.

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Before applying power

For the U.S.A. and Canada

Important!

Units shipped to the U.S.A. and Canada are designed for operation on 120 volts AC only.

Safety precaution for a Polarized AC plug

However, some products may be supplied with a non-polarized plug.

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

For the United Kingdom

Important!

Units shipped to the U.K. are designed for operation on 240 volts AC only.

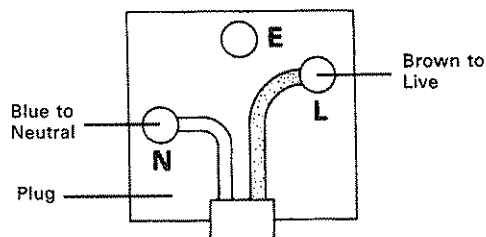
The mains plug must be removed from the wall socket prior to any internal examination.

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

Blue Neutral
Brown Live

The wires in this mains lead must be connected to the terminals in the plug as follows:

Wire colour	Plug terminal marking
Blue	N or Black
Brown	L or Red



Notes:

1. If a 13-amp plug is used, this must be fitted with a 5-amp fuse.
2. If a 3-pin plug with earthing contact is used, no wire must be connected to the E terminal.

For Australia and Europe

Important!

Units shipped to Australia are designed for operation on 240 V AC only.

Units shipped to Europe are designed for operation on 220 V AC only.

For other countries

Important!

Units shipped to countries other than the above countries are equipped with an AC voltage selector switch on the rear panel. Refer to the following paragraph for the proper setting of this switch.

AC voltage selection

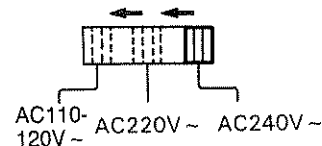
This unit operates on 110-120 or 220-240 volts AC. The AC voltage selector switch Type A or Type B on the rear panel is set to the voltage that prevails in the area to which the unit is shipped. Before connecting the power cord to your AC outlet, make sure that the setting position of this switch matches your line voltage. If not, it must be set to your voltage in accordance with the following direction.

Note:

Our warranty does not cover damage caused by excessive line voltage due to improper setting of the AC voltage selector switch.

AC voltage selector switch

Type A



Type B



Move switch lever to match your line voltage with a small screwdriver or other pointed tool.

Safety precautions

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



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.

IMPORTANT SAFEGUARDS

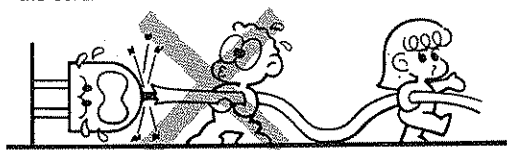
⚠ Caution : Read this page carefully to ensure safe operation.

Please read all of the safety and operating instructions before operating this unit. For best results, follow all warnings placed on the unit and adhere to the operating and use instructions. These safety and operating instructions should be retained for future reference.

1. Power sources — The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

2. Power-cord protection — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.

Never pull or stretch the cord.

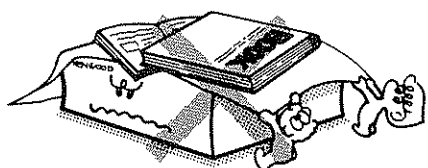


3. Grounding or polarization — The precautions should be taken so that the grounding or polarization means of this unit is not defeated.

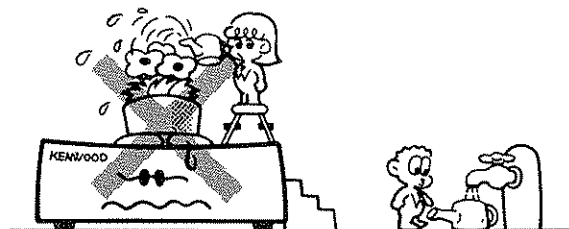
4. Ventilation — The unit should be situated so that its location or position does not interfere with its proper ventilation.

To maintain good ventilation, do not put records or a table-cloth on the unit. Place the unit at least 10 cm away from the walls.

Do not use the unit on a bed, sofa, rug or similar surface that may block the ventilation openings.

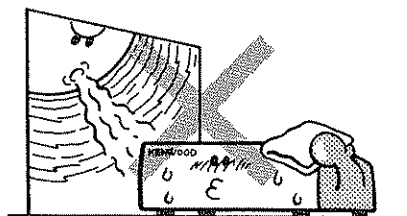


5. Water and moisture — The unit should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

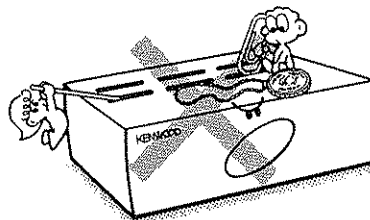


6. Temperature — The unit may not function properly if used at extremely low, or freezing temperatures. The ideal ambient temperature is above +5°C (41°F).

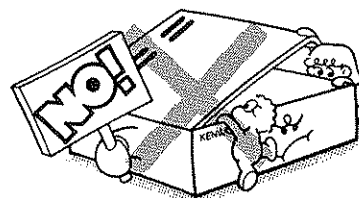
7. Heat — The unit should be situated away from heat sources such as radiators, heat registers, stoves, or other units (including amplifiers) that produce heat.



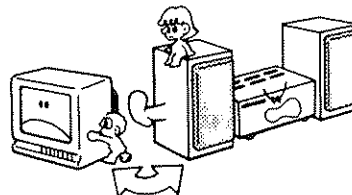
8. Electric shock — Care should be taken so that objects do not fall and liquid is not spilled into the enclosure through openings. If a metal object, such as a hair pin or a needle, comes into contact with the inside of this unit, a dangerous electric shock may result. For families with children, never permit children to put anything, especially metal, inside this unit.



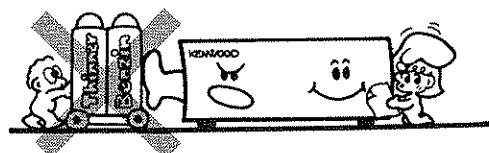
9. Enclosure removal — Never remove the enclosure. If the internal parts are touched accidentally, a serious electric shock might occur.



10. Magnetic fields — Keep the unit away from sources of magnetic fields such as TV sets, speaker systems, radios, motorized toys or magnetized objects.



11. Cleaning — Do not use volatile solvents such as alcohol, paint thinner, gasoline, or benzene, etc. to clean the cabinet. Use a clean dry cloth.



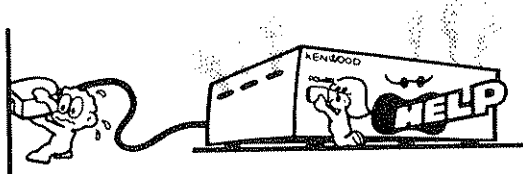
- 12. Carts and stands** — An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



- 13. Nonuse periods** — The power cord of the unit should be unplugged from the outlet when left unused for a long period of time.

- 14. Abnormal smell** — If an abnormal smell or smoke is detected, immediately turn the power OFF and pull out the power cord. Contact your dealer or nearest service center.

POWER OFF!



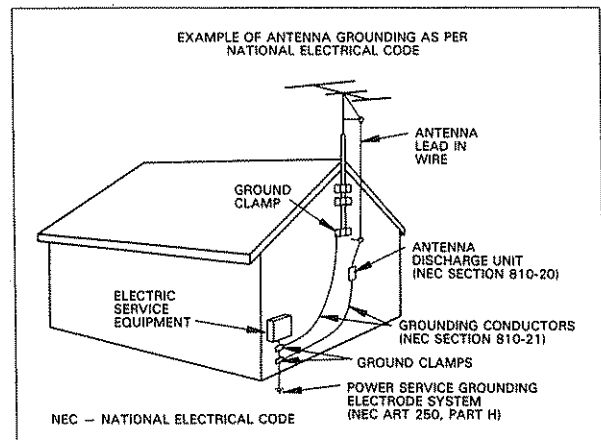
- 15. Damage requiring service** — The unit should be serviced by qualified service personnel when:

- A.** The 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.

- 16. 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.

- 17. Outdoor antenna grounding** — If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electrical Code, ANSI/ NFPA No. 70—1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding con-

ductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure.



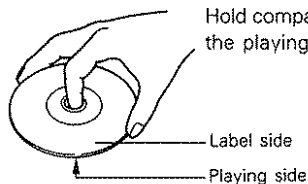
- 18. Power lines** — An outdoor antenna should be located away from power lines.

Notes:

- 1.** Item 3 is not required except for grounded or polarized equipment.
- 2.** Item 17 and 18 are not required except for units provided with antenna terminals.
- 3.** Item 17 complies with UL in the U.S.A.

Before operation

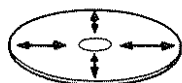
■ Disc handling precautions



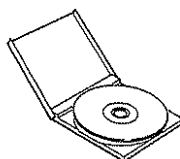
Hold compact discs so that you do not touch the playing surface.



Do not attach paper or tape to either the playing side or the label side of compact discs.



If fingerprints or foreign matter become attached to the disc, lightly wipe the disc with a soft cotton cloth (or similar) from the center of the disc outwards in a radial manner.



When a disc is not to be played for a long period of time, remove it from the CD player and store it in its case.

■ Notes on transporting or moving the unit

Carry out the following operations before transporting or moving the unit.

1. After making sure that there is no compact disc loaded in the unit, turn the POWER switch ON.
2. Wait for several seconds to verify that the DISC OUT indicator (OUT) lights on the display, and then turn the POWER switch back OFF.

(Lights when no disc is loaded.)

