# KENWOOD

# CD-324M/DPF-J5020

# INSTRUCTION MANUAL

#### KENWOOD CORPORATION

This unit is designed for home use only. If the unit is used in a location other than at home, such as in a shop (for commercial use), in a car or in a ship, etc., and is damaged, a service fee may be charged even during the warranty period.

This instruction manual is used to describe multiple models listed above.

Model availability and features (functions) may differ depending on the country and sales area.



Units are designed for operation as follows.

Before applying power

	U.S.A. and Canada	AC 120 V	only
Į.	Australia	AC 240 V	only

Europe and U.K.\_\_\_\_\_\_AC 230 V only China and Russia \_\_\_\_\_\_AC 220 V only \*Other countries \_\_\_\_\_\_AC 110-120 / 220-240 V switchable

#### For the United Kingdom

#### Factory fitted moulded mains plug

- The mains plug contains a fuse. For replacement, use only a 13-Amp ASTA-approved (BS1362) fuse.
- 2 The fuse cover must be refitted when replacing the fuse in the moulded plug
- 3 Do not cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or adapter, or consult your dealer. If nonetheless the mains plug is cut off, remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

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

> Blue : Neutral Brown : Live

Do not connect those leads to the earth terminal of a three-pin plug.

# Safety precautions

WARNING : TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

	ASIN OF ELECTRIC SHOP DO NOT SHEP		CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER- (OR BACK), NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALI- FIED SERVICE PERSONNEL.
	Image: Construction of the second symbol         The lightning flash with arrowhead symbol, within an equilateral triangle, is to alert the user to the presence of uninsulated "dangerous voltage" within to uct's enclosure that may be of sufficient magnitude to constitute a risk of shock to persons.           Image: Construct of the presence of uninsulated "dangerous voltage" within the triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the presence of important operating and maintenance (servicing) instruction literature accompanying the appliance.		IN TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PROD- E THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC
			F IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE

#### REQUIREMENT BY NEDERLAND GAZETTE

Batteries are supplied with this product. When they empty, you should not throw away. Instead, hand them in as small chemical waste-



The marking of products using lasers (Except for some areas)



The marking is located on the rear panel and says that the component uses laser beams that have been classified as Class 1. It means that the unit is utilizing laser beams that are of a weaker class. There is no danger of hazardous radiation outside the unit.



CD-324M/DPF-J5020 (En)

# Special features

CD player with 200-disc changer	This unit can acc home jukebox.	ommodate up to 200 discs and can be used like a
CD-TEXT support	songwriters, con	tion (disc title, track titles, names of the artists, nposers, etc.) recorded on the CDs can be easily yed. (Some Japanese words and text may not be + 15
Title registerable	disc title or other	not corresponding to CD-TEXT, you can register a r information. $\rightarrow 20$ ssible by specifying the initial letter of the desired $\rightarrow 26$
Programmed playback		m up to 200 discs can be selected and programmed der. (Maximum 32 tracks) — <u>16</u>
Filing functions suitable for a 200-disc changer	An enhanced fili capacity.	ing function is provided to handle the large disc
	Music type: 8 user files:	Discs are filed by 26 music genres. + 23 Discs can be registered in up to 8 user files. + 24
	Best selection:	Only favorite tracks can be registered and played. $\rightarrow 28$

# Contents

b Before applying power	2
1. Safety precautions	2
Special features	
Important items	. 5
System connections	. 6
Connection to digital amplifier or MD	7
Connection to a general-use amplifier	7
Controls and indicators	8
Operation of remote control unit	9
Loading batteries	
Operation	
Preparation	
Loading discs in the carousel	. 10
In regard to ALL DATA READ mode	. 11
Normal play (TRACK mode)	
Playing tracks in order from track No.1	
Direct disc selection	
Playback from desired track	
Skipping tracks	
Searching	
Displays	
Programming tracks in desired order (PGM mode)	
To check the programmed tracks	
To add a track to the program	
To change a track in the program	
To clear tracks from the program	. 17

