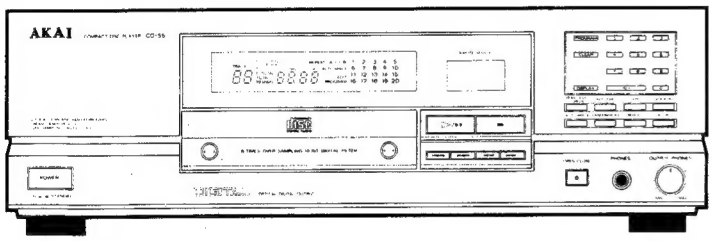
AKAI

CD-55 COMPACT DISC PLAYER

OPERATOR'S MANUAL (5)



COMPACT disc DIGITAL AUDIO

To ensure optimum performance and listening enjoyment, please read this
operator's manual thoroughly.

* Compact discs shown in the illustrations are not standard accessories.

English . . . . . Page 1-24

Akai—Creative At Heart

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Precautions and table of contents

WARNING

To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

1-En

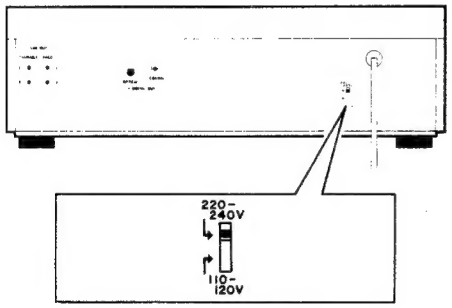
Power requirements

Power requirements for electrical equipment differ from area to area. Please ensure that your machine meets the power requirements in your area.
If in doubt, consult a qualified electrician.

220V, 50Hz for Europe except UK
240V, 50Hz for UK and Australia
110V-120V/220V-240V, 50/60Hz convertible for other countries

Voltage conversion (Not on all models)

Models for Europe, UK and Australia are not equipped with this facility. Each unit is preset at the factory according to its destination, but some units can be adjusted to 110V-120V or 220V-240V as required.
If your unit's voltage can be converted:
Before connecting the power cord, move the VOLTAGE SELECTOR located on the rear panel with a screwdriver until the correct voltage is indicated.



2-En

This equipment conforms to No. 82/499/EEC standard.

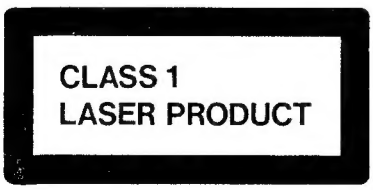
3-En

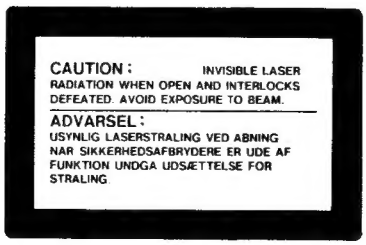
About the POWER switch

This CD (Compact Disc) player is not equipped with a primary power switch. Even when the CD player's POWER button is set to STANDBY ▬, the power supply to this CD player is not completely turned off. If you wish to completely turn the power off, disconnect the power cord from the household AC outlet.

4-En

CLASS 1 LASER PRODUCT





This product contains a low power laser device.
To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.
Refer any servicing to qualified personnel.

23-En

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What you should know to protect yourself

- Never touch the plug with wet hands.
- Always pull out by the plug and never the cord.
- Only let a qualified professional repair or reassemble the CD (Compact Disc) player. An inexperienced person might touch the internal parts and receive a serious electric shock.
- Never put anything, especially metal, into the CD player.

Protect the CD player too

- Use only a household AC power source. Never use a DC power source.
- If water is spilled on the CD player, disconnect it and call your dealer.
- Make sure that the CD player is well ventilated and away from direct sunlight.
- To avoid damage to the internal circuits and the external surface, keep it away from heat (stoves, etc.).
- Avoid using spray type insecticide near the CD player. It can damage the finish and might ignite suddenly.
- To avoid damaging the finish, never use paint thinner or other similar chemicals to clean the CD player.
- Place the CD player on a flat and solid surface.
- If you don't plan to use the CD player for a long period of time, disconnect the power cord.

Condensation

Condensation inside the CD player is an important point to be considered. If the ambient temperature of the CD player's environment increases sharply within a short time, such as when a cold room is heated up, or when the player is transported from a cold location to a warm one, tiny droplets of water will condense on the laser pick-up's lens section, preventing correct playback. **If excess condensation forms on the compact disc or inside the CD player, operation of the CD player will not resume until the condensation has had ample time to dissipate.** Wait 30 minutes to one hour for the CD player to operate normally.

Interference

If there is interference during FM, AM broadcasts or TV reception, turn OFF the POWER button of the CD player if you are not using it.

DIGITAL OPTICAL OUTPUT terminal and cap

Only remove the terminal cap when making connections to this terminal. Keep the inside of the OPTICAL terminal clean.

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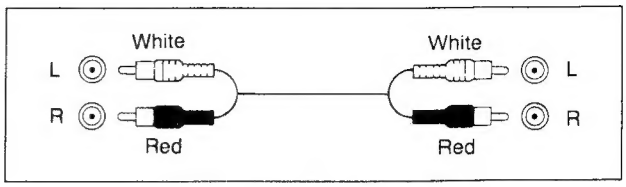
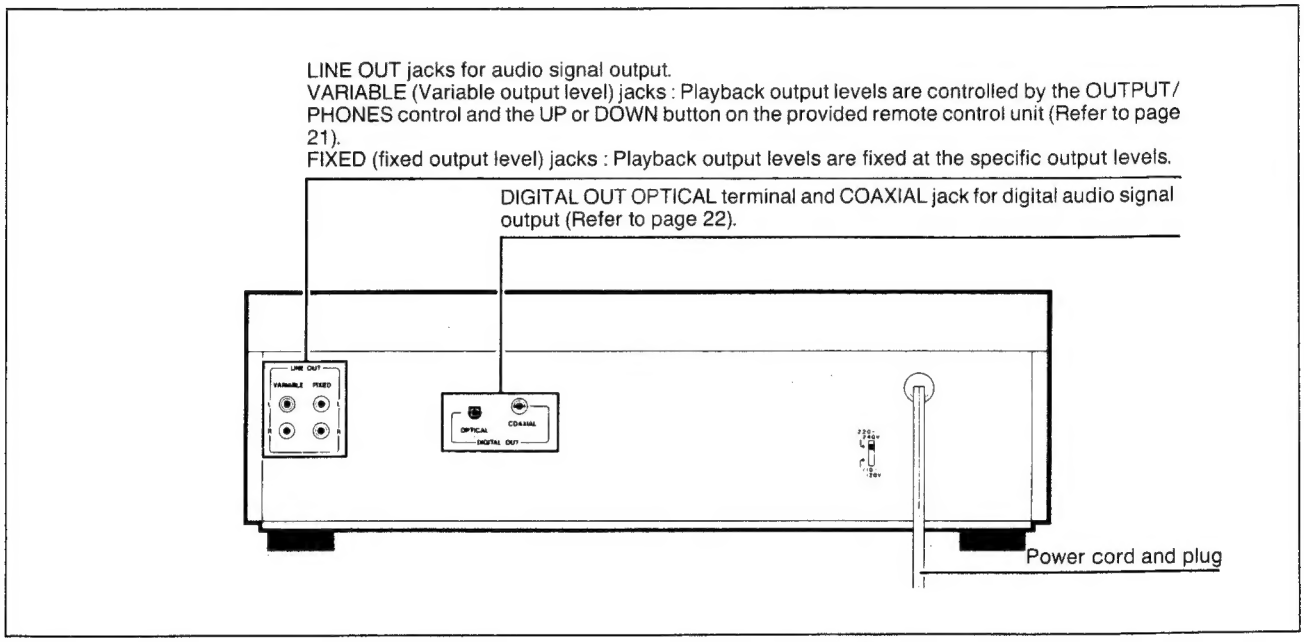
Connections

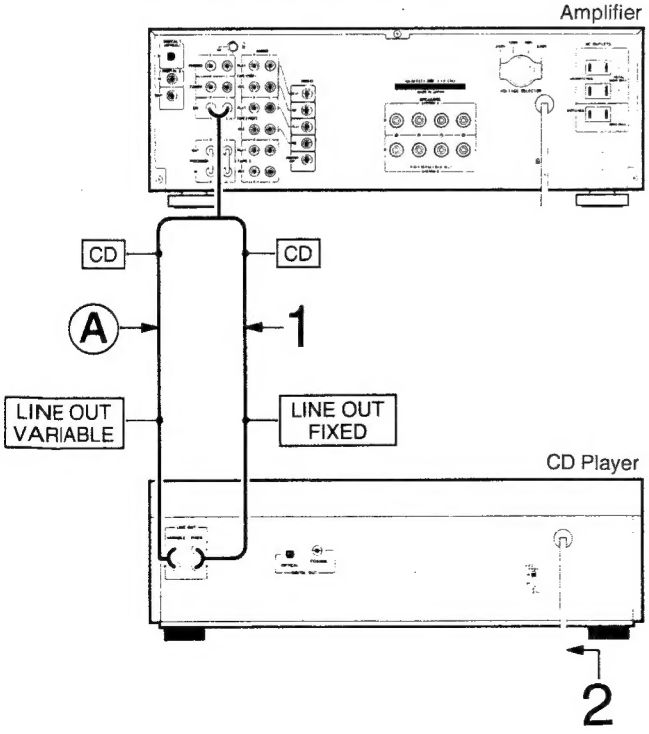
Before beginning

- Turn off all the components before making connections.
- Make sure that you connect the white PIN-plugs to the left (L-white) jacks and the red PIN-plugs to the right (R-red) jacks.
- Connect everything securely. Loose connections can lead to malfunction.
- To prevent damage to cords, connect and disconnect by holding the plug, not the cord.
- Do not remove the terminal cap of the OPTICAL terminal when making the following connection.





Connections and placement



Connections

1 Connect the white and red PIN-jacks of the CD player to the L(left) and R(right) CD jacks of your stereo amplifier with the provided connection cord.

2 **After all connections have been made**
Connect the CD player's power cord to the AC OUTLET of the stereo amplifier, optional audio timer or directly to your household AC outlet.

Note

- If you wish to use the output level adjustment function of the CD player, use the VARIABLE jacks for connection (Connection-A).
- If your amplifier does not have CD jacks, use the AUX jacks for CD player connection. Do not connect the CD player to the PHONO jacks of your amplifier.
- Using both the VARIABLE and FIXED jacks for connection is not recommended as this will result in poor sound reproduction. Use 1 set of jacks at a time for connection.

Important!
The illustrated power plugs and cords are intended for general reference. The power plug and cord used in your country may differ from the illustrations. (Example; U.K., Australia, U.S.A., Europe, etc.)