DISC OUT indicator



■ Beware of condensation

When water vapor comes into contact with the surface of cold material, water drops are produced.

If condensation occurs, correct operation may not be possible, or the unit may not function correctly.

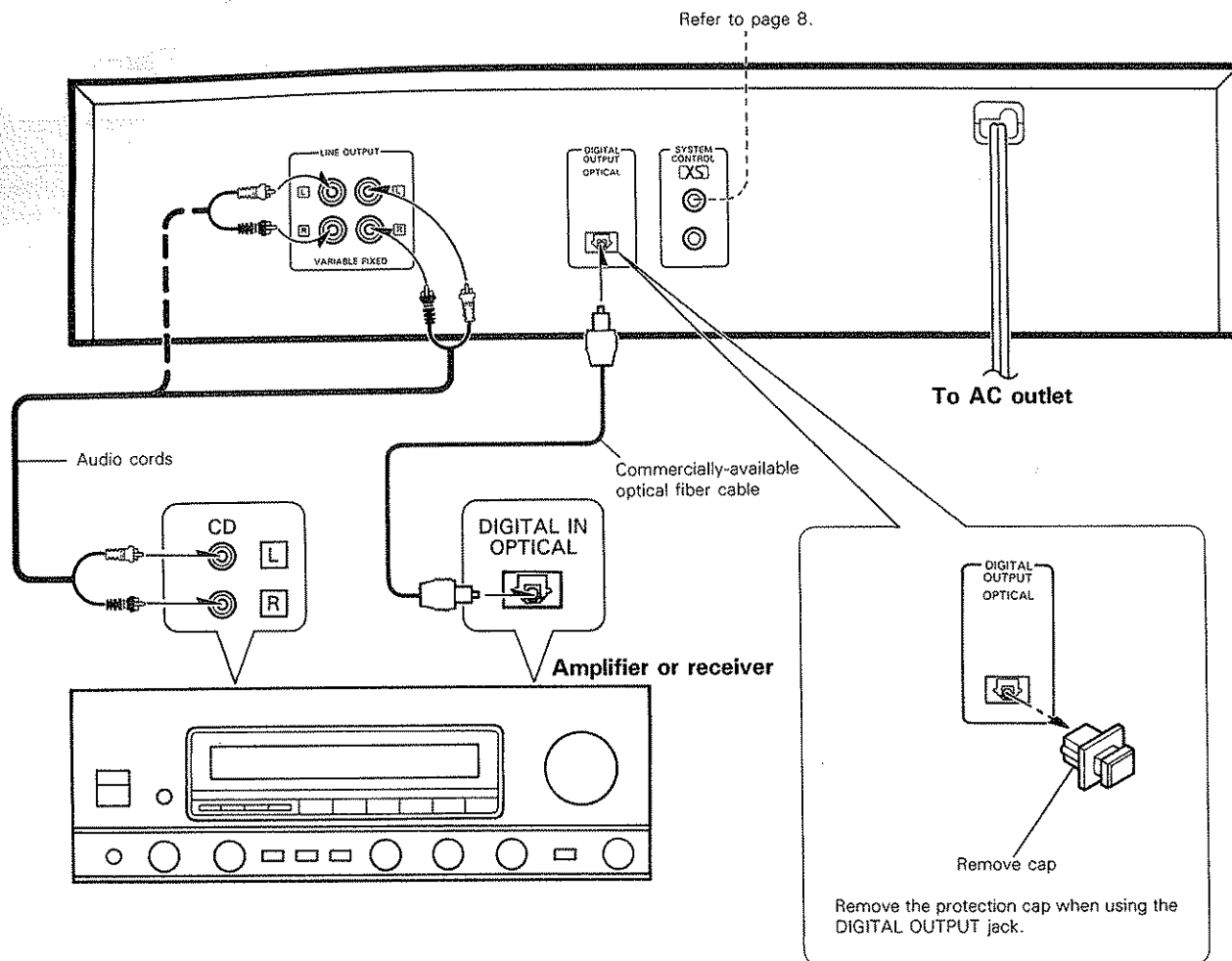
This is not a malfunction, however, and the unit should be dried. (To do this, turn the POWER switch ON and leave the unit as it is for several hours.)

Be especially careful in the following conditions:

- When the unit is brought from a cold place to a warm place, and there is a large temperature difference.
- When a heater starts operating.
- When the unit is brought from an air-conditioned place to a place of high temperature with high humidity.
- When there is a large difference between the internal temperature of the unit and the ambient temperature, or in conditions where condensation occurs easily.

System connections

Do not plug the AC power cord into the outlet until all connections are completed.
Connect the output jacks of this unit to the input jacks of the amplifier using either audio cords or an optical fiber cable.
Refer to the instruction manual provided with your amplifier to ensure proper connection.



■ Connection to a general-use amplifier

Use either **FIXED** output jacks or **VARIABLE** output jacks according to your purpose.

1. **FIXED** output jacks

The output level of these jacks remains fixed.

2. **VARIABLE** output jacks

When the **OUTPUT LEVEL** control on this unit's front panel or the remote control unit is adjusted, the output level of these jacks is varied simultaneously with the output level of the **PHONES** jack. Use these jacks when it is desired to match the output level of this unit with that of another component.

■ Connection to a digital amplifier

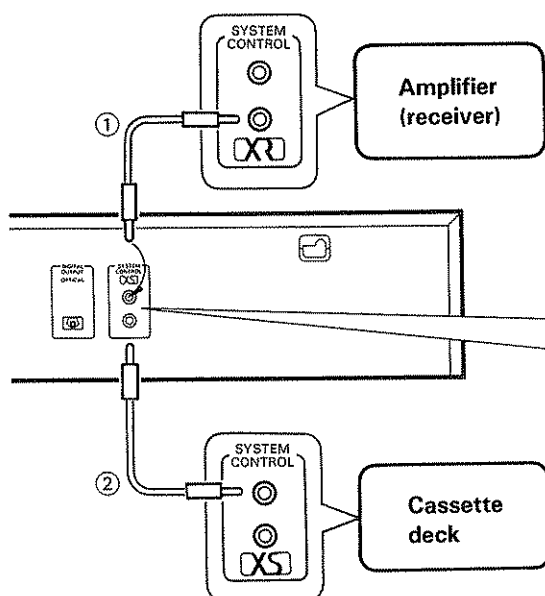
OPTICAL DIGITAL OUTPUT jack

Digital audio signals are optically converted and output from this jack. Use this jack when connecting the player to a digital amplifier provided with an optical input jack.

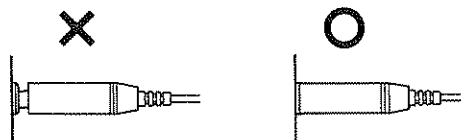
Notes:

1. Be sure to connect the connection cord(s) securely. If connections are not made securely, sound may not be produced and/or noise may be generated. Improper connections can also cause player misoperation.
2. Before plugging/unplugging connection cords, be sure to switch the power off and set the amplifier's volume control to its minimum position.
If connection cords are plugged or unplugged without carrying out the above precautions, malfunction may result.

System control connections



Fully insert the system control plug.



SYSTEM CONTROL jacks

A variety of system operations are possible when these jacks are connected to the SYSTEM CONTROL jacks of a KENWOOD amplifier and/or cassette deck.

Do not connect these jacks to any component other than those specified by KENWOOD, or malfunction may result.

■ Optical fiber cable connection

1. When using an optical fiber cable to connect this unit to a digital amplifier, insert the plug straight into the jack until a snap sound is heard.
2. Be careful not to bend, coil, or bundle the optical fiber cable.
3. Optical fiber cables available on the market may not always be able to be used with this player.

If your cord cannot be used with this unit, consult the store from which you purchased the cord or your nearest dealer.

System operation

1. Connection with an amplifier

The SYSTEM CONTROL jacks on KENWOOD amplifiers are marked with either "XS" or "XS".

By connecting the SYSTEM CONTROL jack of this unit with that of a KENWOOD amplifier, the following system operations are possible.

When connected to an "XS" jack:

The CD player can be controlled as part of the entire system with the remote control unit provided with the amplifier.

When connected to an "XS" jack:

The CD player can be controlled as part of the entire system with the remote control unit provided with the amplifier. Also automatic operation is possible.

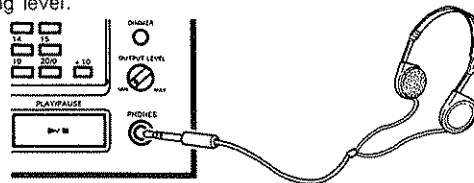
For details, refer to the instruction manual provided with your amplifier.

2. Connection with a cassette deck

By connecting the SYSTEM CONTROL jack of this unit with the "XS" SYSTEM CONTROL jack of a KENWOOD cassette deck, CCRS recording can be carried out.

Using headphones

Insert the plug of a commercially-available pair of headphones into the PHONES jack. Adjust the OUTPUT LEVEL control to set the desired listening level.