To repeat one selected disc ...... 18 To select another track in the middle of playing one .... 19 To cancel random playback ...... 19 Registration of Title ...... 20 To change the character type ......21 To change or delete a title ......22 Registration of music type (MUSIC TYPE SET mode) ..... 23 Creation of user's disc file (USER FILE SET mode) ...24 To clear the music type or user file registered for a disc ... 24 Playing the music type or user file (MUSIC TYPE PLAY mode) ... 25 26 Disc search (DISC SEARCH mode) ...... Searching the music type or user file ......27 Listening to your favorite titles Timer operation ...... 29 

Caution : Read the pages marked  $\hat{n}$  carefully to ensure safe operation.

CD-324M/DPF-J5020 (En)

#### 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.

#### Keep this manual handy for future reference.



#### CO-324M/OPF-J5020 (En)



#### Maintenance of the unit

When the front panel or case becomes dirty, wipe with a soft, dry cloth. Do not use thinner, benzine, alcohol, etc. for these agents may cause discoloration.

#### Caution on condensation

Condensation tof dewl may occur inside the unit when there is a great difference in temperature between this unit and the outside. This unit may not function properly if condensation occurs. In this case, leave the unit for a few hours with the power left ON, and restart the poeration after the condensation has dride up.

Be specially cautious against condensatin in a following circumsatance:

When this unit is carried from a place to another across a large difference in temperature, when the humidity in the room where this unit is installed increases, etc.

#### Memory backup function

Stored contents for at least 3 weeks after power plug is unplugged from the AC out- let.	Power status (ON or OFF), Title registration contents Music type registration contents User file registration contents Best selection registration contents

#### Discs which can be played with this unit

CD (12 cm), and the audio part of CDV, CD-G, CD-EG and CD-EXTRA. Use discs that comply with the IEC standard, for example a disc carrying the **ULER** marking on the label surface.

An 8 cm CD cannot be played back.

#### Never play a cracked or warped disc

During playback, the disc rotates at high speed in the player. Therefore, to avoid danger, never use a cracked or deformed disc or a disc repaired with tape or adhesive agent.

Please do not use discs which are not round because they may cause a malfunction.

#### Disc accessories

The disc accessories (stabilizer, protection sheet, protection ring, etc.) which are marketed for improving the sound quality or protecting discs as well as the disc cleaner should not be used with this system because they may cause malfunction.

#### In regard to contact cleaner

Do not use contact cleaners because it could cause a malfunction. Be specially careful not to use contact cleaners containing oil, for they may deform the plastic component.

#### Note related to transportation and movement

Before transporting or moving this unit, carry out the following operation:

- 1. Remove all discs from the carousel and close the door panel.
- Confirm that the flashing "NO DISC" display has changed to steady lighting, and then switch off the power.



3. Wait a few seconds, then disconnect the power plug.

# System connections

#### CD-324M/DPF-J5020 (En)

Malfunction of microcomputer When connecting the related system components, refer If operation is not possible or erroneous display also to the instruction manuals of the related components. appears even though all connections have been Do not plug in the power lead until all connections are commade property, reset the microcomputer referpleted. ring to "In case of difficulty". - 31 Be sure to use this unit placed on a level surface. Optical connection (Except for the U.S.A., U.S. Military and Canada) Optical fiber cable (Commercially-available) To OPTICAL terminals Digital component (MD,DAT, etc.) like receiver, MD, DAT, etc. . . . Remove the protection cap DIGITAL INPUT (COAXIA) when using the DIGITAL OUT IOPTICALI jack. 75() coaxial cable with RCA PIN (Commercially-available) 23 ID COLUMN Ο SL 16/XS8 switch -2 System control cord To wall AC outlet 75Ω coaxial cable with RCA PIN о (Commercially-available) 1001 2020 2020 Audio corti L

Digital amplifier or receiver, etc.

