KENWOOD

UD COMPONENT SYSTEM/COMPACT HI-FI SYSTEM

UD-405

INSTRUCTION MANUAL

KENWOOD CORPORATION



B60-2588-10 (S) (KP) (AP) 97/12 11 10 9 8 7 6 5 4 3 2 1 96/12 11 10 9 8 7 6 5 4 3 2 1

Before applying power

JE#405 (En

Units are designed for operation as follows.

U.S.A. and Canada	AC 120 V only
Eurone and U.K.	AC 230 V only
	AC 240 V only
	AC 220 V only
*Other countries	AC 110-120 / 220-240 V switchable

For the United Kingdom

Factory fitted moulded mains plug

- 1. 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.

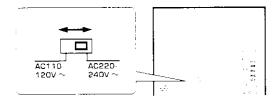
For other countries

*AC voltage selection

The AC voltage selector switch on the rear panel is set to the voltage that prevails in the area to which the unit is shipped. Before connecting the power cord to your AC outlet, make sure that the setting position of this switch matches your line voltage. If not, it must be set to your voltage in accordance with the following direction.

AC voltage selector switch

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



Note

Our warrant, goes not cover damage caused by excessive line voltage due to improver setting of the AC voltage selector switch.

Safety precautions

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



CAUTION

RISK OF ELECTRIC SHOCK



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



THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.



THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

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

CLASS 1 LASER PRODUCT

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.

::B) 2014-06

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Easy operation

Nearly all operations for CD, tuner, and cassette deck can be done just with the self-illuminated basic operation keys. (Color keyed function control).

Dynamic rotary volume control

When adjusting the volume, fast turning of the volume control produces a larger volume change for the same angle of rotation of the VOLUME CONTROL knob. Slow turning produces a small volume change, thus permitting fine adjustment.

3-Disc carousel CD player

- 16

Three discs can be set. There are various ways for enjoyment at the time of program playback, repeat playback, random playback, etc.

One-touch edit

-35 - 36

One-touch recording of only a single title or the entire CD is possible while listening to a CD.

Versatile tone and sound field adjustment

40 - 41

Equalizer patterns can not only be selected from preset patterns, but patterns also can be created and registered. It is possible to recreate a feeling of presence and to recreate a sound field.

Karaoke also can be enjoyed.

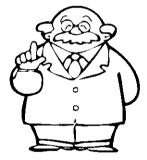
- 42

When the HIT MASTER function is used with mic mixing, normal CDs and tapes with voice recorded on them can be used as Karaoke software.

Simple operation timer

- 45

Wake-up timer and sleep timer setting is simple. There are also two types of program timers operating every day.



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.

Accessories

FM indoor antenna (1)

Speaker cords (2)



Loop antenna stand (1)









Remote control unit (1)

Batteries (R6/AA) (2)

Insulators (8)







ease attach to the speaker bottom

Disc handling precautions



Handling

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

3061 SUB

Playing side



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



Cleaning

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



Storage

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

Caution on disc used





Never play cracked or warped disc.

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

Discs which can be played with this unit

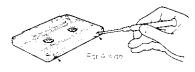
CD (12 cm, 8 cm), CDV (only the audio part)

ii. th CD-3 ICD Graph ost discs, this unit can blay only the audio.

Notes on cassette tape

Safety tab (accidental erasure prevention tab)

After an important recording has been finished, break the safety tab, to prevent the recorded contents from being erased or recorded on accidentally.





To re-record

Apply tape only to the position where the tab has been removed.

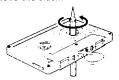
To store cassette tapes

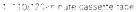
do not store the tapes in a place which is subject to direct sunlight, or near equipment that generates heat. Keep the cassette tapes away from any magnetic field.



When there is slack in the tape

In such a case, insert a pencil into the reel hole and wind the reel hub to remove the slack.





Since a 1107-20-minute cassette tabers very thin, the tabe bould adhere to the pinch roter or beleasily broken. It is recommended that these faces not be used with this sold t



Do not use an engless tabe, as this could damage the mechanism or *56 ST





Connection of the System Accessories

This is the connection method for system and accessories. Please look carefully at the illustration and connect correctly in the order of the numbers.