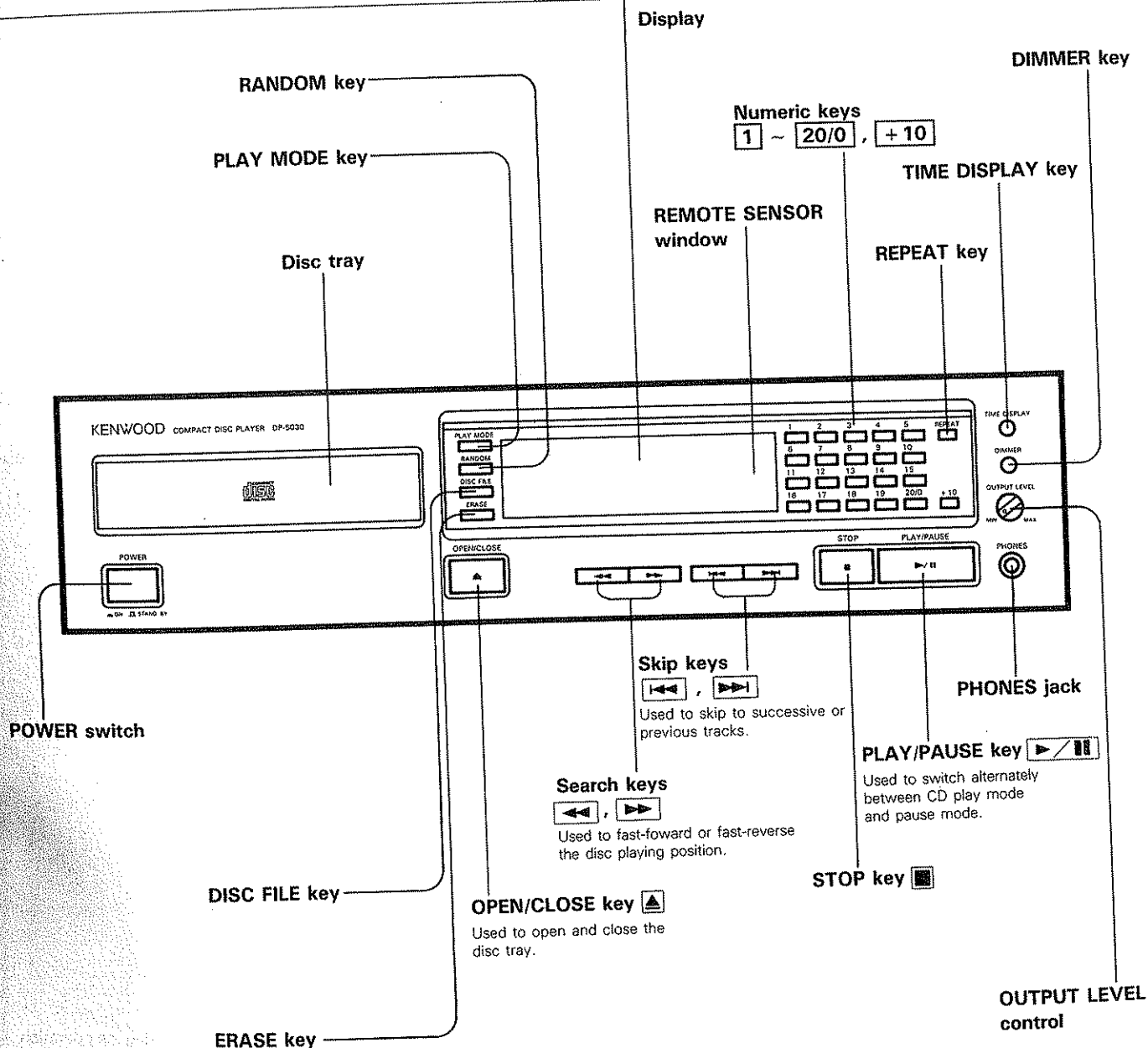
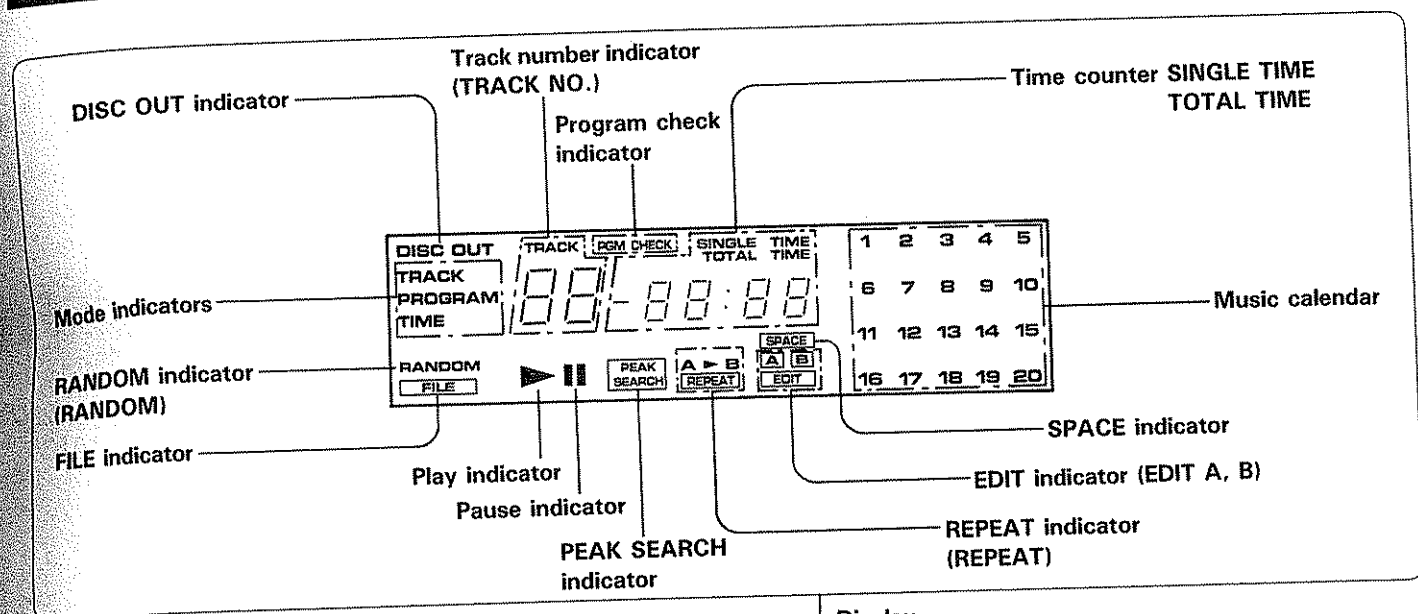
CCRS

The CCRS function is used when recording from a compact disc to a tape in a cassette deck, and operates to adjust the cassette deck's recording level to the optimum setting according to the playing level of the compact disc. For details on the CCRS function, refer to the instruction manual provided with your cassette deck.

Note:

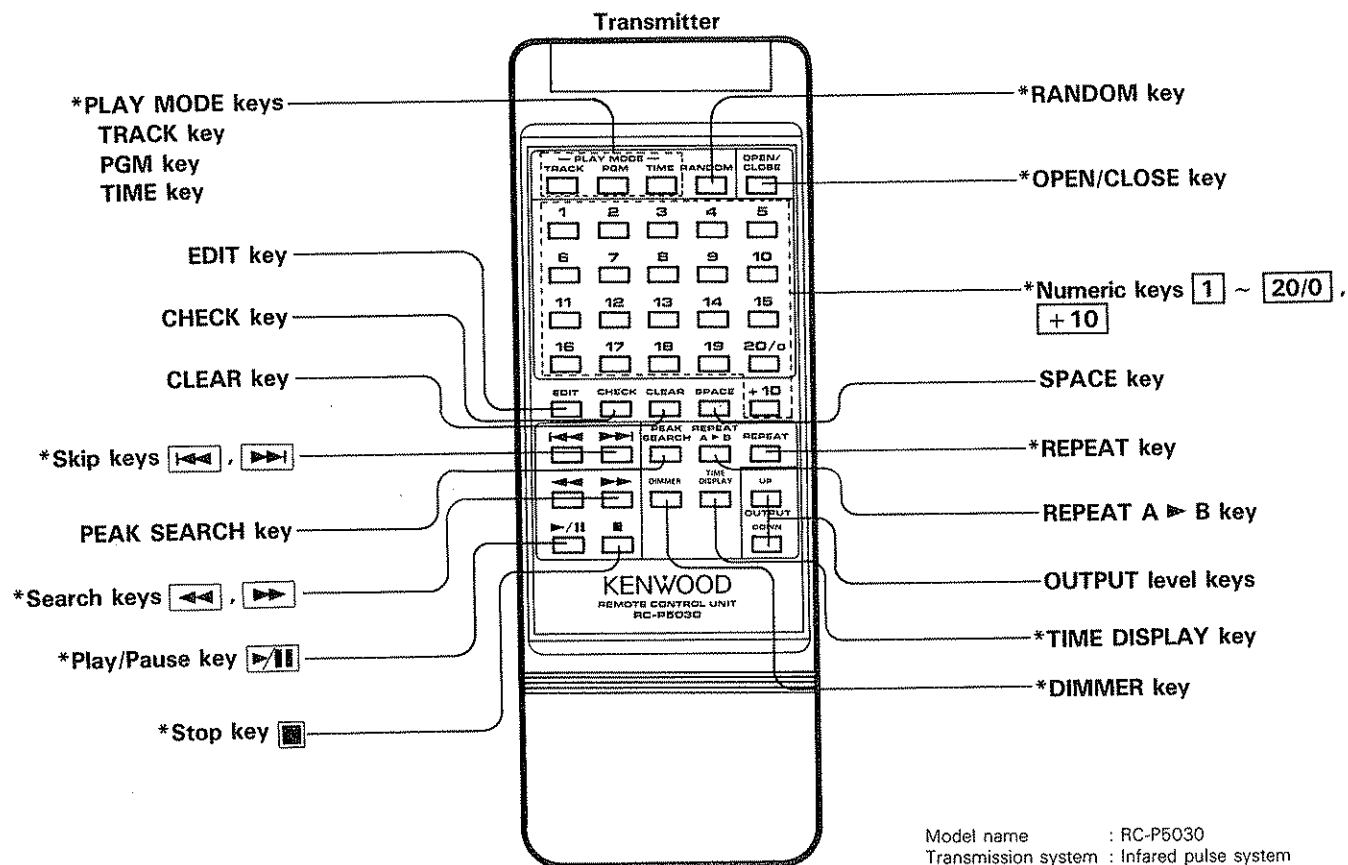
When using the System Control function, be sure to connect the LINE OUTPUT jacks of this unit to the input jacks of the amplifier using audio cords.