R

CD

#### DTS Disclaimer clause

When playing DTS-encoded CDs, excessive noise will be exhibited from the analog stereo outputs. To avoid possible damage to the audio system, the consumer should take proper pre-cautions when the analog stereo outputs of the CD player is connected to an amplification system. To enjoy DTS Digital Surround™ playback, an external 5.1 channel DTS Digital Surround™ decoder system must be connected to the digital output (S/PDIF, AES/EBU, or TosLink) of the CD player.



Connect all cords firmly. If connections are loose, there could be loss of sound or noise produced

2. When plugging and unplugging connection cords, be sure to first remove the power cord from the AC outlet. Plugging/unplugging connection cords without removal of the power cord can cause malfunctions or damage to the unit.



#### Connection to digital amplifier or MD

Connect the DIGITAL OUT (OPTICAL or COAXIAL) jack to the digital input jack of the amplifier, DAT recorder, MD recorder, etc., using an optical fiber cable or coaxial cable which are commercially available in audio stores.

- 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.
- Be careful not to bend, coil, or bundle the optical fiber cable.
- 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.

#### Connection to a general-use amplifier

Use the provided audio cords to connect the OUTPUT jacks of this unit to the CD input jacks (or AUX jacks) of the amplifier.



#### SYSTEM CONTROL CONNECTIONS

Connecting system control cords after connecting a KENWOOD audio component system lets you take advantage of convenient system control operations.

There are two KENWOOD system control modes. Make connections according to the groups of terminal symbols shown below.

[XS8] Mode : lets you combine XX, XS, and XS8 terminals [SL16]Mode : for [SL16] terminals only

This unit is compatible with both [XS8] and [SL16] modes. Select the mode according to the connected components.

- 6





 Do this operation after completing all connections. Ensure that the power plug is not connected.



 If your amplifier or receiver does not have a system control terminal, do not connect any system control cords to the system control terminals on the other components.

- 2 Do not connect system control cords to any components other than those specified by KENWOOD. It may cause a malfunction and damage your unit.
- Be sure the system control plugs are inserted all the way in to the system control terminals.

#### SYSTEM CONTROL OPERATIONS

#### Remote Control

Lets you operate this unit with the system remote control unit supplied with the amplifier or receiver.

#### Automatic Operation (Except [XR] equipment)

Automatically switches the input selector on the amplifier or receiver when you start playback from this unit.

#### Synchronized Recording (Except [XR] equipment)

Lets you synchronize recording with the start of playback when recording from a CD. Also, the simple CCRS operation enables great recordings from CDs.

See the operating instructions supplied with your cassette deck for details.



#### OPOWER key/STANDBY indicator (For the U.S.A. , U.S. Military and Canada) 1/ () key/STANDBY indicator (For other countries)

ontrols and indicators

#### **GTIMER PLAY switch**

Used for timer play ON/OFF.

#### O Door panel

#### **ORANDOM key**

Press to start random playback.

#### ODISPLAY key

Switching between title display and time display.

#### O DISC SKIP knob

Used for disc selection. Characters are selected at the time of title registration

#### OCONFIRM key

The present playback mode is displayed.

**OREPEAT key** 

Press to start repeated playback.

#### OPlay/Pause key (►/II)

Remote sensor

Stop key (II)

#### Skip keys (Here PH)

文

Press to skip to the beginning of another track. Characters are selected at the time of title registration. 

#### Standby mode

While the standby indicator of the unit is lit, a small amount of current is flowing into the unit's internal circuitry to back up the memory. This condition is referred to as the standby mode of the unit. While the unit is in the standby mode, it can be turned ON from the remote control unit.