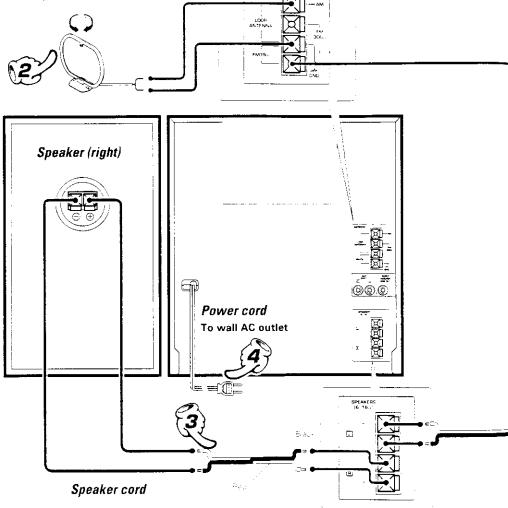
Malfunction of microcomputer

If operation is not possible or erroneous display appears even though all connections have been made properly, reset the microcomputer referring to "In case of difficulty".



AM loop antenna

The supplied antenna is for indoor use. Place it as far as possible from the main system, TV set, speaker cords and power cord, and set it to a direction which provides the best reception.



ANTENNA

Main Unit

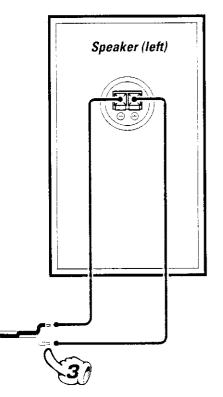




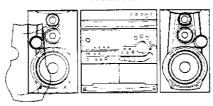
FM indoor antenna

The accessory antenna is for temporary indoor use only. For stable signal reception we recommend using an outdoor antenna. Remove the indoor antenna if you connect one outdoors.

- OStrip the coating from the tip of cord and twist the conductor.
- 2 Locate the position providing good reception condition.
- **©** Fix the antenna.



Front View





- . In case an associated system component is connected, also read the instruction manual of the component.
- 2. Never short-circuit the + and speaker
- 3. If the left and right speaker connections or the + and - polarity are inverted, the sound will be unnatural with unclear positioning of musical instruments, etc. Be sure to connect them without mis-





Speaker Unit

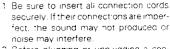










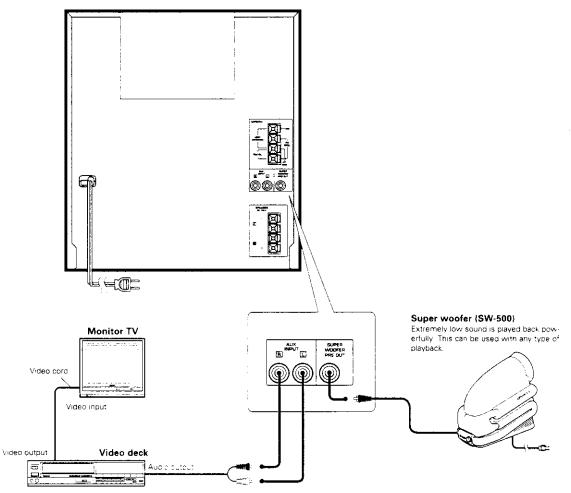


2. Sefore clugging or unblugging a connection cord, be sure to unplug the power cord from the wall AC outlet. f connection cords are plugged or un-Download from Www.Somanuals.com. All Manuals Search And Download ged with the power cora left clugged maifunction or damage may result.

UD-405 [En]

Connection of Options (Optional Parts)

Connect separately sold parts as shown in the figure. Do not plug the power cord into the power outlet until all of the required connections have been made.



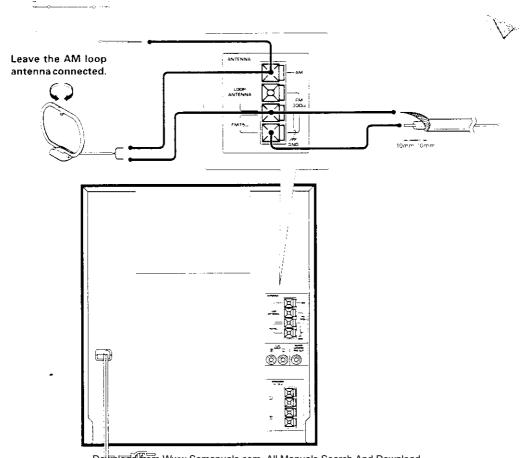
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AM outdoor antenna

If the reception is poor when the AM loop antenna is used, distribute a vinyl-coated wire of more than 6 meters outdoors, without disconnecting the loop antenna.