Controls and indicators



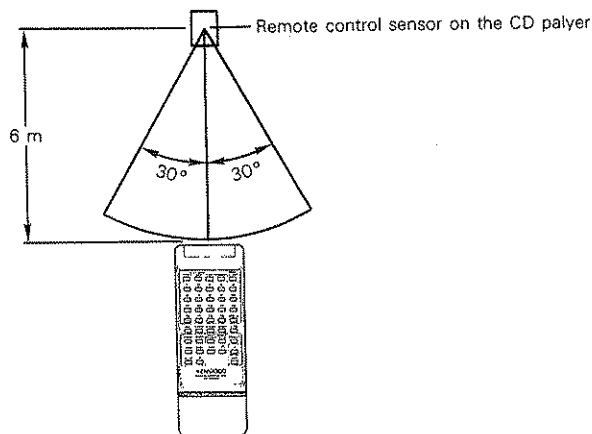
Remote control operation

All of the functions of the CD player (except of the POWER switch) can be operated using the remote control unit. Keys marked with an asterisk "*" can also be operated on the front panel of the CD player.



Remote control operation range

The operation range of the remote control unit varies according to conditions such as temperature, humidity, and use location, but is roughly as shown in the illustration below.



Note:

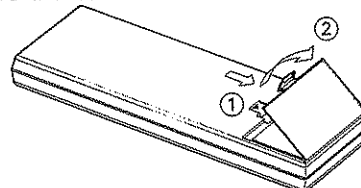
Wait at least one second after pressing an operation key on the remote control unit before pressing another key.

If you press two keys on the remote control unit quickly in succession, the CD player may not operate correctly.

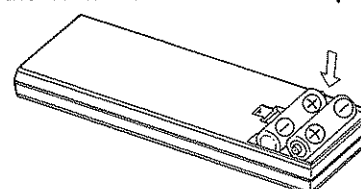
Loading batteries

Load two "R6", "A" size dry batteries into the remote control unit as shown in the illustrations below.

1. Remove the cover.



2. Insert the batteries with the correct polarity.



3. Replace the cover.

Note:

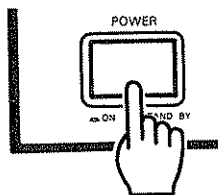
The batteries provided with this are for use in checking the operation of the remote control unit and may have a short service life.

When the effective operating distance of the remote control unit becomes noticeably shorter, or if the remote control unit stops operating, replace both batteries with new batteries.

Preparing to play

■ Loading a disc

1 Turn the power on.

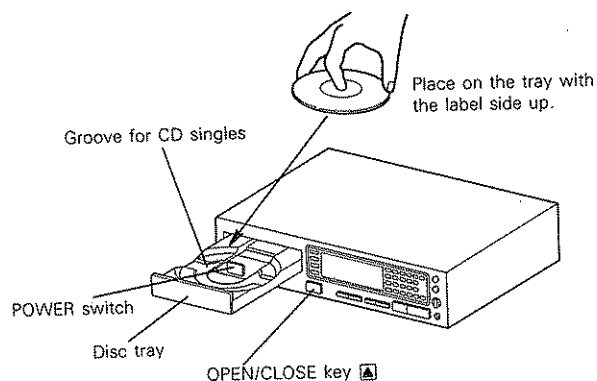


2 Open the disc tray.



Remote control unit
or
OPEN/
CLOSE

3 Place the disc.



- With CD singles (8 cm), be sure to properly place the disc in the center groove of the disc tray.

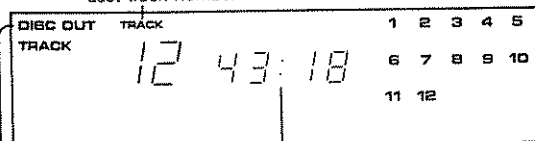
4 Close the disc tray.



Remote control unit
or
OPEN/
CLOSE

Display

Last track number

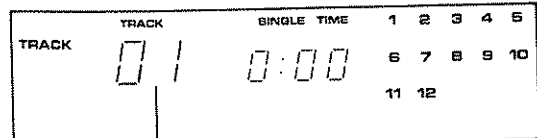


Lights when no disc is loaded.

The total disc playing time is displayed.

The track numbers of the tunes recorded on the disc are displayed

After several seconds...



The first track number is displayed.

■ Removing a disc

1 Open the disc tray.



Remote control unit
or
OPEN/
CLOSE

- The tray opens.

2 Remove the disc.

3 Close the disc tray.



Remote control unit
or
OPEN/
CLOSE

Notes:

1. Be sure that the disc is placed on the disc tray with the label side up. If the disc is loaded upside down, no sound will be produced.
2. Do not place any object other than a disc on the disc tray.
3. A disc may become scratched if it is placed on the tray at an angle.

Disc types which can be played with this unit

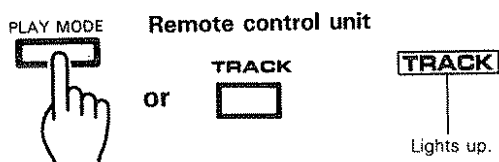
Disc type	Disc size
CD (general compact disc)	12 cm
CD single	8 cm
CDV (CD with video)-audio part only	12 cm

- When playing CDVs, the time display shows the total playing time of the audio part only.

Manual play (Track mode)

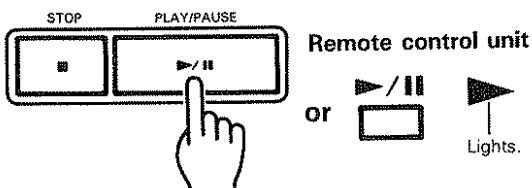
■ To play from the first tune

1 Enter the track mode.



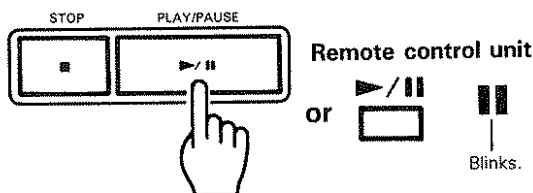
- The track mode is automatically set when the power is turned on.

2 Start disc play.



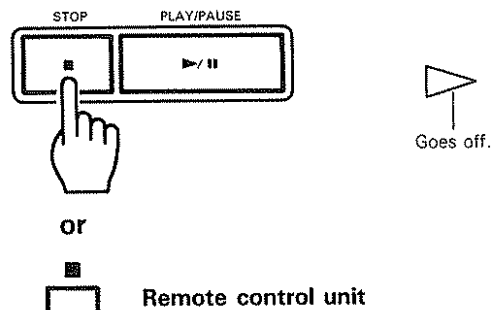
- After several seconds, the player begins playing the first tune.
- If a disc is present in the player when the power is turned on, play begins automatically from the first tune on the disc.
- With a filed disc, the play starts as disc file play. (Refer to page 18.)

■ To temporarily pause disc play



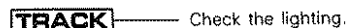
- If the PLAY/PAUSE key is pressed again, play is resumed from the same location.

■ To stop play



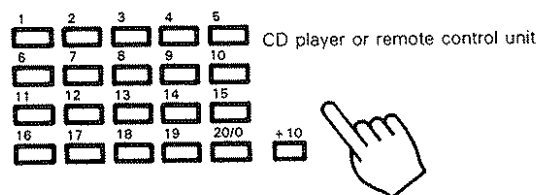
■ To play from a designated tune

1 Make sure the CD player is in track mode.



- If a play mode indicator other than TRACK is lit, press the TRACK key so that the TRACK indicator lights.

2 Select the desired track No.

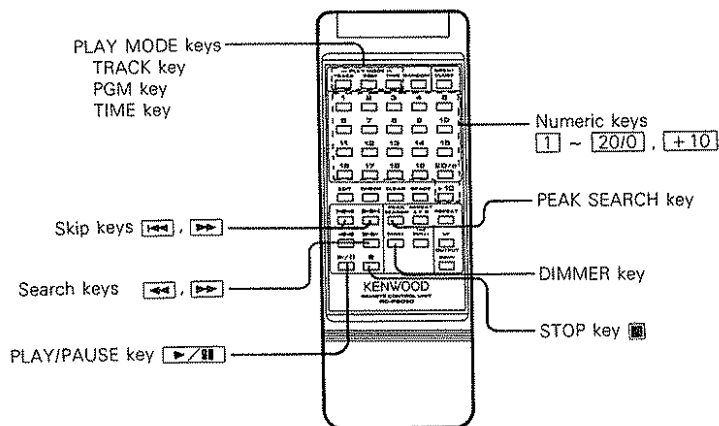
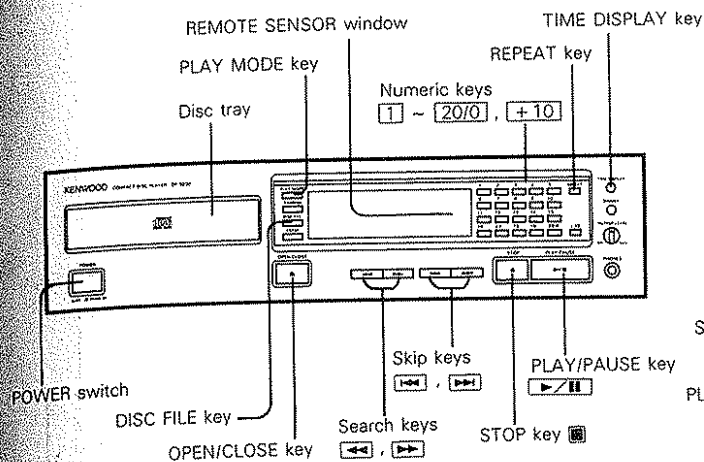


Examples:

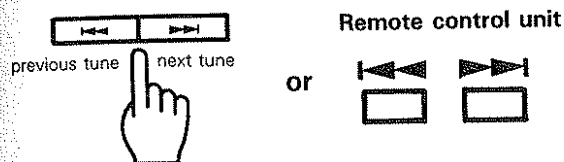
To enter track number 23, press the **+10** key twice and then press the **3** key.