CD-324M/OPF-J5020 (En)

The keys with the same name as those on the main unit operate the same way as on the main unit. The keys marked \* are provided only on the remote control unit. O Input keys for numbers and letters \* GKeys related to program and file Used for selection of disc numbers and registration track numbers, as well as for title registra-MODE key KENWOOD tion. Press to switch the mode. SET key Keys related to playback mode and ۵. م ۵ Used for confirmation of mode settings. At display the time of title registration, one character **CONFIRM** key 66666 is confirmed and the cursor goes to the next BEST SELECTION key digit. •••••• Used for best selection registration and ENTER key ٠ playback Used for title confirmation. க் க் க் க் REPEAT key CHARA./P.MODE key **RANDOM key** Used for playback mode switching. At the க்க்கீ **DISPLAY** key time of title registration, this key switches between capital letters/small letters/num-ற்றற்றை ODisc selection keys bers and special characters. DISC SELECTOR key 0 SPACE/CHECK key Press to select a disc number Used to confirm the entered contents. G DISC SKIP (DONW/UP) keys Inserts a space at the time of title registration O Keys for basic operation and char-DELETE/CLEAR key acter input Used to delete the entered contents. At Stop key (E) the time of title registration, characters ENTER; Play/pause (>/II) key are deleted. CHARACTER: OTE COM Skip (DOWN/UP) keys (Had, Part) BC-P0709 CURSOR (LEFT/RIGHT); Search keys (++, ++) Press to move the played position of disc at high speed. Used as cursor keys at the Model: BC-P0709 time of title registration. Infrared ray system GPOWER (1/也) key Loading batteries



# **Operation**

After plugging in the power cord, press the POWER (I/()) key of the main unit to turn the power ON. When the power is turned ON, press the key of the function to be operated. •When pressing more than one remote control key successively, press the keys securely by leaving an interval of 1 second or more between keys.

10 B

The supplied batteries are intended for use in operation checks. Therefore, their lives may be shorter than ordinary batteries.
 When the remote-controllable distance gets shorter than before, replace both batteries with new ones.

Malfunction may occur if direct sunlight or the light of a high-frequency lighting fluorescent lamp enters the remote control light sensor. In such a case, change the system installation position to prevent the malfunction.

CD-324M/OPF-J5020 (En)

Up to 200 CDs can be loaded in the carousel. Disc exchange also is possible during playback.

Never let your hand or any object enter inside the unit.

Preparation

# Loading discs in the carousel



Do not place any object on the open door panel.

The slot No. is displayed when the DISC SKIP knob is turned.



Insert discs with the label on the right side. Playback is not possible when a disc is inserted the other way round.

Do not insert more than one disc in a slot.

When a disc not corresponding to CD-TEXT is inserted, searching for this disc will be facilitated when the title is registered at the time of disc insertion. -20 "Registration of Title "

#### Disc replacement

Discs can be replaced with the same procedure as "Loading discs in the carousel". In stopped condition, all discs can be exchanged. However, when the door panel is opened while "DISC DETEC-TION" is being displayed, it may not be possible to remove the disc which had been played. Accordingly, wait for the "DISC DETECTION" indication to go out before opening the door panel. When the disc information has been read in at the time of registration of disc information like title, music type, etc., the disc information can be recalled even when the disc insertion place is changed. -20 = 23





 When a trile has been registered and the door panel is closed, reading operation is performed automatically.

READING

The display flashes.

DISC



The disc information for all discs will be read. We recommend to execute this mode before playback after discs have been exchanged. Close the door panel before operation.



Each press switches the modes as follows:

MUSIC TYPE DISC SEARC TITLE INPUT ALL DATA R ALL INFORM	CH T IEAD			
ALL		TA	READ	)
arch in progress or ding information	The disp	olay flashe		
ding information	The disp 5C		- ADING	

 In the case of a non-CD-TEXT disc, the "D001:NO CD TEXT" display will appear for approx. 3 seconds.

To quit ALL DATA READ mode Press the **B** key.





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# Playing tracks in order from track No.1

Use the following procedure to play a CD in the original order of tracks from track No.1.