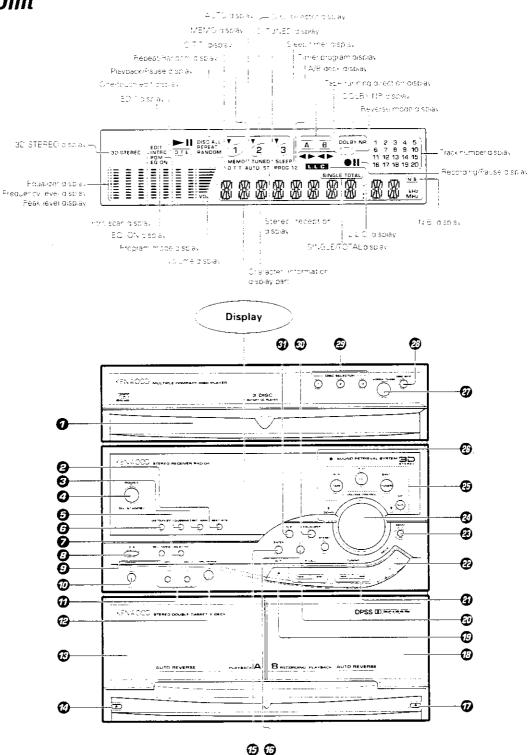
FM outdoor antenna

Lead the 75 Ω coaxial cable connected to the FM outdoor antenna into the room and connect it to the FM 75 Ω terminal.



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Main Unit



Used as fast forward and rapid reverse

O Disc tray	-
Enree bisos can be stored	
@BEST HITS key	→ 37
Recording or one title one	ach stored CB in sequence on tape.
@REC/ARM key	- 25
	this switch is pressed during recording, an
	of about 4 sec is produced and then the
tabe stops	
OPOWER key	- 14
Power GN/GFF switching	are aventied
ODUBBING key	t the Aldeck are copied to the tabe of the
Bideck	are A deck are cubied to the table of the
GONE TOUCH EDIT key	34
	during CD playback, only the title being
	ecorded on tape. When this key is pressed.
during stop, the CD selecte	diat that time wellbe recorded on tabe from
the first title onward	
ODOLBY NR key	- 19
Doiny no se reduction Div	OFF switching is executed
⊙ A∕B key	- 15 - 18
	selected. At the time of power OFF, power
save ON/OFF is switched	Anguetos
REV. MODE key	- 19_
ne reverse made at the switched.	deck both sides, repeated, one sideli is
@PHONES terminal	36.
Eprisonnection of a reado	- 15
MIC 1, MIC 2 termina	
For connection of a micros	
@MIC MIXING knob	- 122
	ne balance between the voice signal from
the microphone and the s	
A deck cassette holde	r
A deck eject (≜) key	
	sette holder at the time of cassette holder
removal and insertion	
© ENTER key	- 44
used for time setting it me	er setting, etc
DL.L.C. (Listening Leve	l Control) key - 39 g can be set in advance, and one-touch
switching is possible	·
Ø B deck eject (≜) key	
ØB deck cassette holde	•
Ø AUTO (■) kev	•
For CD, TAPE.	Used as the STOP key.
For TUNEP	Jaed as AUTO key for tuning mode switch-
	ng

Used for time setting

Used for skip title selection

used as **SKIP ∙**ev

At the time of cower CFF.

②P.CALL (I◄◄ ►►I) kev

For TARE.