To enter track number 40, press the **+10** key four times and then press the **20/0** key.

- The **20/0** key is used to select track number "20" or to designate the "0" for track number 30, 40, etc.



■ To skip to a tune located after or before the current tune



- If the key is pressed once, the next (or previous) tune will be selected. If the key is pressed several times in succession or held pressed, tune located several places after (or before) the current tune will be selected.
- Play begins from the beginning of the selected tune.
- If the key is pressed once during play, the current tune will be played again from the beginning.
- If one of the SKIP keys is operated during pause mode, play will begin from the selected tune when the PLAY/PAUSE key is pressed to cancel the pause mode.

DIMMER Key

The brightness of the Display on this CD player can be changed with this key.

ON ↔ DIMMER

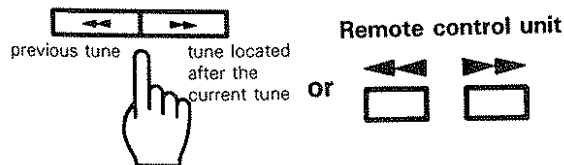
PEAK SEARCH key (Remote control unit)

When this key is pressed after loading a CD, the largest output level of the CD is sensed and the playback of the part(s) of that level is carried out for about 4 seconds.

Set the recording level of the cassette deck during this playback. Press the STOP key to cancel this operation. Carry out Peak Search operation several times.

As the sound is heard from the speakers during Peak Search operation, slightly decrease the volume level with the amplifier's volume control.

■ To fast-forward or fast-reverse the playing location



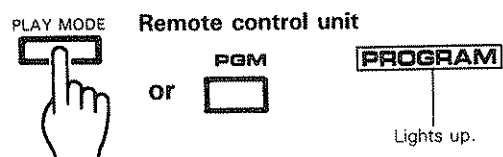
- If the key is held pressed for more than approximately 2 seconds, the fast-forward (or fast-reverse) speed will be increased.

Programmed play (Program mode)

Up to 20 tunes can be programmed and played in any desired order.

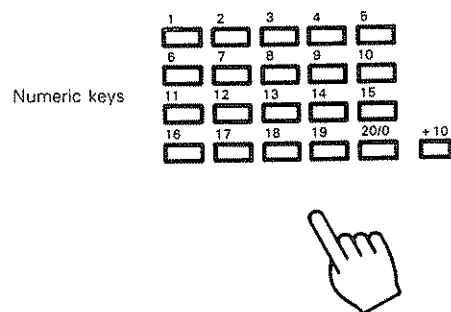
■ To play back programmed tunes

1 Enter the program mode.



2 Select the desired track Nos. in order.

CD player or remote control unit



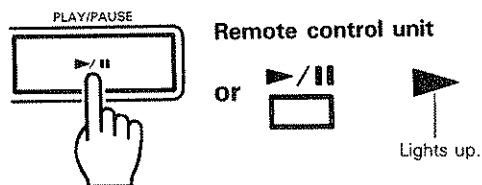
Example:

To program the track Nos. 2, 5, and 25:

Press the numeric keys **2**, **5**, **+10**, **+10**, and **5** in this order.

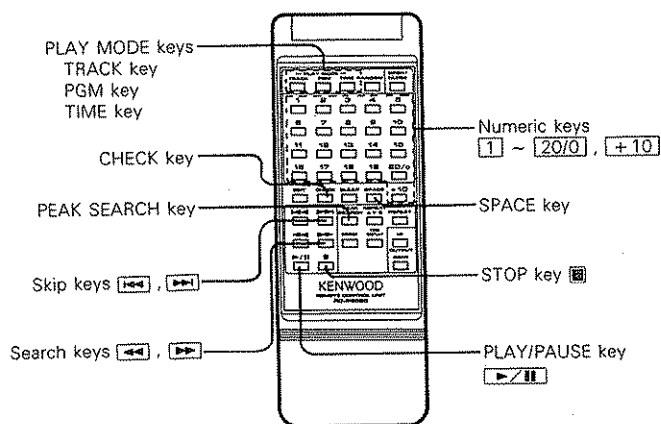
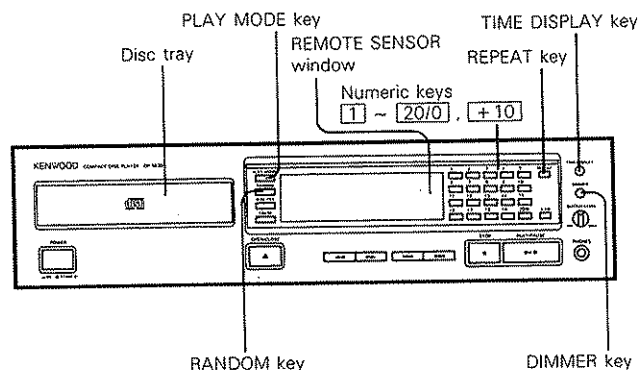
- If you mistakenly enter an incorrect track number, press the CLEAR key once and re-enter the correct track number.
- If desired, you can carry out programming with the disc tray open in order to see the disc label.

3 Start playback.



Note:

If track number 31 or above is selected, the track will be programmed but the remaining play time for that track and the total remaining play time for the disc will not be displayed.



■ To check the program

Remote control unit only



- Each time the CHECK key is pressed, the track number of the next tune in the program and the total playing time up to and including that tune are displayed.

■ To change the program

1 Select the track No. to be changed.

Remote control
unit only

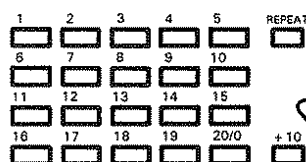
CHECK



PGM CHECK

Lights up.

2 Program the desired track No. to replace.



Remote control unit
or CD player

- Press the keys to input the desired track No. while the PGM CHECK indicator is lit.
- The tune being played cannot be replaced.

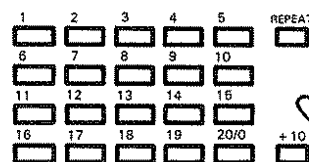
■ To add tunes to a program

1 Check that the CD player is in program mode.

PROGRAM

Lights up

2 Enter the track No. to be added.



Remote control unit
or CD player

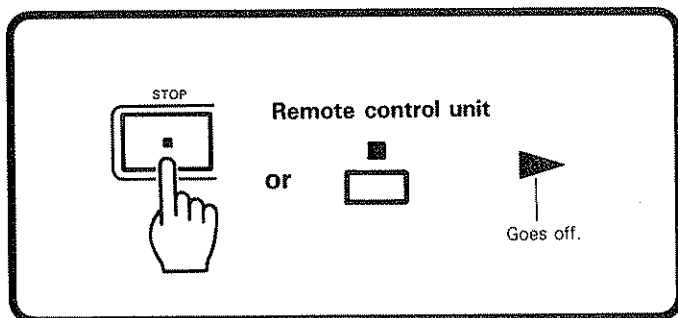
■ To begin program play from the desired programmed tune

Play is advanced to the next programmed tune each time the forward skip key  is pressed.

Play returns to the previous programmed tune each time the backward skip key  is pressed.

- If the  key is pressed once during program play, the current tune will be played again from the beginning.

■ To stop program play



Creating spaces between tunes

This player has a function which automatically creates blank spaces of approximately 4 seconds between tunes.

This function is useful when making tape recordings of CDs because it allows the music search function of the cassette deck to be used to find tunes on the tape.

Remote control unit only

SPACE

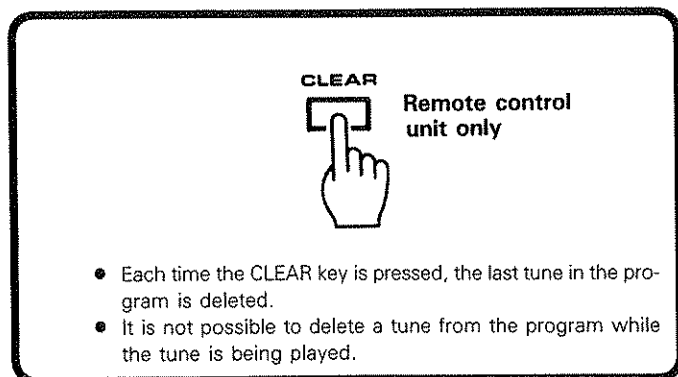


SPACE

Lights up.

- The total disc playing time display is adjusted to include the total time required for the spaces.
- To cancel the space function, press the SPACE key again.