Each press pauses and plays the CD alternately.



#### What is the "normal play TRACK mode"? Playback is made from the first track. The normal playback mode is called TRACK mode. Press the CONFIRM key to confirm the present mode.



#### To set the unit to the TRACK mode:

At the time of PGM mode : Press the P.MODE key.



At the time of BEST SELECTION mode : Press the **B** key during playback.



At the time of MUSIC TYPE mode : Press the MODE key.



At the time of RANDOM mode : Select "RANDOM OFF".





# Playback from desired track





 When the Heet key is pressed once during playback, the track being played will be played from the beginning. Playback starts from the position where the key is released.



In the case of a CD-TEXT disc, the text information shown below is displayed automatically during normal play (TRACK mode).



QD-324M/DPF-J5020 (En)

Use the following procedure to select desired tracks (up to 32 tracks) from different discs and program them in the desired order.

#### Preparation

Load discs in the carousel. - 10
 Set the CD player to stop mode.

ogramming tracks in desired order (PGM mode)

Press so that the "PGM" indicator lights. PGM SELECT DISC Select the disc. Select the disc number. Previous disc Next disc Within 8 seconds! The disc number can be selected directly by using the DISC SELECTOR and numeric keys in place of the DISC SKIP keys. Set the input. When the disc corresponds to CD-TEXT, or when the disc title has been registered, the disc title will be displayed with scrolling. Discs can be selected by the disc title. - 20 "Registration of Title" If you make a mistake, press the CLEAR key and enter the disc No. from the beginning. Go to step B within 8 sec. 3 Select the track number. Press the numeric keys in the following order... O Input the track number. Track No.8 💠 🖪 • • • • • Track No.14 : 1 4 Track No.20 : 20 t t t t ச் கீ கீ PGMØ1 D20 Within 8 seconds1 To program the entire disc, press the SET key without inputting the Set the input. track number. "ALL" will be displayed. Program other tracks in the desired order by repeating steps and a. •Up to 32 tracks can be programmed. "FULL" is displayed when no more tracks can be programmed. If you make a mistake, press the CLEAR key and restart from step 8. Start playback. 

Tracks will be played in the order they are programmed.

When the interview or pressed during playback, the track will be skipped in the direction of the pressed button.

#### To check the programmed tracks





Each time the key is pressed, the program No. and the disc No. are displayed.

. When a track No. is entered, the track will be added to the end of the

The previous display resumes in a few seconds.

existing program.

#### To add a track to the program

Set the CD player to stop mode.

OPerform steps 🛙 and 🖬 of "Programming tracks in desired order". - 16





#### Press the CHECK key repeatedly until the program No, to be changed is displayed.



- Press it while the "PGM01" indicator blinks.
- The track being played cannot be changed.

#### To clear tracks from the program

cannot be cleared.



Each time the key is pressed, the last track in the program is cleared. The tracks which are programmed earlier than the track being played

When the P.MODE key is pressed during playback, playback in order of tracks starts from the track being played.

To clear all tracks





Repeated playback (REPEAT mode)

### To repeat only the desired tracks



•Up to 32 tracks can be programmed by repeating steps •



 The current status is displayed when the key is pressed once. When it is pressed while the status is displayed, the repeat ON status can be set to OFF (or vice versa).

All of the programmed tracks will be repeated.

In case only one track is programmed, only that track will be repeated.

#### To cancel repeated playback

Press the REPEAT key twice. (REPEAT ON → OFF)



#### To repeat one selected disc

- For random repetition For music type or user file repetition For best selection repetition
- -19 -25 -25

 The disc number can be selected directly by using the DISC SELECTOR and numeric keys in place of the DISC SKIP keys.



 The current status is displayed when the key is pressed once. When it is pressed while the status is displayed, the repeat ON status can be set to OFF (or vice versa).