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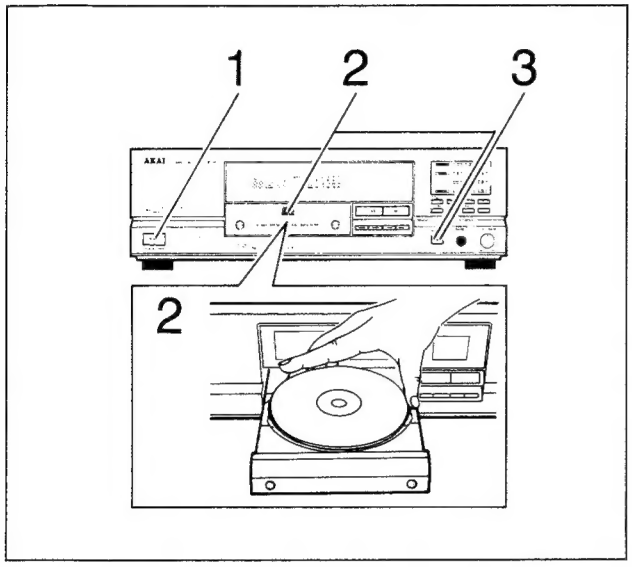
Before using your CD player

Use compact discs that are marked as follows:

COMPACT disc DIGITAL AUDIO

How to load a compact disc



1 Press the POWER button to turn the CD player ON.

2 Press the ⏏ OPEN/CLOSE button to open the disc drawer. Place the compact disc on the disc drawer, printed side up.

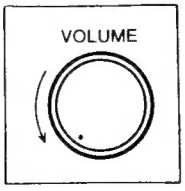
3 Press the ⏏ OPEN/CLOSE button to close the drawer.

Note

- Avoid interrupting the disc drawer when it is opening or closing, as this may damage it.
- Gently pressing the center of the disc drawer will also close the disc drawer automatically.
- Be sure to close the disc drawer when the CD player is not being used.

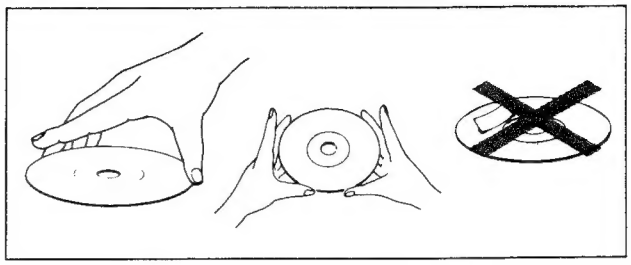
Playback volume

Thanks to the digital principle, compact discs have very low playback noise levels, thus signal peaks in the music are fully reproduced. As there is no inherent "background noise" as with coventional records or tapes, attempting to adjust the volume using this as a guide can result in a sudden high volume output which may damage the speaker system or headphones. To avoid this, do not turn up the volume control excessively before playback has begun.



A word about compact discs

Dust, dirt, scratches, or warps on the compact disc may lead to noise. In order to take full advantage of the CD player's performance capabilities, follow the precautions outlined on this page. If a compact disc is not to be played for a long time, remove it from the player and store it in its plastic case.



Removal from the disc case

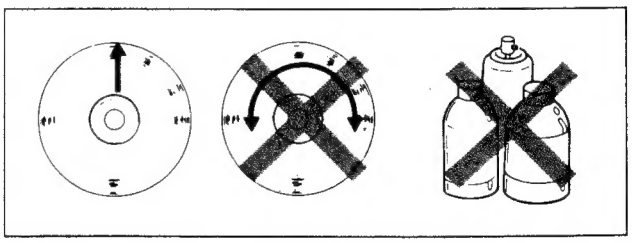
While depressing the center section with your thumb, lift the disc up by the edge.

Disc handling

Hold the compact disc by the outer edge only, supporting it at the center hole area with your index finger if necessary.
Avoid touching the unprinted side of the disc.
Do not glue any labels or stickers etc., on the disc.

Disc storage

Do not store the compact disc in a location which is subject to direct sunlight, high humidity, or hot air from heating appliances. Always replace the compact discs in their plastic cases for storage. Be careful of storing your compact discs in the interior of a car which may become very hot under certain conditions.



Disc care

Before inserting the disc for playback, remove dust, dirt or fingerprints on the recorded side by wiping it with a commercially available silicone cloth (such as that used for cleaning camera lenses or glasses).

Wipe the disc gently, being careful not to scratch its surface. When wiping the disc, refer to the illustrations. Unlike conventional records, CDs should always be wiped in a straight line from the center to the edge.

Do not use volatile chemical substances such as denaturated alcohol, record cleaners intended for conventional analog records, or antistatic fluids, as these may damage compact discs.

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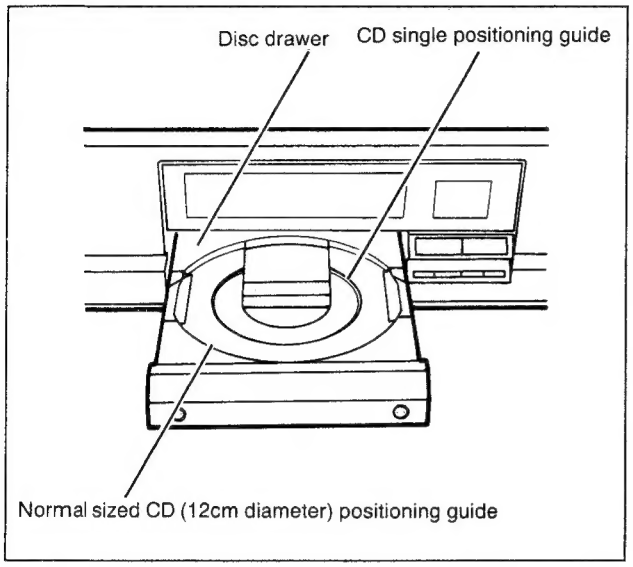
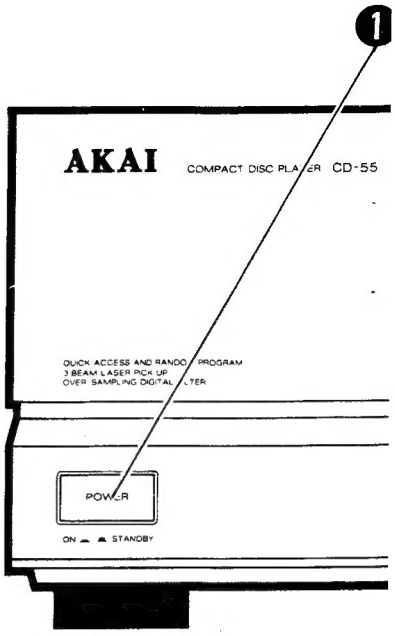
Controls (CD player)

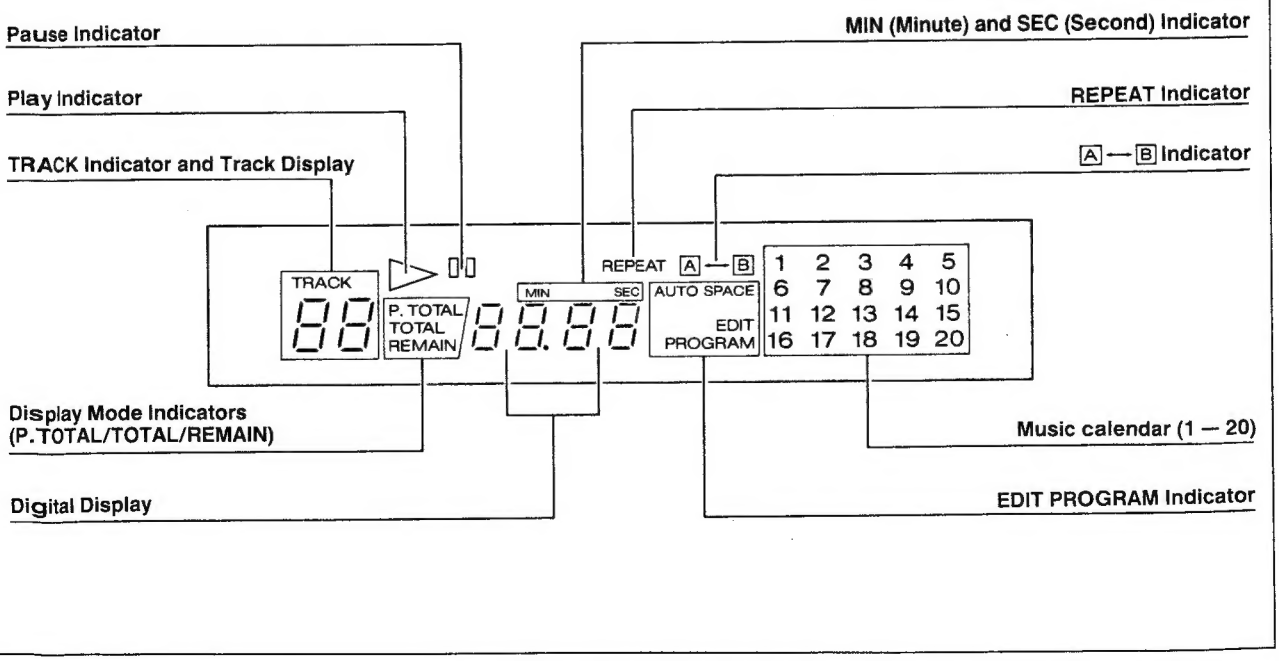
On the disc drawer

The disc drawer of this CD player is capable of holding a CD single (8cm diameter CD) for playback.
Place the CD single on the center of the disc drawer as shown in the following illustration.





FL (Fluorescent) Display



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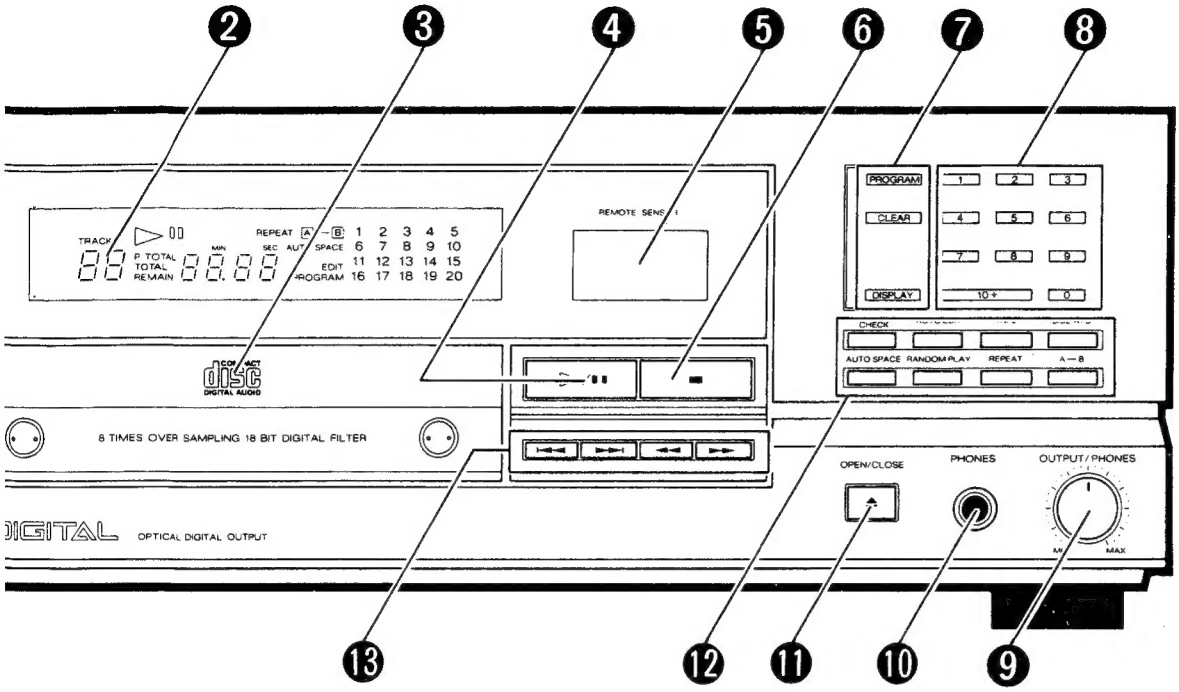

❶ POWER Button (ON ▬/STANDBY ▬)
To turn the power on and off.
Attention
The POWER button is not a primary power switch. Even when the POWER button is set to STANDBY ▬, the power supply to this CD player is not completely turned off. If you wish to completely turn the power off, disconnect the power cord from the household AC outlet.