■ To erase from the last tune of the program



- Each time the CLEAR key is pressed, the last tune in the program is deleted.
- It is not possible to delete a tune from the program while the tune is being played.

■ To erase the entire program

The entire contents of the program will be erased when one of the following operations is carried out.

- ① When the PLAY MODE TRACK or TIME key is pressed.

— PLAY MODE —
TRACK PGM TIME

Remote control unit or CD player



PLAY MODE key on the CD player

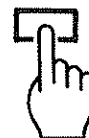
- ② When the OPEN/CLOSE key  is pressed when the disc tray is closed.



Remote control unit or CD player

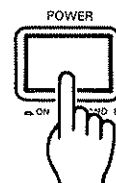
- ③ When the CLEAR key is pressed the same number of times as the number of tunes in the program while the player is in stop mode.

CLEAR



Remote control unit only

- ④ When the POWER switch is pressed and the power is turned off.



CD player only

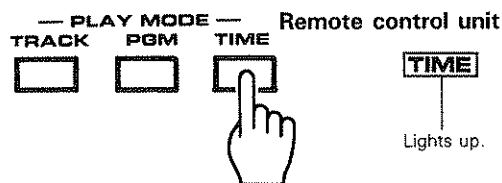
Time mode play

This mode allows you to begin play from the desired elapsed time point of a desired tune.

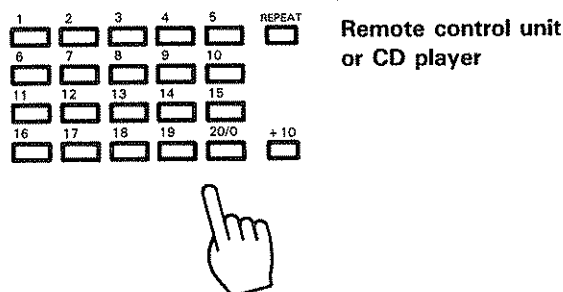
■ To begin play from a desired time point in a desired tune

(This operation can only be carried out with the disc tray closed.)

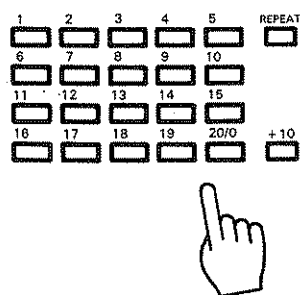
1 Enter the time mode.



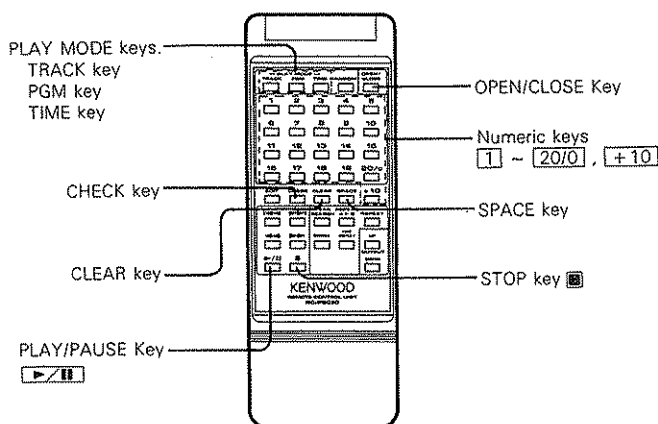
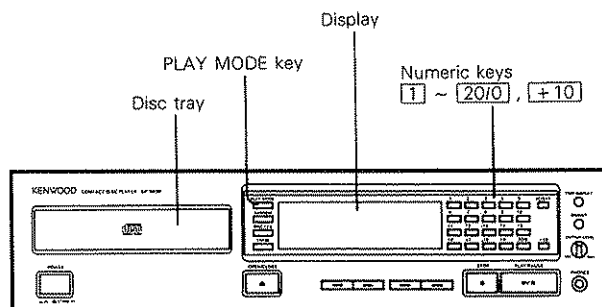
2 Press the numeric keys to input the desired track No.



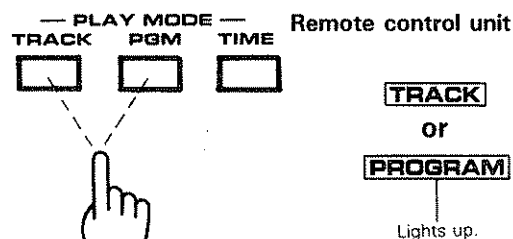
3 Input the desired elapsed time.



- Input by the minute and second.
- To enter 20 minutes 00 second, press the **+10** key twice and **20/0** key twice.
- To enter 5 minutes 15 seconds, press **5** key, **+10** key then **5** key.
- The play/pause indicator (▷) lights, and after several seconds, play begins from the designated time point.
- If you designate a time which exceeds the play time of the desired tune, play will begin from the beginning of the tune.



■ To cancel TIME mode



- Press either the TRACK or PGM key.

Note:

If you designate a time using the time indications printed on the CD label or case, the actual play start timing may be shifted slightly.

Disc file play

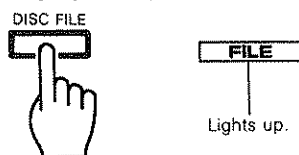
The quick recall of the desired tune(s) is possible.
The player stores the files of the discs even when the power is turned off.
Disc file can be carried out in stop mode.

■ To file a disc

When the player is in program mode:

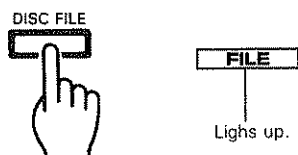
Press the DISC FILE key after programming the desired tunes so that the program is stored as a file in the CD player.

The CD player only



When the player is in time mode:

Press the DISC FILE key while the **FILE** indicator is lit after inputting the desired elapsed time of the desired tune. The track No. and the time are filed and stored in the CD player.



- Files of up to 80 discs can be stored in program or time mode.

■ To play a filed disc

1 Turn the power on

2 Place a filed disc on the disc tray

When the player is in program mode:
After **FILE** is displayed

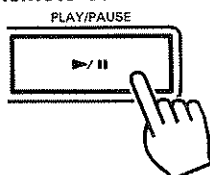
3 Start play

CD player



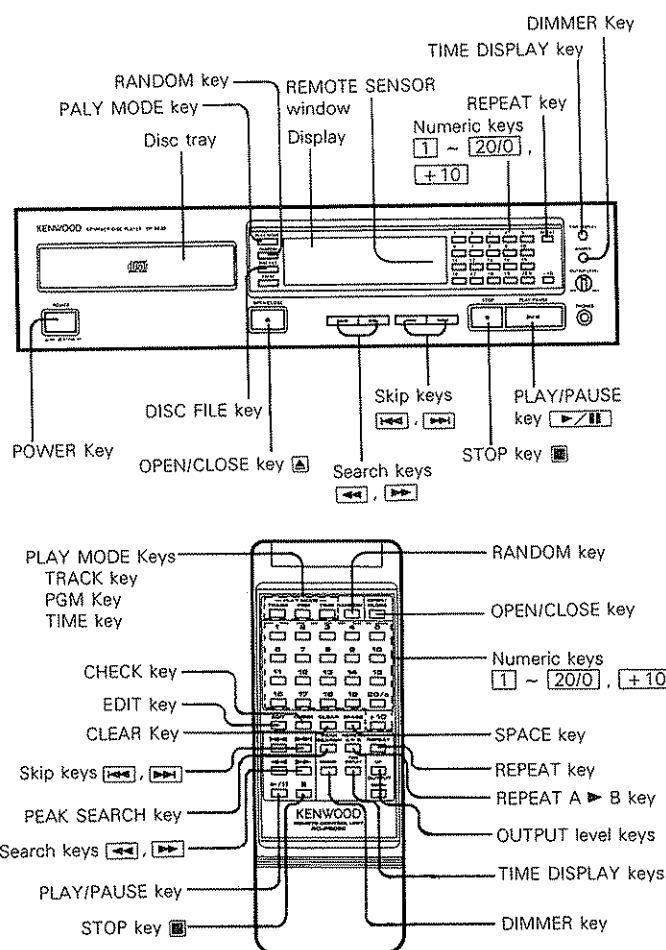
or

Remote control unit



When the player is in time mode:

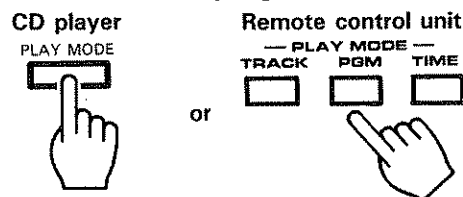
- Disc file play automatically starts.



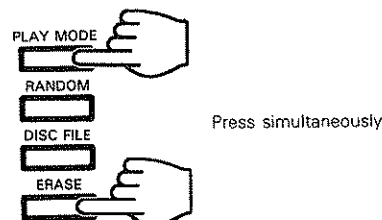
■ To erase the disc file

To erase all disc files:

1 Enter the track or program mode



2



To erase the file of the disc currently in the tray:



- The program is not erased in program mode. To erase the program refer to page 16.

When a CD is recorded onto a cassette tape, the Edit function automatically selects and programs tracks in two groups for tape sides A and B so that the tracks can be recorded within the specified recording time of each side without being interrupted at the ends of tape.

■ To edit tunes in the order of their track numbers

1 Enter the stop mode.

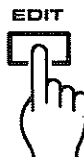
Remote control unit
or CD player



Goes off.

2 Enter the EDIT mode.

Remote control unit

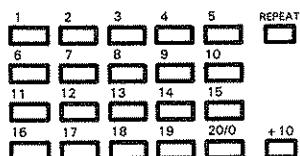


EDIT

Lights up.