#### To cancel repeated playback

Press the REPEAT key twice. (REPEAT ON  $\rightarrow$  OFF)

Use the following procedure to activate random playback which selects a track at random after every track. This feature may allow you to play CDs for long hours without getting tired of.

The Amerandon of the should be

Preparation -00 Load discs in the carousel



 Each time a track ends, the same operation as above is repeated, and the track selected next is played.

CD-324M/DPF-J5020 (En)

Random play stops after all of the tracks have been played once.

For repeated playback Press the REPEAT key to select "REPEAT ON".

#### To cancel random playback



Press the level key to stop playback.

Normal playback will be performed when RANDOM OFF is selected.



- 25

Select "ALL DISC RANDOM"

To select another track in the middle of playing one

Pressing the Here key once returns to the beginning of the track being played

For discs not corresponding to CD-TEXT, a title can be given to the disc (max. 25 characters). Operation is possible also when the door panel is open. We recommend to register titles while discs are being inserted.

enstration of fit



# Assigning Title (TITLE INPUT mode)



1. For discs corresponding to CD-TEXT, a new title can not be registered.

2. As the entered title and the CD-TEXT title information are memorized, the information may be displayed even when a disc has been removed.

CD-324M/DPF-J502D (En)

#### In regard to disc information reading The entered title is read in to the disc with the following timing. • When the door panel is closed. • With closed door panel, when title input mode is cancelled. The display flashes.



Do not move or exchange discs until the disc information has been read in.

#### Enter the disc title.

Calley Truster Strength Walks



Store the disc title.



#### To change the character type

The type of characters which can be entered is switched each time the CHARA, key is pressed.





One character is set and the cursor goes to the next digit.
 Repeat this to enter the disc name.

- If a desired character is not provided on the remote control keys, input the character as follows. Press the CHARACTER DOWN/UP key iH4, bbil until the character to be entered comes to the position of the flashing cursor. Then, press the SET key.
- The characters also can be selected with the DISC SKIP knob on the main unit. Turn the knob until the character to be entered comes to the position of the flashing cursor. Then, press the SET key.

Flashing cursor



 To register the disc name of another disc, repeat the entire procedure from step 
 for it.

#### To quit title input mode

Press the MODE key.



# To change or delete a title



Select a character.



- Call the disc to be changed.
- Deletion mode is cancelled when the MODE key is pressed.



Move with the << >> keys -

If the title to be changed is too long to be displayed on the display section, press the d or be key to scroll the display so that the characters hidden until then appear.



Flashing cursor

- If a desired character is not provided on the remote control keys, input the character as follows. Press the CHARACTER DOWN/UP key (HCC, DDM) until the character to be entered comes to the position of the flashing cursor. Then, press the SET key.
- The characters also can be selected with the DISC SKIP knob on the main unit. Turn the knob until the character to be entered comes to the position of the flashing cursor. Then, press the SET key.



When a title is to be deleted, delete all characters one by one.

To quit title input mode

Press the MODE key.

CD-324M/DPF-J5020 (En)

Discs can be registered separately by 26 types of music genres.

SGHIGGHISD





Do not move or exchange discs until the disc information has been read in.

When the MODE key is pressed during MUSIC TYPE SET mode, the

TYPE

MUSIC TYPE SET mode is cancelled.

 MUSIC TYPE
 DISC SEARCH
 TITLE INPUT
 ALL DATA READ
 ALL INFORMATION The display flashes.