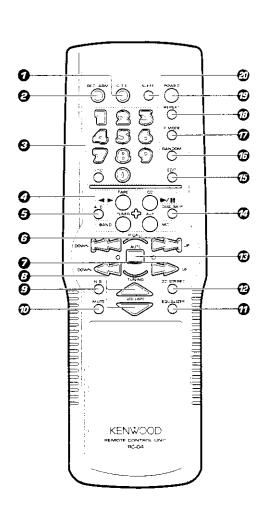
FOR TUNER

For TUNER: Used as TUNING key to tune in to sta-@ MODE key This key switches the function of the VOLUME CONTROL knob. The items which can be selected differ according to the status at that time @ DEMO kev Demonstration ON/OFF is switched **ØVOLUME CONTROL knob** - 14 Normally this is used for volume adjustment. Decending on the purpose, the function can be switched with the MODE key @Input selector keys The input source is selected. When a key other than VD (AUX) is pressed while the power is OEE, the power is switched on automatically. When TAPE or CD has been selected and a tape or a disc has been set, playback will start automatically. When the ◄ ► (TAPE) key is pressed during tape playback, the tape running direction is reversea. @3D STEREO kev 3D STEREO ON/OFF is switched. @ OPEN/CLOSE (▲) key The disc tray is opened and closed. + 17 @DISC SKIP key The disc for playback for recordingliss selected. This is also used for insertion of a CD to the inside of the disc tray @ DISC SELECTOR key **-** 17 The disc for playback (or recording) is selected. @EQUALIZER key - 40 The equalizer effect is switched ON/OFF and the type of equalizer effect is selected. @N.B. kev - 15 The low sounds are compensated at the time of listening at low volumes

@TUNING (◄◄ ►►) key For CD. TAPE.

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Remote control Unit



O.T.E. key This key has the same function as the ONE TOUCH EDIT main unit	= 34 ev on the
ØREC ∕ ARM key	→ _25
Number keys Used as number keys when the input is switched to CD.	- _17
OInput selector keys	→ _14
9 A/B key1	5 - _18
⊙ P.CALL (Preset Call) (I◄◄ ►►I) keys	
② TUNING (◄◄ ▶►) keys	
OVOLUME keys	- 14
This has the same function as the VOLUME CONTROL or	
main unit. However, the Al VOLUME function does not be	perate. Imper
ØN.B. key	- 15
MUTE key This is used to mute the sound temporarily.	15
@EQUALIZER key	→ <u>40</u>
Ø3D STEREO key	- 41
⊕AUTO (≡) key	esuci dit
ODISC SKIP key	- 17
⊕EDIT key	- 17 - 34
Used for CD edit recording it meled tirecording:	~~
®RANDOM key	- 32
For CD playback, switching is executed between introduc- ning, random playback, and normal playback.	it on scar
⊘ P.MODE key	- 28
Used to program the CD playback sequence	
@REPEAT key	→ _30
Used for repeated playback of a CD.	179.51
@ POWER key	- 14
@SLEEP key	- _45_
use to set the sleep timer	

The keys on the remote control unit with the same names as on the main unit have the same function as the keys on the main unit.

Loading batteries

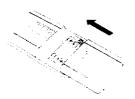
@ Remove the cover.



(2) Insert batteries.



© Close the cover.

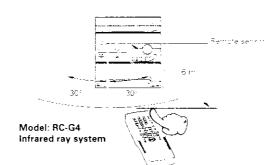


Insert two R6 ("AA"-size) batteries following the polarity indications.

Operation

After plugging the power cord of this unit, press the POWER key of the remote control unit to turn the power of the system ON. When the power is turned ON, press the key of the function to be operated.

•When cressing more than one remote control keys successively, press the keys securely by leaving an interval of " second or more between keys.



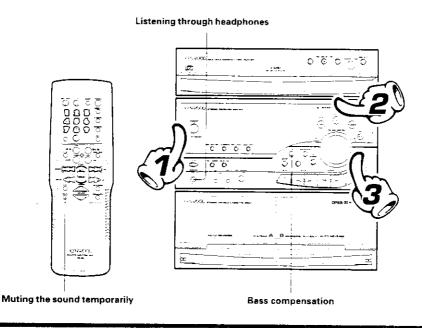
Operating range lapprox



- 1. The provided batteries are intended for use in operation checking, and their service life may be short.
- 2. When the remote control able distance decomes short, replace both of the batteries with new ones.
 3. If direct sublight of the Eght of a high-frequency fluorescent lamp (inverter type, etc., is incident to the remote sensor, maifur at on may occur
- In such a case, change the installation position to avoid malfunction.