❷ FL (Fluorescent) Display
Tells you what the CD player is doing.

❸ Disc Drawer
Load a compact disc here.

❹ ▷/II PLAY/PAUSE Button
To start and stop playback temporarily.

❺ REMOTE SENSOR Window
For reception of the remote control signal from the provided remote control unit RC-C55.
Keep away from strong light and direct sunlight as this will interfere with the remote control function.

❻ ■ Button
To stop playback.

❼ PROGRAM Button
To set the CD player to the random program mode.

CLEAR Button
To cancel all programmed tracks of the random program or the automatic edited program.

DISPLAY button
To display the total elapsed playback time or total remaining playback time on the digital display.

❽ Numeric Buttons (1 to 0, 10+)
For direct search of the track you wish to play back and for programming for random program playback.

❾ OUTPUT/PHONES Level Control
To adjust the PHONES jack output and VARIABLE OUTPUT jacks levels.

❿ PHONES Jack
For headphone listening.

⓫ ▲ OPEN/CLOSE Button
To open and close the disc drawer.

⓬ PEAK LEVEL CHECK Button
To search for the highest recorded level on the loaded CD.

AUTO EDIT Button
To set the CD player to the automatic edit program playback mode.

TAPE Button
To select the length of the cassette tapes for automatic edit program operation.

SIDE A/B Select Button
To select the programmed tracks after setting the automatic edit program mode.

A ⟷B Repeat Button
For repeat playback of a specific section of the CD.

REPEAT Button
For repeat playback of all tracks, random program playback or random playback.

RANDOM PLAY Button
To start random playback.

AUTO SPACE Button
To set the blank intervals between tracks to a specific time (approximately 4 seconds) for uniformity during random program playback.

⓭ ◀◀/▶▶ and ⏮/⏭ Buttons

◀◀/▶▶ Buttons
For manual search during playback.
⏮/⏭ Buttons
To skip tracks during playback.

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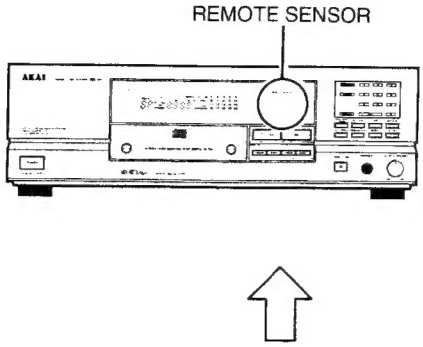
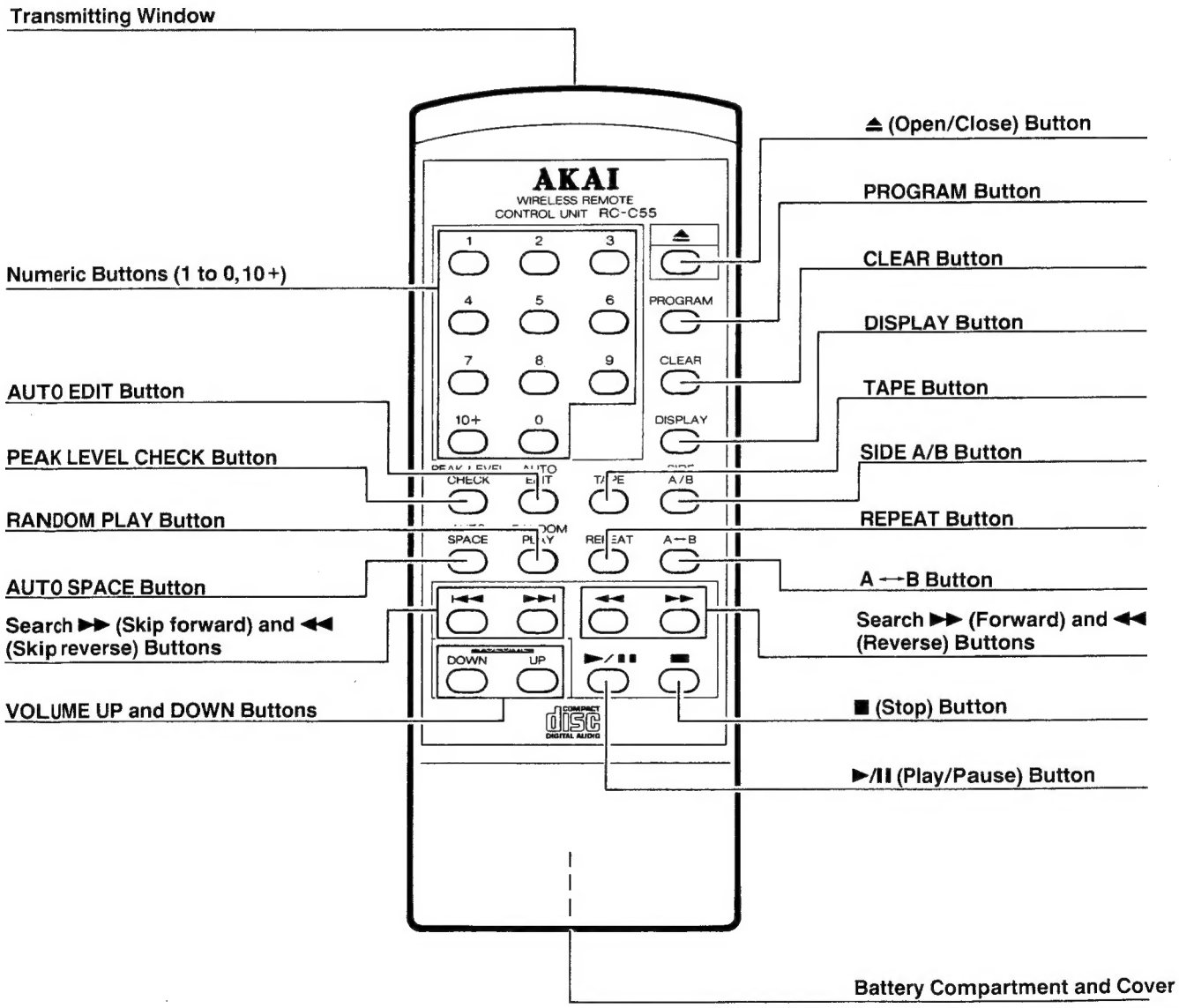
Controls (Remote control unit)

The operation buttons on the remote control unit are the same as those on the CD player and can be used to conveniently control all the CD player's functions except power on/off.





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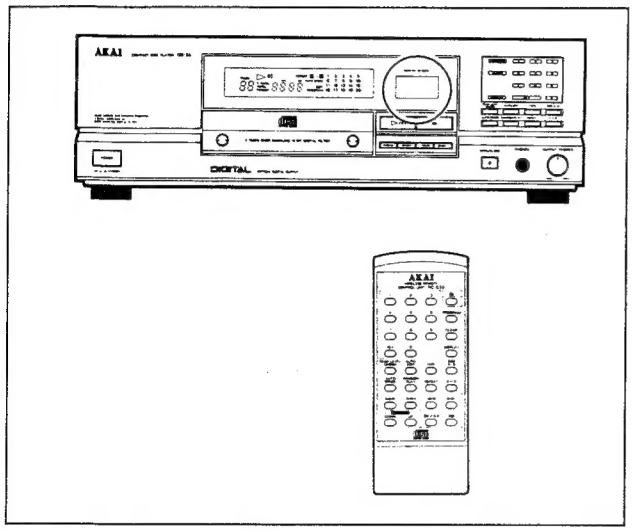
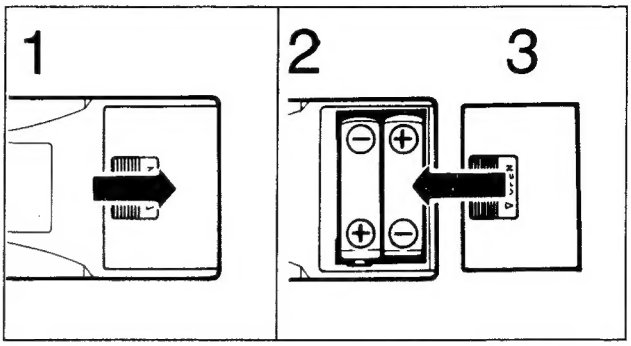
Operation

Point the remote control unit at the REMOTE SENSOR window, and press the desired operation button.

If the remote control unit will only operate from a short distance or narrow angle, this indicates that the battery voltage is low. Replace all the batteries with new ones.
When replacing the batteries, clean all the remote control and battery terminals with a dry cloth.



How to load the batteries



1 Slide the battery compartment cover in the direction of the arrow, and remove it.

2 Load the batteries according to the polarity guides on the remote control unit.

3 Replace the battery compartment cover.

Cautionary notes

On the remote control unit

- Avoid dropping the remote control unit or getting it wet.
- Avoid exposing the remote control unit to direct sunlight or strong light as this may cause malfunction.
- Do not use re-chargeable batteries.

On the dry batteries

- Insert the batteries matching their polarity guides with the markings in the remote control battery compartment.
- When you do not plan to use the remote control unit for a long period of time, remove the batteries.
- Read the cautions printed on the batteries before inserting them.
- When replacing the batteries, replace them all at the same time. Do not mix old batteries with new ones.