MUSTO

Each press switches the modes as follows:

### Registration of music type (MUSIC TYPE SET mode)



Next type

Select the desired disc.

ext disc

Previous typ

Previous disc

The display flashes TYPE SET MUSIC Each press switches the modes as follows: Adult Contemporary → Alternative Rock → Children's Music → Classical → Contemporary Christian → Country → Dance → Easy Listening  $\rightarrow$  Folk  $\rightarrow$  Gospel  $\rightarrow$  Hip Hop  $\rightarrow$  Jazz  $\rightarrow$  Latin  $\rightarrow$ Musical  $\rightarrow$  New Age  $\rightarrow$  Opera  $\rightarrow$  Operetta  $\rightarrow$  Póp Music  $\rightarrow$  RAP → Reggae → Rock Music → Rhythm & Blues → Sound Effects → Sound Track → Spoken Word → World Music..... When "Rock Music" is selected Music Rock When the selected disc corresponds to CD-TEXT and contains a genre code, that genre code is registered as the music type. To confirm the genre code ... "Displaying all the text information" -15 The disc number can be selected directly by using the numeric keys in place of the DISC SKIP keys. Repeat step S if it is required to register another disc in the music type selected above. To register another music type, exit the MUSIC TYPE SET mode once. and restart from the beginning.

#### To quit MUSIC TYPE SET mode

#### Press the MODE key.



#### To clear the music type or user file registered for a disc

OPlay the music type or user file. → 25.			
OPress the CLEAR key during playback of the disc to be deleted.	D122	TYPE	CLEAR

CD-324M/OPF-J5020 (En)

When music types or user files have been registered for the discs, it is possible to enjoy playback of discs of the selected music type or user file. Random playback for a selected music type or user file is also possible.

Preparation	Load discs in the carousel.     Close the door panel.
	•Register music type or user file. + 23 - 24
	Check that the unit is in the normal play     TRACK mode.     - 13
	<ul> <li>Set the CD player to stop mode.</li> </ul>

# Playing the music type or user file (MUSIC TYPE PLAY mode)





Disc search (DISC SEARCH mode)

# Searching a disc by the disc title

By inputting the initial letter of the desired disc title, discs which have the disc titles beginning with that character can be searched in sequence.



#### To search the next disc



CD-324M/DPF-J5020 (En1



# Searching the music type or user file

The discs registered in the specified music type or specified user file can be searched in sequence.



You can select only your favorite titles and register them as the best selection. Use the following procedure to register favorite tracks in the best selection file while playing a CD.

antine to your any one tipes designed into

Preparation	<ul> <li>Load discs in the carousel.</li> </ul>	-10

# Registration of best selection file

Play the track to be registered.



Only the track being played can be registered.



Register it in the best selection file.



BESTØ1 D104 тøз

Register other favorite tracks by performing Up to 32 tracks can be registered. "FULL" is displayed when no more disc is acceptable.

# Playing the best selection file

Check that the unit is in the normal play TRACK mode, and set the unit to stop mode.



Press the BEST SELECTION key.

steps 🖬 and 🗃 for each of them.





The tracks are played in the order they are registered.

Each time the CHECK key is pressed, the disc numbers and track. numbers are displayed in the order they are registered.

#### For repeated playback Press the REPEAT key to select "REPEAT ON".

#### To quit BEST SELECTION mode Press the **B** key during playback.

 The recorded contents remain stored even when best selection mode is guit

#### To delete the registered best selection This is done during best selection mode.

Play the track to be cleared. Press the CLEAR key.	DELETE CLEAR
	$\leq \langle$

BESTØ2	CLEAR

As this unit incorporate the timer standby function, playback can be started at desired moment if a commercially available audio timer is combined with this unit.





1 Set the power switches of the system components to the ON positions.



Select the disc to be played.

TO: SOMEWORK STREET SACRON

imer operation



Main unit

 The disc number can be selected directly by using the DISC SELECTOR and numeric keys in place of the DISC SKIP keys.

Read the instruction manual of the timer carefully.

When the set time comes, playback will start automatically.
 The playback mode will be TRACK mode.



#### Operation to reset

n case of difficult

The microcomputer may malfunction limpossibility to operate, erroneous display, etc.) when the connection cords are unplugged while power is ON or due to an external factor. In this case, execute the following method to reset the microcomputer and return it to normal condition.