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Basic use method



Press the POWER key.

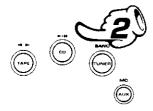


1. Switching the power ON (OFF)

The power also is switched on when an input selector key (CD, TAPE, TUNER, etc.) is pressed.

When the POWER key is pressed while the power is ON, the power will be switched OFF.

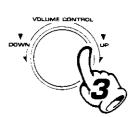
 The display part becomes dan, which the power is switched OFF (DiMMER function)



2. Selecting the desired output

CD - 16
Tape - 18
Broadcasts - 22

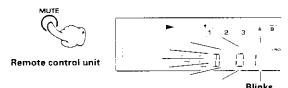
 When CD or TAPE is selected, playback will start when a disclor a tabela ready has been inserted.



3. Volume adjustment

- Quies turning produces a larger change amount (Dynamic rotary volume controtunction)
- ●The display shows a reference value.

Muting the sound temporarily (Remote control unit only)



- Press again to resume the original volume.
- This is cancelled when the volume or the L.L.C. is operated

Bass compensation (N.B.: Natural Bass circuit)



This is cancelled when it is pressed again.

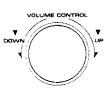
Listening through headphones

Oinsert the headphone plug into the PHONES jack.



The sounds from all speakers are cut off

Adjust the volume.



AUTO POWER SAVE function

When the power is ON and neither recording nor playback is executed for 30 minutes or more, the power is switched off automatically by this function. This function can be made active or not active by the following operation.

power is OFF.

Press when the



Each press switches the modes as follows.

- → 1 ON.... Auto power save is used.
 □ 2 OFF... Auto power save is not used.
- 2 Of 1 Addo power save is not used.
- This does not operate when the input selector is set to AUX (MD)

STANDBY mode of POWER switch

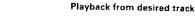
When the power cord of this system is plugged into an AC outlet, the display lights up regardless of the ON/OFF setting of the POWER switch. This indicates that a small amount of current is being supplied to the unit to back up the memory contents. This mode is referred to as the Stand By mode. While the display is lit, the power of the system can be switched ON/OFF from the Warmark Security April Download

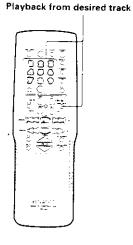
uD-405 (Er)

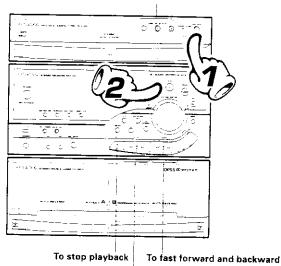
Playback of CD



When a disc is placed into the CD player in advance, this unit will be switched on automatically and the CD will be played when the CD (>II) key is pressed.







Skipping tracks

1. Load a disc.



The tray opens when the key is pressed and closes when the key is pressed again.

- Open the tray.
- Place a disc.
- Select the disc to be played.
- OClose the tray.

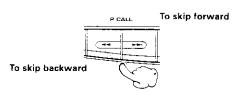


2. Start playback.



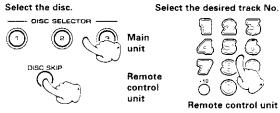
UD-405 (Ent

Skipping tracks



- The track in the direction of the button pressed is skipped, and the selected track will be played from the beginning.
- When the i◄◄ key is pressed once during playpack, the track being played will be played from the beginning,

Playback from desired track

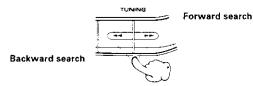


Press the numeric keys as shown below....

To enter track No. 23 : (+10) (+10) [3]

To select track No. 40: +10 +10 +10 0

To fast forward and backward



Playback starts from the position where the key is released.

To pause playback



• Each press pauses and plays the CD alternately

To stop playback



- •Do not touch the played side of disc
- Rotate the tray with the DISC SKIP key to insert the third disc.
- The tray of the disc to be played should come to the left position when the unit is seen from the front.

ind reported track Nosilare shown.

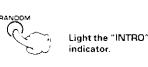


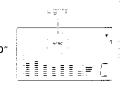
consignation time of playback

After a few seconds, blay starts from track No.1

Introduction scanning

Each title is played back in sequence for about 10 seconds. This is convenient to find titles to be played back with a disc being listened to for the first time etc.