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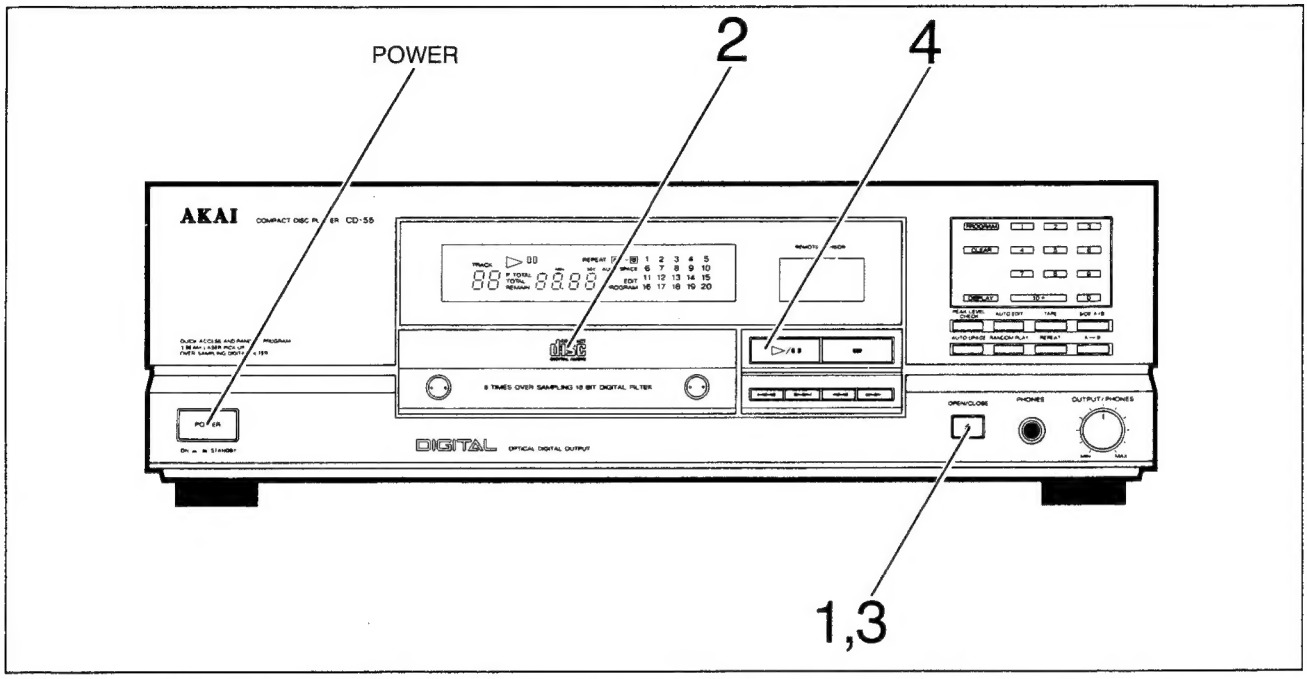
Compact disc playback

Before beginning

- Press the POWER button to turn on the power.
- **Set the amplifier's input selector to CD.**



Operation

1 Press the ⏏ button to open the disc drawer.

2 Place the compact disc on the disc drawer, printed side up.

3 Press the ⏏ button again to close the disc drawer. When the disc is loaded, the FL display will show the total number of tracks and the total playback time of the CD.

4 Press the ▷/ ❚❚ button to start playback.

5 **After playback is finished**
Turn the power off by depressing the POWER button.

To stop playback

Press the ■ button.

To stop playback temporarily

Press the ▷/ ❚❚ button once.

To resume playback
Press the ▷/ ❚❚ button once again.

To take out the compact disc

Press the ⏏ button.
* Playback will be stopped and the disc drawer will open automatically.

To start playback quickly

Place the compact disc on the disc drawer, then press the ▷/ ❚❚ button. The disc drawer will close automatically, and playback will start.

Note
Timer controlled playback functions when the power is turned on. The ▷ indicator will appear on the FL display for approximately 5 seconds. If a compact disc is loaded in the CD player when the power is turned on, the CD player will start playback automatically. (Refer to page 21)

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Music selection

Direct search playback

Starting playback from a specific track

Press the numeric button (remote control) of the track you wish to play back.

Example

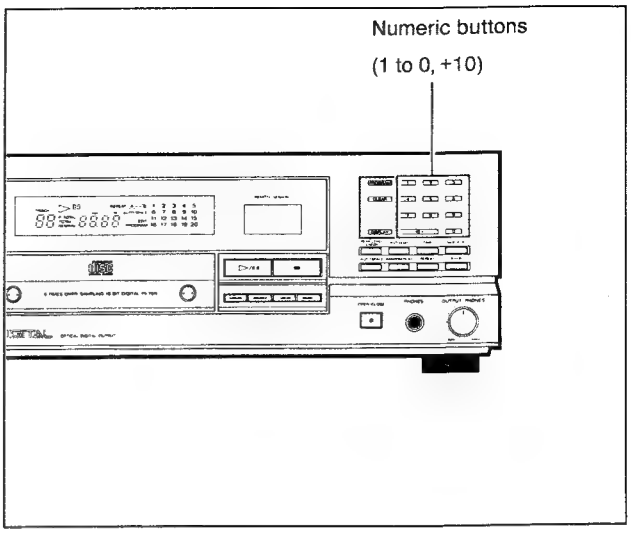
To start playback of track number 4
Press the numeric button 4.

To start playback of track number 12
Press the numeric buttons 10 + and 2.

Playback of a track number above 20
Example

To play back track number 25
Press the 10+ button twice, then press the 5 button.

To play back track number 30
Press the 10 + button three times, then press the 0 (zero) button.



Note

- If a numeric button is pressed when the disc drawer is open, the disc drawer will automatically close and playback of the selected track will begin.
- If a numeric button higher than the highest track number on your compact disc is pressed, the CD player will start playback from the beginning of the last track on the compact disc.
- Press the CLEAR button if the PROG indicator is on the FL display. The direct search operation will not function during random program playback.

Search operations during playback

1 Skip search

To skip back to the beginning of the track currently playing
Press the ⏮ button once.
If you wish to continue skip search and return to the beginning of other tracks located before the track you are listening to, continue pressing the ⏮ button.

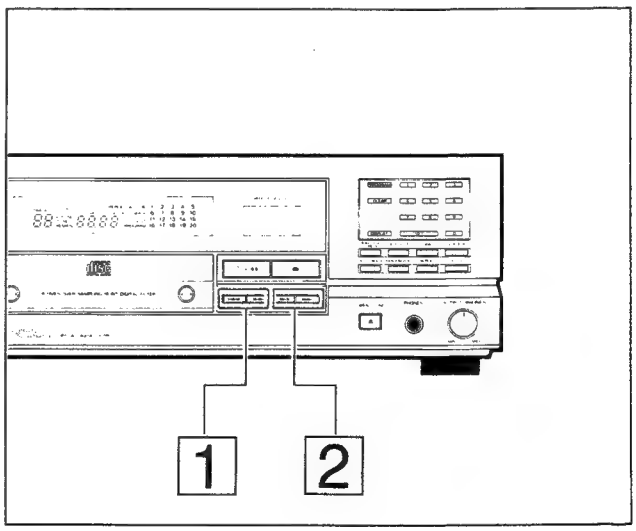
To skip ahead to the beginning of the next track
Press the ⏭ button once.
If you wish to continue skip search, and continue on to the beginning of other tracks located in front of the track you are listening to, continue pressing the ⏭ button.

2 Manual search

To search for a point before the current playback point
Keep the ◀◀ button depressed until you come to the place you wish to listen to.

To search for a point ahead of the current playback point
Keep the ▶▶ button depressed until you come to the place you wish to resume playback.

During manual search, the playback volume will be reduced. If the ▷ / ❚❚ button is pressed before starting the manual search operation, the sound will be cut completely and the search speed will be increased by approximately 2 times the normal speed. To re-start playback, press the ▷ / ❚❚ button once again.



Note
The manual search operation can be used in the playback and pause mode, but cannot be used during the stop mode.

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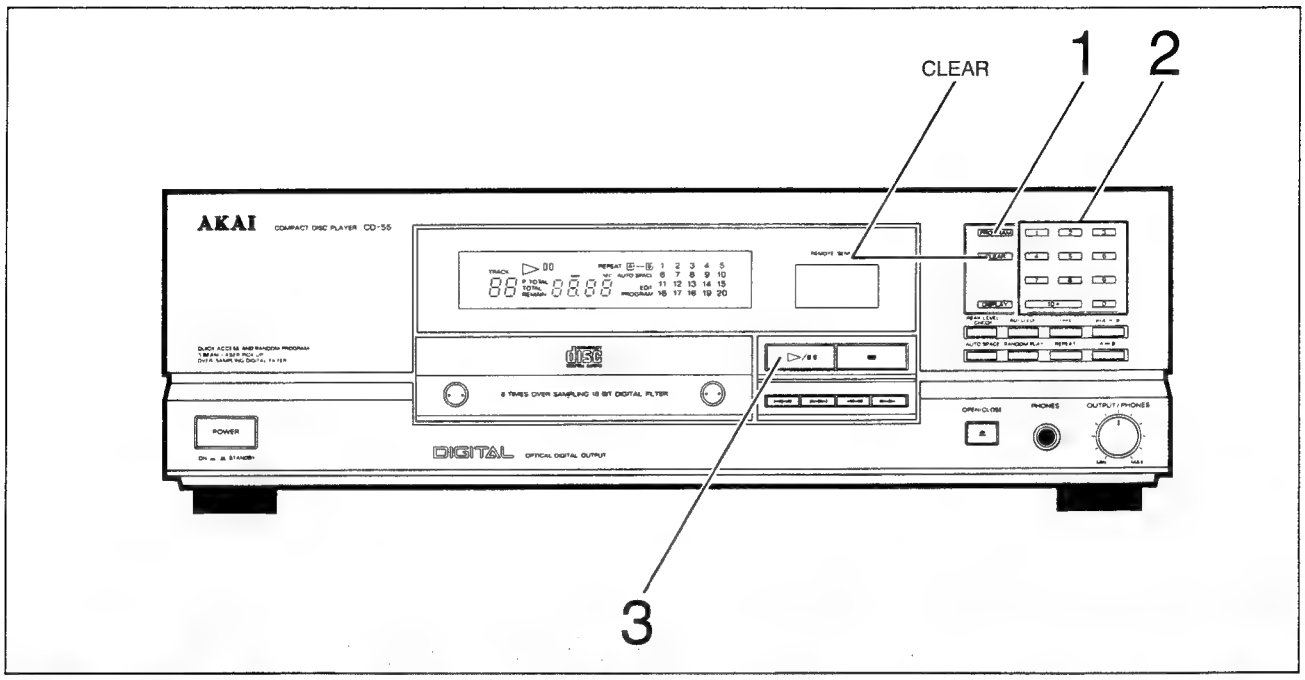
Random program playback

Use the random program playback system to play back up to 32 tracks in the order that you like.

Before beginning

- Load the compact disc you wish to listen to.
- Stop the CD player by pressing the ■ button.



Operation

1 Press the PROGRAM button. The PROG indicator will appear on the display.

2 Press the numeric button of the track you wish to playback.
The programmed playback time will appear on the digital display.

Repeat the above procedures 1 and 2 to program up to 32 tracks. The total programmed playback time will appear on the digital display as you program tracks.

3 Press the ▷ / ❚❚ button to start random program playback.

After playback of all programmed selections has finished
The CD player will stop automatically and the total number of programmed tracks will be shown on the FL display.

To re-start random program playback

Press the ▷ / ❚❚ button.

To cancel all of the memorized program

Press the remote control's CLEAR button. The PROG indicator will disappear.
When the CLEAR button is pressed during random program playback, the CD player will go into the normal playback mode.

Random program playback repeat

Before starting playback, press the REPEAT button (Refer to page 15).
Start random program repeat playback by pressing the ▷ / ❚❚ button.

Note

- When the CD player is turned off, or if the ⏏ button is pressed, all the programmed tracks will be cancelled automatically.