Unplug the power cord from the power socket and plug the power cord into the socket again.

#### To reset the registered contents

The registered contents for title, music type, user file and best selection can be reset by the following procedure.

Unplug the power cord from the power socket, and while holding the **B** key depressed, plug the power cord into the socket again.

#### Remote control unit

Symptom	Cause	Renady
Remote control operation is not possible.	<ul> <li>Batteries are exhausted.</li> <li>The remote control unit is too far away from the main system, controlling angle is too large, or there is an obstacle in between.</li> </ul>	Replace with new batteries.     Operate the remote control unit within the controllable range

#### CD Player

Symptom	Casta	Renady
No power is applied with the POWER(I / 也) key ON.	<ul> <li>Power plug is loosely connected.</li> <li>With the power plug connected to the switched AC outlet of an amplifier, the power of the amplifier is turned off.</li> </ul>	<ul> <li>Insert the power plug firmly to the AC outlet.</li> <li>Insert the power plug to the wall AC outlet.</li> </ul>
Disc is loaded, player does not play.	<ul> <li>Disc is loose.</li> <li>Disc is dirty.</li> </ul>	Insert disc properly.     Wipe off the dust on the surface of the disc referring to "Disc handling precautions"     +5
	<ul> <li>Disc is cracked.</li> <li>Condensation occured on the optical lens unit.</li> </ul>	Replace the disc with a new one.     Leave the player for about 1 hour so that the condensation is removed.
No sound.	Disc is not loaded.     Play mode is not entered (The play indicator is	<ul> <li>Load a disc and press the ►/II key 19</li> <li>Press the ►/II key.</li> </ul>
	not litt. • Disc is too dirty. • Disc is cracked. • The connection cords are inserted loosely.	<ul> <li>Wipe off the dust on the disc surface referring to "Disc handling precautions".</li> <li>Replace the disc with a new one.</li> <li>Connect all connection cords firmly.</li> </ul>
Music is interrupted. (Sound is skipped.)	<ul> <li>Disc is too dirty.</li> <li>Disc is cracked.</li> <li>Oscillation is applied to this unit.</li> </ul>	<ul> <li>Wipe off the dust on the disc surface referring to "Disc handing precautions".</li> <li>Replace the disc with a new one.</li> <li>Try selecting a place where no strong vibrations occur by changing the installation place, etc.</li> </ul>
Disc selection is not possible.	MUSIC TYPE PLAY mode is selected.	Press the MODE key to quit MUSIC TYPE     PLAY mode.     -25
Disc begins to play when power is switched ON.	• The TIMER PLAY switch is set to ON.	Set the TIMER PLAY switch to OFF unless timer playback is required.     -     29

#### CD-324M/DPE-I5020 (En)

	[Format] System
1	[D/A Convertors]
	D/A Conversion
	[Audio] Frequency response
	Less than 0.004% (at 1 kHz)
	Channel separation More than 92 dB (at 1 kHz)
	Wow & flutter
	Output level/impedance
	Fixed
	Digital output Coaxial (For U.S.A., U.S.Military and Canada) 0.5 Vp-p/75Ω Optical (Except for U.S.A., U.S. Military and Canada) 
	(General) Power consumption
	Power consumption

Specifications

Power consumption	10 W
Dimensions	W : 440 mm (17-5/16")
Dimensions	H : 173 mm (6-13/16")
	D : 479 mm (18-7/8")
Weight (Net)	7.3 kg (16.1 lb)



 KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice. 2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

#### 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:

- - Recrient 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 the U.S.A.

#### 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 2967-3, ISHIKAWA-CHO, HACHIOJI-SHI, TOKYO, JAPAN

KENWOOD CORP. CERTIFIES THIS EQUIPMENT CON-FORMS TO DHHS REGULATIONS NO. 21 CFR 1040.10, CHAPTER 1, SUBCHAPTER J.

Location: Back Panel

# KENWOOD

#### 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