3 Within 8 seconds after pressing the EDIT key, set the required recording time of both sides using the numeric keys.

Numeric keys



Press.

Remote control unit
or CD player



- The recording time can be set in one-minute units (2 digits) up to a maximum time of 99 minutes

Example: To edit tunes to fit within a recording time of 46 minutes

Press the **+10** key four times and then press the **6** key.

■ To check the edited program contents

CHECK



PGM CHECK

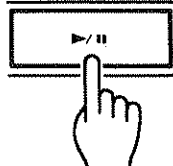
Lights up.

- Each time the CHECK key is pressed, the track numbers of the edited tunes are displayed in sequence starting from the beginning of the A file and continuing through to the end of the B file.

■ To play an edited program

CD player

PLAY/PAUSE



Remote control unit

or



Lights up.

- The tunes in the A file are played in sequence and the player enters pause mode at the beginning of the B file.
- To play the tunes in the B file, press the PLAY/PAUSE key again.

■ To erase the edited program contents

After editing is completed, the entire contents of the edited program will be erased when one of the following operations is carried out.

- When the PLAY MODE TRACK or TIME key is pressed.
- When the OPEN/CLOSE key  is pressed.
- When the POWER switch is pressed and the power is turned off.

The editing is performed as follows.

- The set recording time is divided by two (to 23 minutes in the example above), and tracks that can be accommodated in file A (program for tape side A) are selected and arranged in order from the smallest track No. to larger track Nos.
- In a few seconds, the expected remaining time after file A is displayed. Then the tracks for file B (for tape side B) starts to be edited in the similar method.
 - When the EDIT operation is carried out after a designated tune is programmed, the programmed tune is given priority and then other tunes are added to the program in the order of their track numbers according to the amount of time remaining.

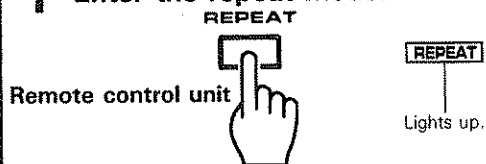
Notes:

- A maximum of 20 tunes can be edited by the EDIT function.
- If a track number of 31 or higher is programmed, the EDIT function will not operate.

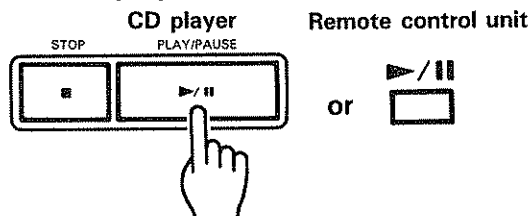
Repeated play

■ To repeat all the contents (Repeat play)

1 Enter the repeat mode.



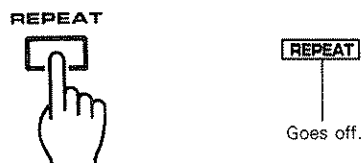
2 Start disc play.



- When the player is in track mode, all of the tracks on the disc are played repeatedly.
- When the player is in program mode, all of the programmed tracks are played repeatedly.

■ To cancel repeat play

Remote control unit

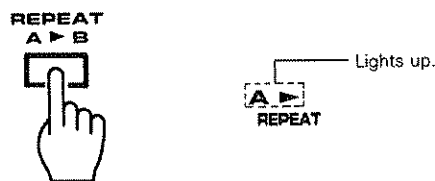


- The player resumes the normal play.

■ To repeatedly play a designated section

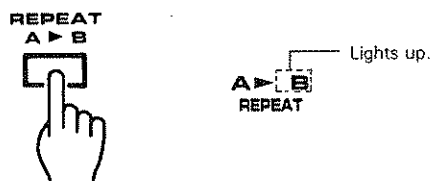
This function is useful when it is desired to repeatedly play a certain section of a tune.

1 Designate the desired start point of the tune while the tune is being played back.



- The start point (point A) of the section to be repeated is set.
- In program mode or random play mode, it is not possible to designate a section which extends over two or more tracks.

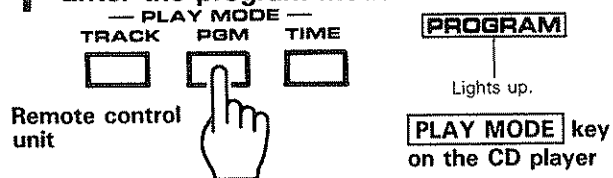
2 Designate the end point of the section to be repeated.



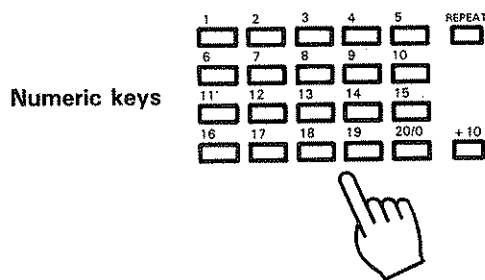
- The end point (point B) of the section to be repeated is set. At the same time, the player returns point A and A-B repeat play begins.
- In the program mode, repeat play in a designated section is not possible.

■ To repeat a single tune (Single tune repeat)

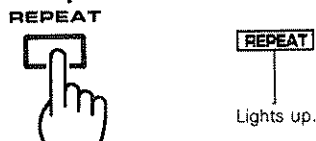
1 Enter the program mode.



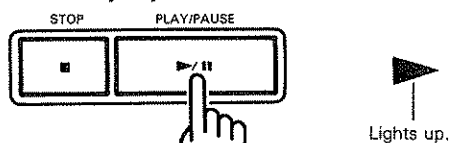
2 Select the track No.

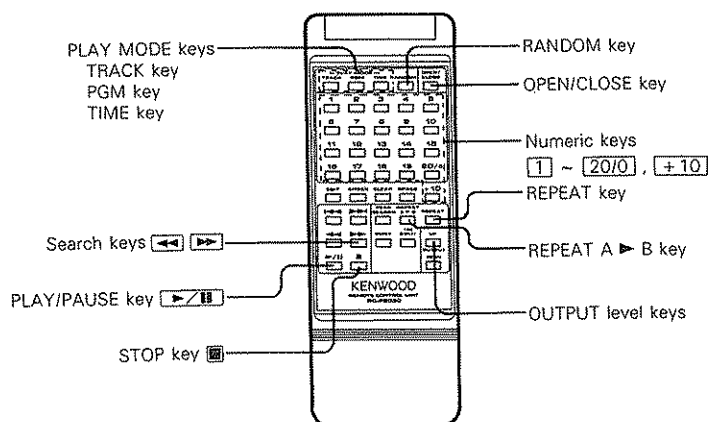
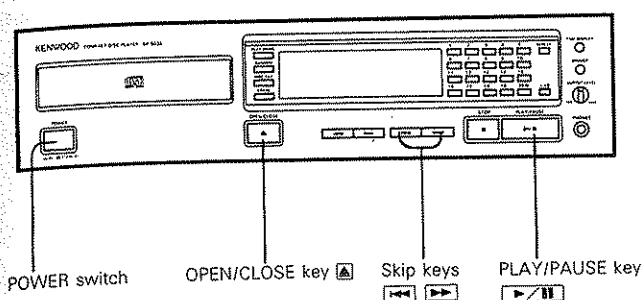


3 Enter the repeat mode.



4 Start disc play.





■ To cancel A-B repeat play

Press again.

Remote control unit



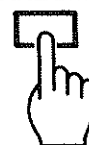
A ▶ B
REPEAT
Goes off.

- A-B repeat play can also be canceled by pressing one of the PLAY MODE keys to switch to another play mode.
- A-B repeat play can also be canceled by pressing the STOP key .

■ To carry out random play

Remote control unit

RANDOM



RANDOM
Lights up.

- When the player is in track or time mode, a tune with a track number in the range of 1 to 20 is randomly selected and play begins.
- When the player is in program mode, a tune is randomly selected from among the programmed tunes and play begins.
- If the skip key is pressed, another tune is randomly selected and played.
- If the skip key is pressed once, the tune currently being played will be played again from the beginning.
- When the end of one tune is reached, another tune is randomly selected and played.
- Random play stops after all of the tunes have been played once.
- If the REPEAT key is pressed, random play operation is repeated continuously.