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Sample programming for random program playback

Example random program of 6 selections from a compact disc containing 15 tracks. Programming is for playback of the following tracks in the order shown:

3 → 4 → 9 → 11 → 5 → 14

How to program

Press the PROGRAM button and numeric buttons on the remote control unit as follows:

1 Press the PROGRAM button.

2 Press the 3 button for track number 3.

3 Press the 4 button for track number 4.

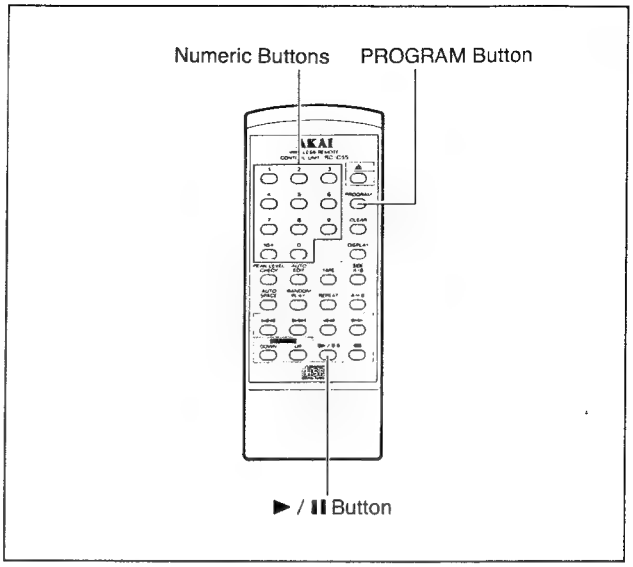
4 Press the 9 button for track number 9.

5 Press the 10+, and 1 buttons for track number 11.

6 Press the 5 button for track number 5.

7 Press the 10 + and 4 buttons for track number 14.

8 **To start random program playback**
Press the ▶ / ❚❚ button.



Programming a track number that is over 20
Press the 10 + button repeatedly, then press one of the 1 to 0 numeric buttons to complete the track number (Refer to page 11).

Search operation during random program playback

(Refer to page 11)

Skip search

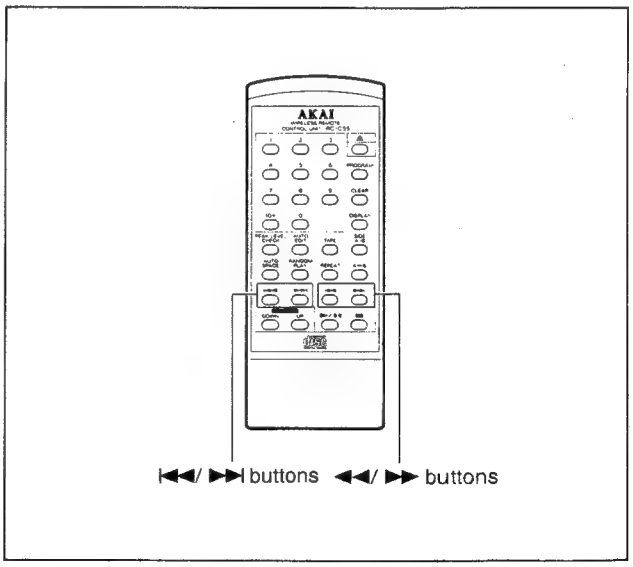
Use the ▶▶| or |◀◀ button.
To skip tracks in the forward direction ..... Press the ▶▶| button.
To skip tracks in the reverse direction ..... Press the |◀◀ button.

Search

Use the ▶▶ or ◀◀ button.
To search in the forward direction ..... Press the ▶▶ button.
To search in the reverse direction ..... Press the ◀◀ button.

Note

- When the |◀◀ or ▶▶| buttons are used during random program playback they are only effective for tracks that have been programmed.
- When the |◀◀ button is pressed, the CD player will start playback from the beginning of the programmed track.
- The direct search operation cannot be used during random program playback.



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About the FL display

The CD player's operation mode as well as information about the loaded compact disc such as its total playback time and the number of tracks it contains will all be displayed on the FL display's digital display and music calendar. The music calendar can hold up to 20 tracks.

When the compact disc is loaded
The music calendar will show the total number of tracks of the loaded compact disc and the digital display will show its total playback time.

During playback
The digital display will show the compact disc's total remaining time. After playback of each track is finished, that track's indicator will disappear from the music calendar display.

When playback is finished
The music calendar will once again show the compact disc's total number of tracks and the digital display will indicate its total playback time.

Elapsed playback time
During playback the elapsed playback time of the current playback track can be displayed on the digital display.

Press the DISPLAY button.
The elapsed playback time will be replaced by the total elapsed time on the digital display. This is the total elapsed playback time of the track currently being played back. The TOTAL indicator will appear on the display.

Press the DISPLAY button once again.
The total elapsed time display will be replaced by the total remaining time display. This is the remaining playback time of the track currently being played back. The TOTAL and REMAIN indicators will appear on the display.

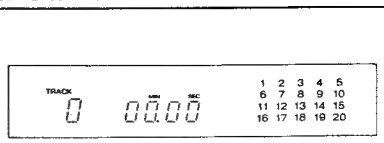
Press the DISPLAY button once again
The digital display will again show the elapsed playback time of the track currently being played back. The TOTAL and REMAIN indicators will go off.

Total programmed playback time
During programming, the total playback time of your memorized program (up to 99 minutes and 59 seconds) can be displayed on the digital display for convenience.

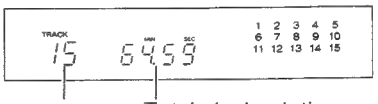
Before programming
Set the digital display to the total programmed time display mode by repeatedly pressing the DISPLAY button until the P.TOTAL indicator appears. The total programmed time will be shown on the display as you program tracks.

Note
- If the total programmed time is over 100 minutes, the minutes and seconds display will read --:--.
- If the total programmed time is over 100 minutes, the total programmed time and remaining programmed time cannot be displayed on the digital display.

When power is turned on



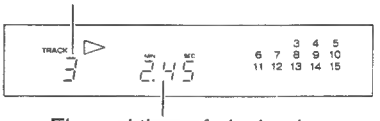
When compact disc is loaded



Total number of tracks Total playback time

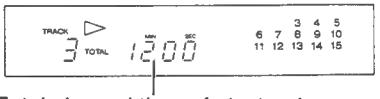
During playback

Number of track being played back



Elapsed time of playback

Total elapsed time of playback

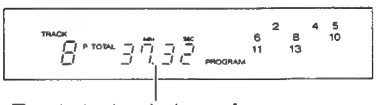


Total elapsed time of playback

Total remaining time

Total remaining playback time

Total programmed playback time



Total playback time of program

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Repeat playback

Infinite repeat playback

With the repeat playback feature you can repeat random program playback, random playback or playback of all the compact disc's tracks an infinite number of times.

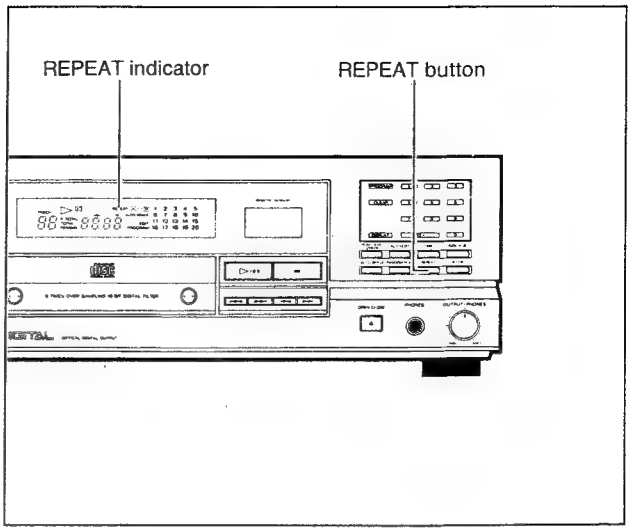
Press the REPEAT button on the remote control unit.
The REPEAT indicator will appear on the FL display.

When playback is started with the ▷/❚❚ button, playback of the compact disc will repeat an infinite number of times until the ■ button is pressed.

To stop repeat playback
Press the ■ button. The CD player will stop but the repeat function will not be cancelled.

To cancel repeat playback
Press the REPEAT button. The REPEAT function will be cancelled and the REPEAT indicator will disappear.

The CD player will go into the normal playback mode and playback of the compact disc will continue until the last track.



Note

- Random playback can not be performed while the CD player is in the random program playback mode. Press the CLEAR button if the PROG indicator is on the FL display.
- The search operation can be performed during random playback by pressing the ▶▶ button. The ◀◀ button can not be used during random playback.

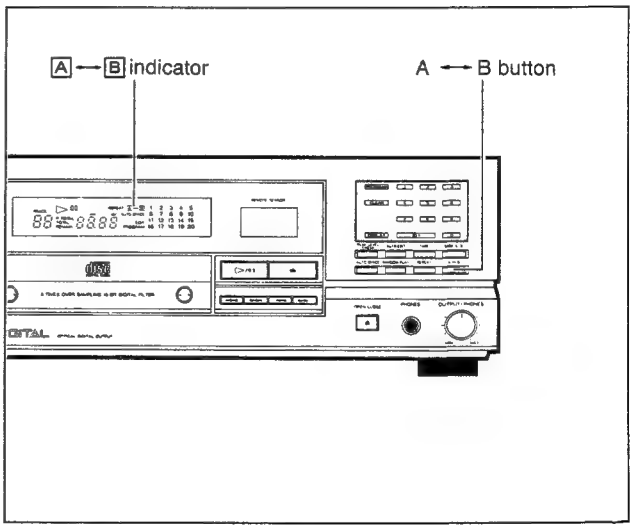
A ↔ B repeat playback

(2-point repeat playback)
With the A ↔ B repeat playback feature you can program the CD player for repeated playback of any section of the CD that you like.

1 Play back the compact disc.

2 **To memorize the repeat playback start point:**
Press the A ↔ B button once.
The Ⓐ—Ⓑ indicator will flash on and off.

3 **To memorize the repeat playback end point:**
Press the A ↔ B button again.
The Ⓐ—Ⓑ indicator will stop flashing. The CD player will start A ↔ B repeat playback and continue an infinite number of times.



To stop and cancel A↔B repeat playback

Press the ■ button.
The CD player will stop playback. The Ⓐ—Ⓑ indicator will disappear.

To cancel the A ↔ B repeat playback without stopping playback

Press the A ↔ B button. The Ⓐ—Ⓑ indicator will disappear and playback will continue.

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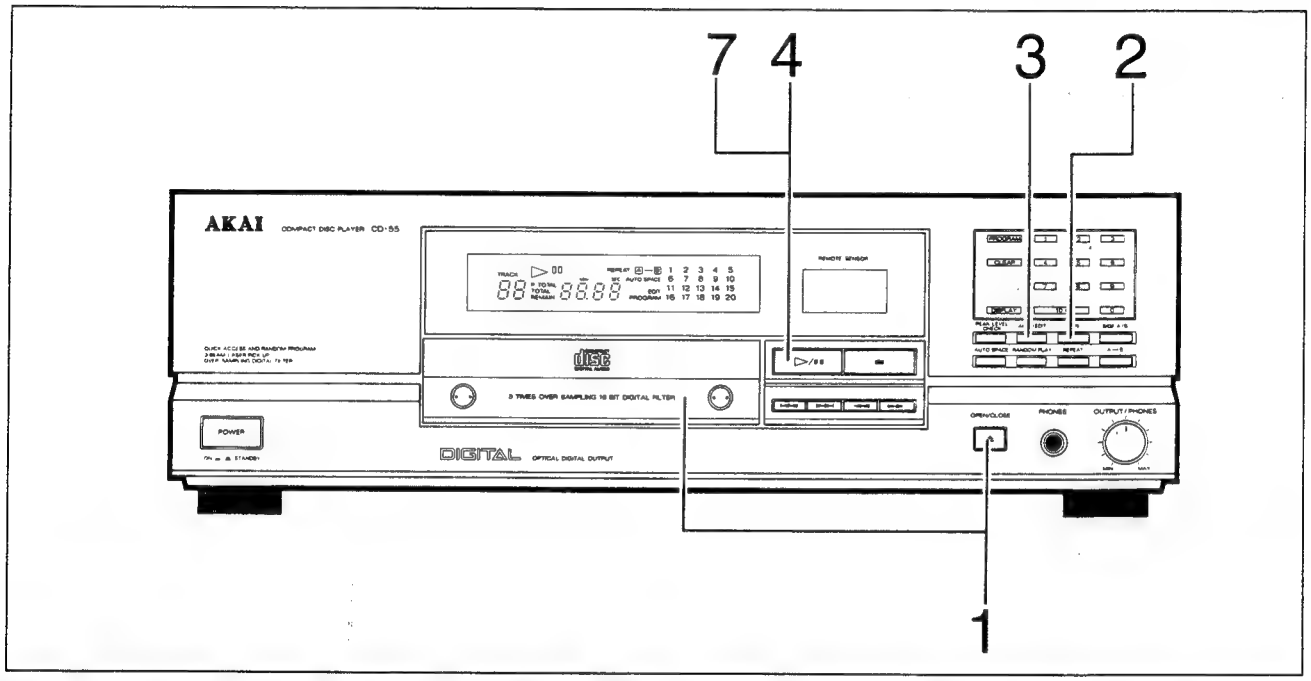
Convenient playback features

1 Auto edit: Automatic edit program playback

The auto edit system can be used for convenience when recording a CD on a cassette tape. Using the cassette tape's recording time information, the system edits the tracks on your CD into programs that will fit within the recording length of each side of the cassette tape you are using.

Before beginning

- Check the cassette tape's recording time (C-30, C-46, C-60, C-90, etc.)
- Press the ■ button before starting automatic edit programming.
- Set your amplifier to the CD recording mode.
- Press the CLEAR button if the PROGRAM indicator appears on the FL display.
- If the REPEAT indicator on the FL display, press the REPEAT button to turn off it.



Operation

1 Load the compact disc you wish to record.

2 Repeatedly press the TAPE button until the length of the cassette tape you are using appears on the digital display. The various tape lengths (C-30, C-46 etc.) will appear alternately on the digital display as the TAPE button is pressed.

3 Press the AUTO EDIT button.
The Ⓐ indicator and all tracks programmed for the first half of the auto edit program will appear on the music calendar. The digital display will show the remaining recording time of the cassette tape being used.

4 **To start automatic edit program playback**
Press the ▷/❚❚ button after setting the cassette deck into the recording mode.

5 **When the 1st half of the program has been played back**
The CD player will go into the pause mode and the ❚❚ indicator will appear on the FL display.
All tracks programmed for the second half of the auto edit program will automatically appear on the FL display. The Ⓑ indicator and programmed tracks will appear on the music calendar and the digital display will show the remaining recording time of the cassette tape.

7 **After setting the cassette deck to the recording mode**
Press the ▷/❚❚ button to start the 2nd half of auto edit program playback.

After all auto edit program tracks have been played back
All tracks programmed for the second half of the auto edit program will automatically appear on the FL display again. The remaining recording time of the cassette tape will also appear.

To play back the auto edit program again after replacing the same recording time cassette tape
Press the SIDE A/B button to set the CD player for playback of the 1st half of the auto edit program and repeat the above steps 4 to 7.

To cancel playback of the automatic edit program

Press the CLEAR button.
All tracks contained on the CD and its total playback time will appear on the FL display.
The EDIT and PROGRAM indicators will disappear.

When the CLEAR button is pressed during auto edit playback
The CD player will go into the normal playback mode.

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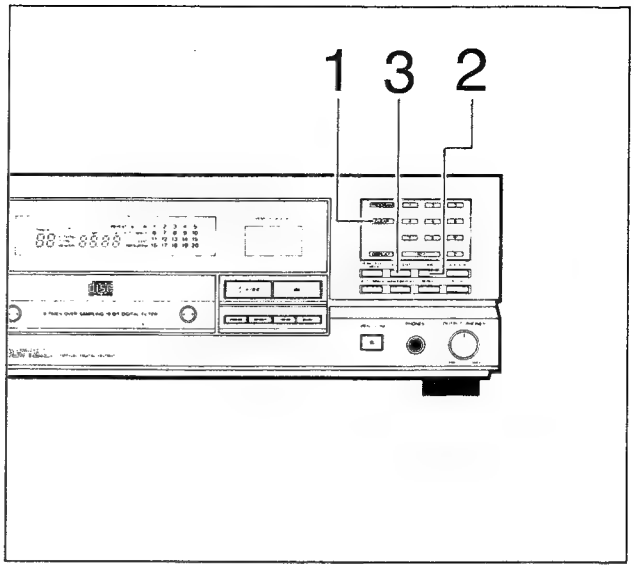
To change the tape length setting for auto edit programming

1 Press the CLEAR button to cancel the automatic edit program.

2 Repeatedly depress the TAPE button until the desired tape recording time appears on the digital display.

3 Press the AUTO EDIT button.



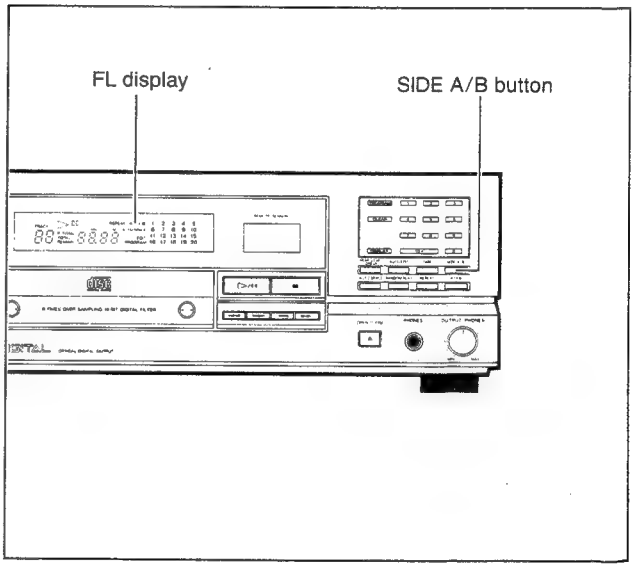
To confirm the program after the AUTO EDIT button has been pressed

1 Set the CD player to the stop mode by pressing the ■ button.

2 Press the SIDE A/B button once.
The B indicator and remaining recording time will appear on the FL display and the music calendar will show the programmed tracks.

3 Press the SIDE A/B button again.
The A indicator and remaining recording time will appear on the FL display and the music calendar will show the programmed tracks.

4 **After confirming the auto edit program**
Press the SIDE A/B button to select the program you wish to record.



Note

- After playback of each programmed track is finished, that track's indicator will disappear from the music calender display. The next track programmed for playback will then begin flashing on and off.
- Recording time will automatically be set to "C-46" when the power is turned on.
- When the CD player is turned off, or if the ⏏ button is pressed, all the programmed tracks will be cancelled automatically.
- Tape recording lengths appear on the digital display in the following order as the TAPE button is pressed.

  C-46 → C-50 → C-54 → C-60 → C-70 → C-74 → C-80 → C-90 → C-05 → C-08 → C-10 → C-16 → C-20 → C-30 → C-42 → C-46

- The auto edit system can be used to program up to 20 tracks for recording on a cassette tape. The muximum number of tracks that can be programmed for the first half of the auto edit program is 16.
- When using the AUTO SPACE function during the auto edit function, all 4 second intervals will be added to the total programmed time (refer to page 19).

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2 Peak level check

The peak level check function can be used for automatic search of the highest level on a CD in order to facilitate quick recording level adjustment. The point where the peak level is located is conveniently displayed on the FL display's total elapsed time display.

1 Load a compact disc in the CD player.

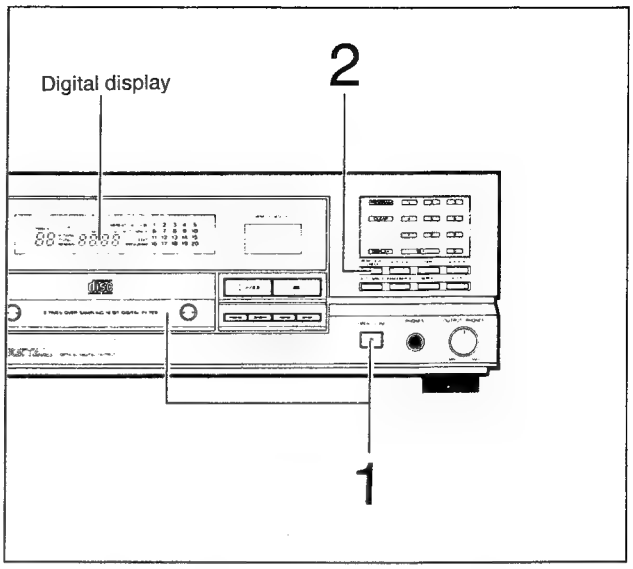
2 Press the PEAK LEVEL CHECK button.
The CD player will go into the peak level check mode. The -P and ▷ indicators will appear on the display, and the digital display will show the playback level.
After peak level check, the digital display will show the time where the peak level is located on the CD for approximately 4 seconds.

To display the CD's peak level point

Press the PEAK LEVEL CHECK button.
The digital display will show the time where the peak level is located on the CD for approximately 4 seconds.
For example, "-P", 14 minutes and 54 seconds will be displayed.

To stop peak level check operation immediately

Press the ■ button.
The CD player will go into the stop mode.



Note

- **All outputs (including digital optical and coaxial outputs) will be cut during peak level search operation.**
- When the CD player is turned off, or if the ⏏ button is pressed, the memorized peak level point will be cancelled automatically.
- The level check operation takes approximately 60 to 80 seconds (1 minute to 1 minute 20 seconds). If the loaded CD contains many tracks, a slightly longer time will be necessary.

How to use peak level information during recording level adjustment

Example:
A peak level located at the 14 minute, 54 second point of the CD.

1 Set the cassette deck to the recording standby mode.

2 Press the DISPLAY button until the TOTAL indicator appears on the FL display.

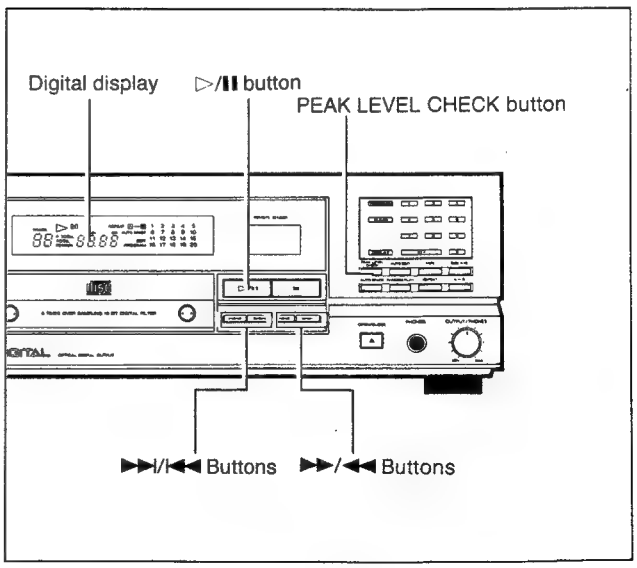
3 Press the PEAK LEVEL CHECK button to confirm the peak level point on the loaded CD.