■ To cancel random play

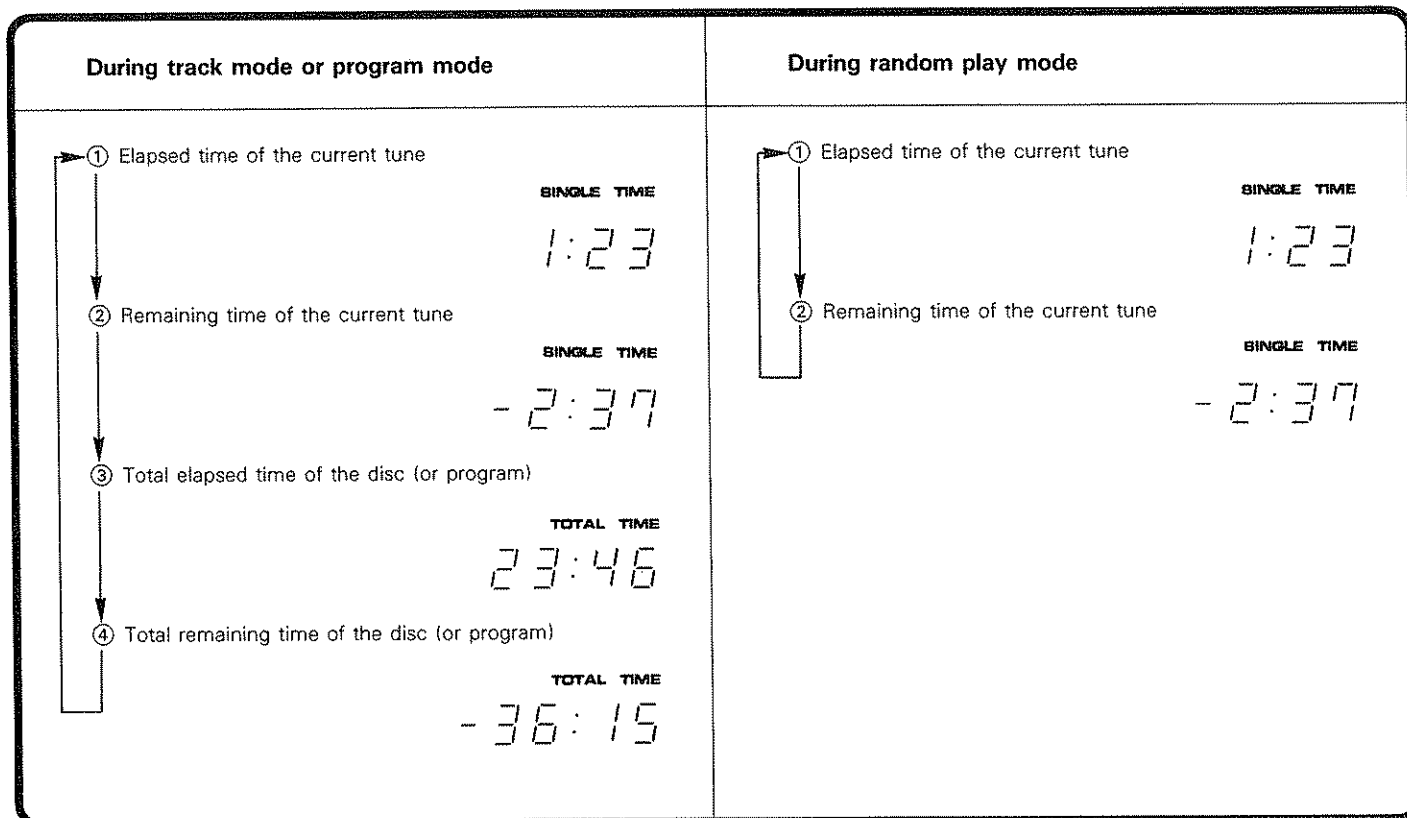
Random play will be canceled when one of the following operations is carried out.

- ① When the RANDOM key is pressed again.
- ② When the STOP key is pressed.
- ③ When the OPEN/CLOSE key is pressed.
- ④ When a numeric key is pressed.
- ⑤ When a PLAY MODE key is pressed.
- ⑥ When the CLEAR key is pressed during random play operation in program mode.

Time display switching and timer play

■ To change the time display

While a disc is being played in any of the play modes, or when the player is in stop mode, you can change the time display contents by pressing the **TIME DISPLAY** key on the remote control unit. The contents of the time display change each time the **TIME DISPLAY** key is pressed, according to the following cycle.



Note:

With this unit, the time information recorded on the disc for a maximum of 30 tunes can be stored in memory. When playing discs which contain more than 31 tunes, or when the total playing time of a program is 100 minutes or longer, the time may not be shown on the time display. In this case the display will show ----.

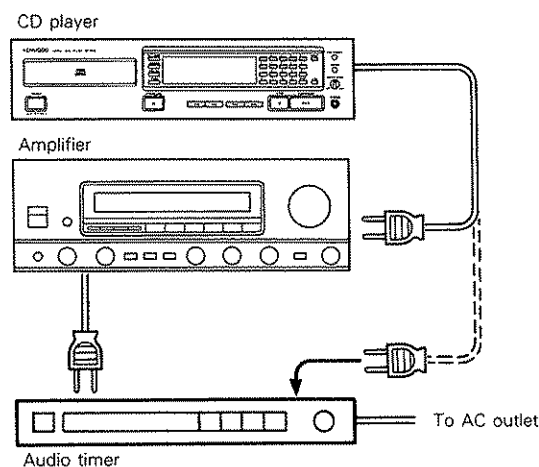
■ To carry out timer play

1 Connect the CD player to a wall outlet through an audio timer.

2 Place a disc on the disc tray.

3 Set the timer to the desired time.

- Leave the **POWER** switch of the CD player ON.
- When the time set on the timer arrives, the power to the player is turned on and disc play begins automatically.
- With a filled disc, the filled contents are played.

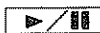


Notes:

1. Refer to the instruction manual provided with the audio timer before making connections and settings.
2. When using an audio timer to automatically begin disc play, be careful that the volume on the amplifier is set to an appropriate level.
3. When using an audio timer to operate a component other than the CD player, be sure to remove the disc from the player's disc tray.

In case of difficulty

If your player should not perform as expected, consult the table below to see if the problem can be corrected before seeking help from your dealer or service representative.

Symptom	Cause	Remedy
No power is supplied to the player when the POWER switch is ON.	- The power cord plug is not plugged in completely. - The power cord plug is connected to a switched outlet on the amplifier and the power to the amplifier is not turned on.	- Insert the power cord plug firmly into the outlet. - Turn on the power to the amplifier.
A disc is loaded but cannot be played. The DISC OUT indicator remains lit and nothing happens when the PLAY/PAUSE key  is pressed.	- The disc is loaded upside down. - The disc is very dirty. - The disc is scratched or damaged. - The optical lens is fogged with condensation.	- Load the disc again, making sure that the label side is up. - Clean the disc according to the instructions in the "Disc handling precautions" section. - Replace the disc with a new one. - Leave the unit for about 1 hour with the power ON so that the condensation evaporates.
No sound is produced.	- No disc is loaded. - The unit is not in play mode. (The play indicator (▶) is not lit.) - The disc is very dirty. - The disc is scratched or damaged. - The connection cords are not securely connected. - The player is connected to the amplifier via the VARIABLE jacks and the OUTPUT LEVEL control is set to "MIN".	- Load a disc and press the PLAY/PAUSE key . - Press the PLAY/PAUSE key . - Clean the disc according to the instructions in the "Disc handling precautions" section. - Replace the disc with a new one. - Securely connect the connection cords. - Adjust the output level using the OUTPUT LEVEL keys on the remote control unit or the OUTPUT LEVEL control on the player.
The sound skips or is interrupted.	- The disc is very dirty. - The disc is scratched or damaged. - The player is subjected to vibrations.	- Clean the disc according to the instructions in the "Disc handling precautions" section. - Replace the disc with a new one. - Install the unit so that it is not subjected to vibrations by moving the player to a different location, etc.
Play begins as soon as the power is turned on.	This unit is designed so that play begins automatically when the power is turned on if a disc is already loaded.	If automatic play is not required, remove the disc from the player before turning the power OFF.

Notes:

- Since this unit incorporates a microprocessor, external noise or interference may cause the unit to operate abnormally. If this should ever occur, press the POWER switch OFF and then press it ON again after a period of several seconds.
- Contact restoring agents may cause malfunction and therefore should not be used. Contact restoring agents which contain oil should especially be avoided, as they can cause deformation of plastic parts.

Specifications

[Format]

System Compact disc digital audio system
Laser Semiconductor laser
Number of channels 2 channels
Playing rotation 200 rpm ~ 500 rpm (CLV)

[D/A Convertors]

D/A conversion 1 Bit
Oversampling 8 fs (352.8 kHz)

[Audio]

Frequency response 2 Hz ~ 20,000 Hz
Signal to noise ratio More than 110 dB
Dynamic range More than 97 dB
Total harmonic distortion Less than 0.0025%
(at 1 kHz)

Channel separation More than 103 dB (at 1 kHz)
Wow & flutter Unmeasurable Limit
Output level/impedance

Fixed 2 V/1 k Ω
Variable 0 ~ 2 V/2 k Ω

Digital output

Optical -15 dBm ~ -21 dBm
(Wave length 660 nm)

Headphone output 20 mW (16 Ω)

[General]

Power consumption 14 W

Dimensions W: 440 mm (17-5/16")
H: 118 mm (4-5/8")
D: 314 mm (12-3/8")

Weight (Net) 4.2 kg (9.2 lb)

Note:

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

For the U.S.A.

FCC WARNING:

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

NOTE:

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

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

For CANADA

DOC REGULATION

"This digital apparatus does not exceed the CLASS B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian department of communications."

Note:

The unit's power supply is secondarily connected. Note following.
The unit is not completely disconnected from the mains as long as the power cord is connected to a wall outlet.

Observera:

Apparatens strömförsörjning kopplas från sekundärt. V.g. ge akt på följande.
Apparaten fränkopplas inte helt och hållet från strömnätet medan apparatens nätsladd är ansluten till växelströmsuttaget.

Huom:

Virta yksikköön on kytketty pois sekundaaripuolelta. Huomioi seuraava.
Tämä yksikkö ei ole kokonaan kypketty pois pää virranjakajasta kun pää katkaisin on liitettynä virtatiiriin.

Bemærk:

Strømmen til apparatet afbrydes på den sekundære side. Vær opmærksom på følgende.

Denne enhed er ikke fullstendig koblet fra lysnettet så lenge stikket er tilsluttet stikkontakten.

Anmerking:

Strømmen til apparatet er slått av på sekundærsiden. Vær oppmerksom på det følgende.

Dette apparatet koples ikke fullstendig fra nettet så lenge støpselet står i en stikkontakt, selv om strømbryteren settes i av-stilling.