4 Start playback and search operation by using the ▶▶|, |◀◀, ▶▶ and ◀◀ buttons go to the 14 minute, 30 second point.

5 Press the A←→B button when 14 minutes and 40 seconds appears on the display.

6 Press the A←→B button when the 15 minute, 10 seconds point is displayed. The CD player will now go into the A←→B repeat playback mode.

7 Adjust the recording level with the REC LEVEL control of the cassette deck.



8 **After adjustment is completed**
Cancel the A←→B repeat playback and re-start playback after setting the cassette deck to the recording mode.

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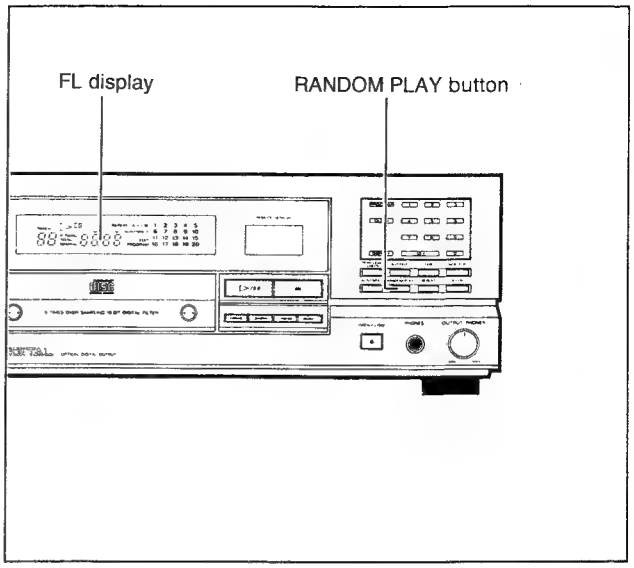
3 Random playback



Using the random playback mode, the CD player can be set to automatically re-arrange the normal playback order of the tracks on a CD. This mode is similar to the random program playback mode except that programming is not necessary. The CD player randomly rearranges the track order as playback proceeds.

To start random playback

Press the RANDOM PLAY button.
The "rnd" indicator will appear on the digital display.
When playback has started, the track number of the track being played back will disappear from the music calendar.

After all tracks have been played back
The CD player will stop.

To stop random playback
Press the ■ button.

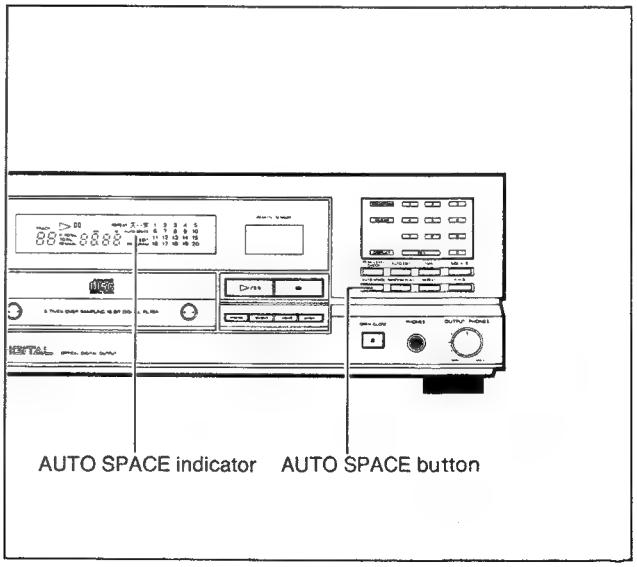
To skip to the next track after random playback has already started
Press the ▶▶| button.

- The |◀◀ button cannot be used during random playback operation.

Note

- Random playback cannot be performed while the CD player is in the random program playback or auto edit program playback modes. Press the CLEAR button if the PROGRAM and EDIT indicators are on the FL display.
- The DISPLAY button cannot be used during random playback. As tracks are randomly programmed by the CD player as random playback proceeds, the remaining playback time and elapsed playback time of the random program cannot be displayed.

4 AUTO SPACE



The auto space function allows you to set all the blank intervals between tracks to a specific amount of time (approximately 4 seconds), for uniform recording of a random program or auto edit program.

Press the AUTO SPACE button before playback of a random program or auto edit program for recording
The AUTO SPACE indicator will appear on the FL display.

To cancel the AUTO SPACE function
Press the AUTO SPACE button once again.
The AUTO SPACE indicator will disappear from the FL display.

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5 Index search

Some compact discs include index numbers which you can make use of to go to certain pre-determined points within a selection. Classical selections, for example, may contain several index numbers to note the 1st theme, 2nd theme, coda etc..

Example

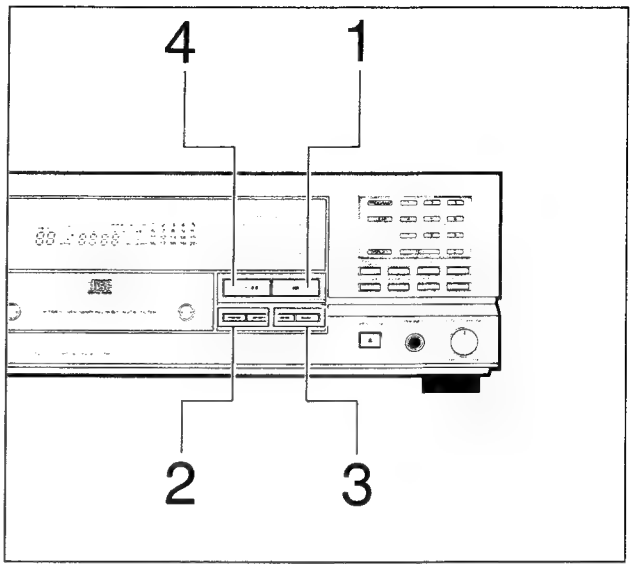
To start playback from index number 2 of track number 3

1 Press the ■ button to stop playback.

2 Repeatedly press the ▶▶| button until track number 3 appears on the FL display.

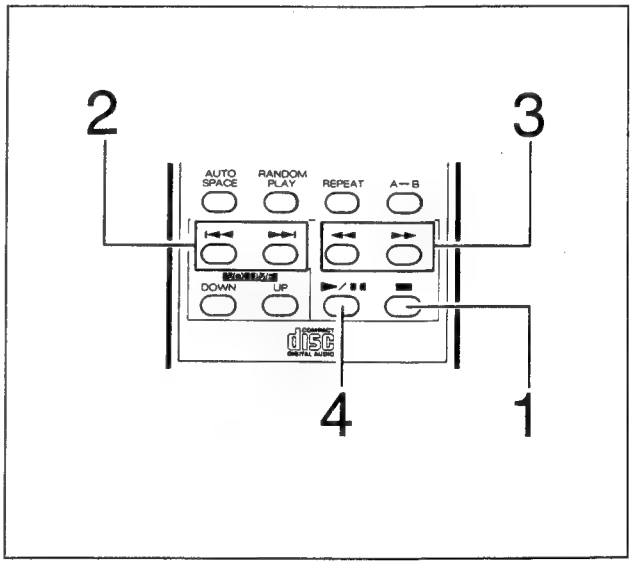
3 Repeatedly press the ◀◀ or ▶▶ button until index number 2 appears on the digital display.
To increase the index number .... Press the ▶▶ button.
To decrease the index number ... Press the ◀◀ button.

4 Press the ▷/II button to start index search playback.
Once playback has started, the index number will be replaced by the time display.



Note

- If the compact disc you are using does not contain index numbers, the CD player will start playback from the beginning of the selected track number.
- If you wish to correct the index number, press the CLEAR button, then repeat the above procedure.
- If your compact disc does not include index numbers, use the ▶▶ or ◀◀ buttons to search for specific points in a selection.
- Press the CLEAR button if the PROGRAM indicator is on the FL display. Index search playback will not function during random program playback.
- The numeric buttons cannot be used instead of the ▶▶| and |◀◀ buttons to select track numbers. If pressed, the CD player will go into direct search playback.



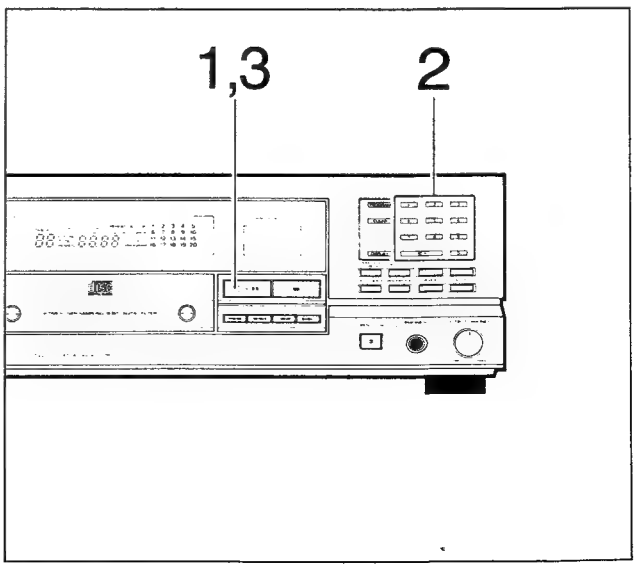
6 Playback standby and start

1 Choose the track you want with the remote control's numeric buttons.

2 Press the ▷/II button once after pressing the numeric button.
The CD player will go into the playback standby mode.

3 **To start playback**
Press the ▷/II button once again.

If the disc drawer is open, the disc drawer will automatically close when the ▷/II button is pressed.



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7 Timer controlled playback

This CD player features a timer start function. When used in combination with an optional audio timer, you can play back a compact disc at a specific programmed time.

1 After loading the compact disc you wish to play back, set the connected amplifier's input selector to its CD position.

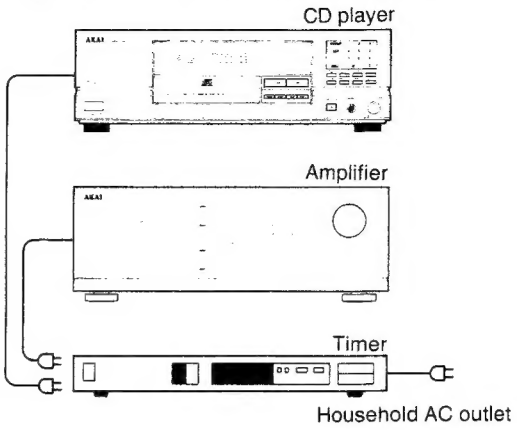
2 Leave all the power switches of the components on and set the timer to the timer operation mode. The connected components will be turned off automatically.

After timer controlled playback has finished, take out the compact disc.

Note

- Once the power is turned on with the audio timer, there will be approximately 5 seconds before the CD player starts playback.
- The timer start function will begin once the power is turned on. After this the CD player can be used as usual.
- The timer start function will only start when a compact disc is loaded. If you are not using the timer controlled function, take out the compact disc from the CD player.

Example power cord connections



Important!

The illustrated power plugs and cords are intended for general reference only. The power plug and cord used in your country may differ from the illustrations. (Example; U.K., Australia, U.S.A., Europe, etc.)

25-En

8 Headphone listening and output level adjustment

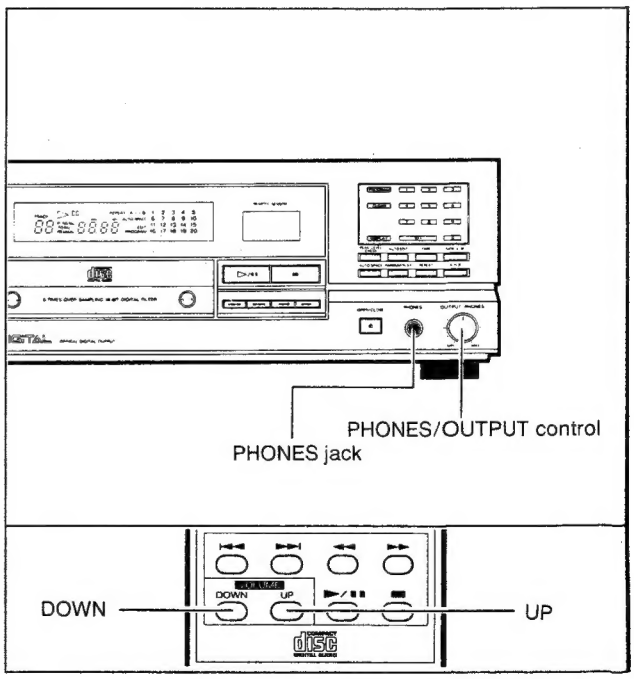
Connect a pair of headphones to the PHONES jack and adjust the playback volume with the PHONES/OUTPUT control. The provided remote control unit can be used for the output level adjustment including phones level and output level. Press the VOLUME UP or DOWN buttons of the remote control unit.

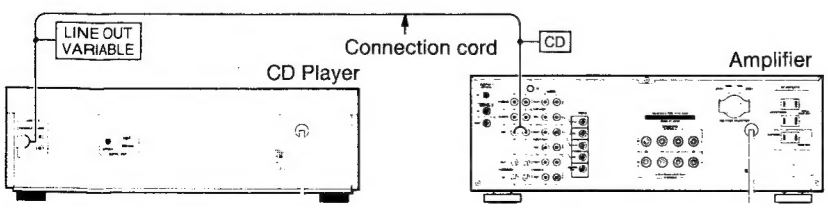
Caution

Listening at high volume levels for long periods of time may damage your hearing.

Note for level adjustment

Set the PHONES/OUTPUT control to its maximum position during recording when the VARIABLE jacks are used for connections.





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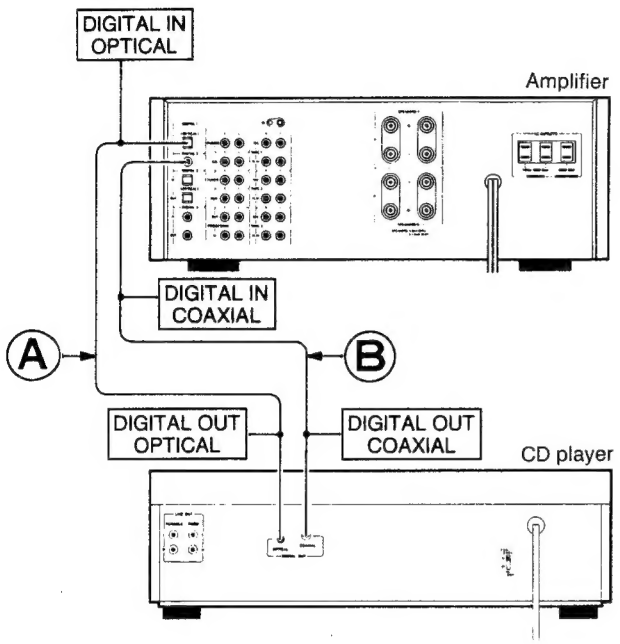
Digital connections

This CD player is equipped with a D/A (Digital to Analog) converter* (used for converting the digital PCM signal to conventional left and right channel audio signals). An OPTICAL terminal and COAXIAL jack for digital signal output are also included for digital audio signal output. These connections can be used if you wish to add a higher grade D/A converter or a digital integrated amplifier which is equipped with a D/A converter.

Before connecting

- Turn off all the components.

1 Connecting a digital integrated amplifier

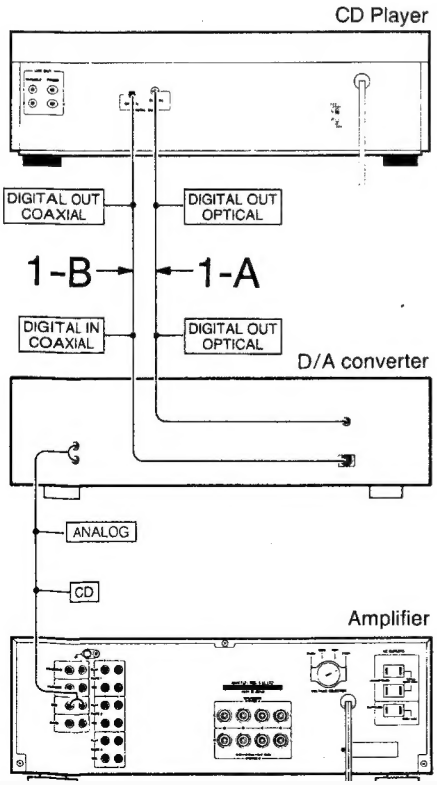


Connect the CD player and digital integrated amplifier as follows:

Connection A
Connect the OPTICAL terminal of the CD player and the DIGITAL (OPTICAL) IN terminal of your digital amplifier with the provided optical fiber cable.

Connection B
Connect the COAXIAL jack of the CD player and the DIGITAL (COAXIAL) IN jack of your digital amplifier with a digital connection cord (available in Hi-Fi stores).

2 Connecting a D/A converter and conventional amplifier



1 Connect the CD player and D/A converter as follows:

Connection A
Connect the OPTICAL terminal of the CD player and the Digital Optical Input terminal of the D/A converter with an optical fiber cable (available in Hi-Fi stores).

Connection B
Connect the COAXIAL jack of the CD player and the Digital in (Coaxial) jack of the D/A converter with a digital connection cord (available in Hi-Fi stores).

2 Connect the output jacks (left and right) of the D/A converter and the amplifier's CD or AUX jacks (left and right) with an audio connection cord (available in Hi-Fi stores).

Note

- As regular connection cords are not designed to handle the high frequencies that are part of the PCM signals, they are not recommended for digital connections.
- Video connection cords or cords designed for digital connection are recommended.
- Because the digital PCM signal is a composite signal made up of left and right channel signals, a single connection cable is used for connections.
- The Digital to Analog Converter (i.e. D/A converter or DAC) unit converts digital PCM signals such as the playback signals of a compact disc to conventional left and right audio stereo signals.
- Disconnect the analog audio connection cord from the VARIABLE or FIX LINE OUT jacks for good sound reproduction when using the digital connections.

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Troubleshooting

Problem	Check point
The CD player will not turn on. **No sound.**	• Check to see if the power cord is connected securely to the household, timer or amplifier's AC outlet. • The connected amplifier's input selector and volume control are not set properly. • Condensation. • The compact disc is not loaded properly.
The CD player goes into the playback mode when it is turned on.	• The compact disc is loaded. Take out the compact disc after timer controlled playback has finished.
Distorted playback or sound loss during playback.	• The compact disc is dirty or scratched. Clean or replace the compact disc.
Timer controlled playback will not take place.	• The compact disc is not loaded. Load the compact disc for timer controlled playback. • The POWER button of the CD player was not pressed on. Make sure to press the POWER button on before timer controlled operation.
Playback will not start.	• The compact disc is not loaded properly. Load the compact disc with its label facing up. • The ▷/❚❚ button is depressed. Press the ▷/❚❚ button once again to start playback. • Condensation: Leave the CD player's power turned on for more than 30 minutes.
Remote control operation will not function.	• The batteries are weak. Replace all the batteries. • The CD player is in direct sunlight or is too close to a strong light source. Change the CD player's position.
Direct search function will not take place.	• The PROGRAM indicator is on the FL display. Press the CLEAR button to cancel random program playback, or use the ▶▶I or I◀◀ buttons to find the track you want.
Auto edit will not function.	• The PROGRAM indicator is on the FL display. Press the CLEAR button to cancel random program playback, then press the AUTO EDIT button.
All tracks cannot be programmed during auto edit program.	• Recording time is not set properly. Select the proper recording time for the cassette being used by depressing the TAPE button.
The same tracks are recorded during automatic edit program playback.	• Repeat playback is engaged. Cancel repeat playback by depressing the REPEAT button before starting playback.

Keep the cabinet clean

- Clean the cabinet with a soft, dry cloth.
- If the cabinet is very dirty, clean it with a mild detergent.
- Never use paint thinner, etc. to clean the cabinet as this may damage the finish.

Should a problem persist, write down the model and serial number and all
pertinent data regarding warranty coverage as well as a clear description of the existing trouble. Then contact your nearest authorized Akai service station.

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Specifications

Pick-up	3 Beam laser pick-up
Sampling frequency	44.1kHz
Digital filter	18 bit, 8 times over sampling
D/A converter	16 bit linear
Error correction system	Cross Interleave Reed Solomon
Number of channels	2 channel stereo
Frequency response	4Hz to 20kHz ±0.5dB
Dynamic range	96dB
S/N	108dB
Total harmonic distortion	0.0028%
Wow & flutter	Less than measurable limits
Output level/Impedance	
Analog	2V (0dB)
Digital (Coaxial)	0.5V p-p/75ohms
Digital (Optical)	−22dBm, wave length 660nm
Headphone output level/Impedance	70mW/32ohms
Power requirements	220V, 50Hz for Europe except UK 240V, 50Hz for UK and Australia 110V-120V/220V-240V, 50Hz/60Hz convertible for other countries
Dimensions	425(W)×141(H)×343(D)mm (16.7×5.6×13.5 inches)
Weight	4.5kg (9.9lbs)

Standard accessories

Connection cord	×1
Remote control unit	×1
R6 (AA) sized dry battery	×2

* For improvement purposes, specifications and design are subject to change without notice.

Features

- 3 beam laser pick-up system.
- 18 bit accuracy, 8 times over-sampling digital filters.
- Left and right channel exclusive 16 bit DAC (Digital Analog Converter) equipped.
- 32 selection random program playback system.
- Auto edit program function for easy recording programming.
- Peak level check function.
- Random playback function.
- Direct search functions.
- Auto space function.
- Large easy to read multi-function FL display including music calendar capable of displaying up to 20 tracks.
- Remote control capability for convenient playback operation with the provided remote control unit RC-C55.
- Repeat and A ↔ B repeat playback functions.
- Digital optical terminal and coaxial output jack for digital interface connection system.
- Timer controlled playback function with an optional timer.
- Motor driven phones/output level control.
- CD single playback capability.
- Fixed and variable output jacks.
- Gold plated phones jack.

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