Remote control unit

Each press switches the modes as follows.

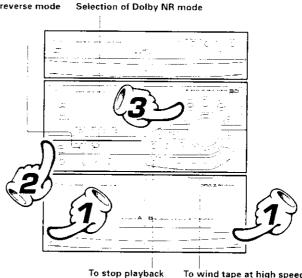
- "INTRO" lit...... Introduction scanning C "DISC RANDOM" lit......Random playback (1 disc) : "ALL RANDOM" lit......Random playback (all discs) "INTRO" and "RANDOM" not lit Normal playback
- Stock if executed after introduction scanning for all discs.



When a tape is placed into the cassette deck in advance, this unit will be switched on automatically and the tape in deck B will be played when the TAPE (◀ ►) key is pressed.







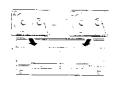
To wind tape at high speed

1. Load a cassette tape.



Open the door. @insert a tape and close the door.





2. Select the deck to be used for playback.

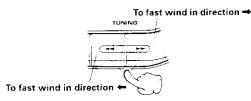


3. Start playback.

Each time the key is pressed, the tape running direction is changed.

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To wind tape at high speed



Press the ■ key to stop fast winding

Selection of reverse mode.



Each press switches the modes as follows.

- " " " " Both sides are played back (recorded), and then the tape stops.

 2 " " " Both sides are played back endlessly.

 (The tape stops after recording onto both
- sides.)

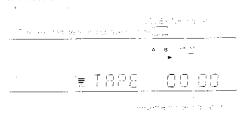
 ⅓ "=="....Only one side is played back (recorded),

and then the tape stops.





- Number 1 (in gr. 1995) It is not made. The RM table select this was automatically
- Remove tabe stack betore, pading
- Cinse the apprisedure v



To stop playback



• Do not press the eject key until the tape has stopped completely.

Selection of DOLBY NR (Noise Reduction)

The Dolby NR system minimizes the hiss noise heard when playing tape. When playing a tape prerecorded with Dolby NR ON, be sure to set the DOLBY NR ON for playback.

Lit when "DOLBY NR" is ON.





Each press switches the modes as follows.

- "DOLBY NR" ON......DOLBY NR is used.
 "DOLBY NR" OFF......DOLBY NR is not used.
- Select the Dorby NR mode according to the recording condition of the rape

Transport direction indicators

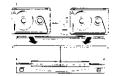
The ◀ and ▶ indicators indicate the current direction in which the tape advances when playback or recording is started automatically by the easy operation function, etc. This direction is the direction stored in memory when the tape was last stopped. (To change the direction, press the TAPE (◀ ▶) key then press the ■ key.





Relay play

When tapes are set in the decks A and B and the reverse mode is set to "=" (play of both sides), play of the second deck will be started automatically after play of the first deck has been completed. Tape play will be repeated alternately.



Felavicial, is not possible in the reverse modes "cizi" and "z±".

A tip for use of the tape counter

The tape counter is set to when a cassette tape is loaded. By writing down the counter reading in case you want to interrupt recording (playback) in the middle of the tape, the memo will be helpful as a reference for locating the same position when continuing the recording (playback) the next time. The tape counter figure decrements during recording or playback of the back side (while the \blacktriangleleft tape transport indicator is lit). To set the tape counter to when the cassette holder once.

To set the tape counter to Goldo, open the cassette holder once. Then the counter will be reset.

. ■ TAPE



The DPSS (Direct Program Search System) is capable of detecting non-recorded spaces of more than 4 seconds as "blanks between programs" and, based on this information, can return to the beginning of the music program being played or the beginning of a desired program by skipping up to 16 other programs.

During play in direction ►

To play the next program : Press once.
To play the 4th program after the current program : Press 4 times.



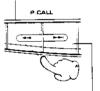


To return to the beginning of the current program: Press once.

To play the 4th program before the current program: Press 5 times.

During play in direction ◀

To play the next program : Press once.
To play the 4th program after the current program : Press 4 times.



To return to the beginning of the current program : Press once.

To play the 4th program before the current program : Press 5 times.



The DPSS may not function normally with the following kinds of tabe

- Tapes containing several noisound intervals of more than 4 seconds, such as conversation and talk tapes
- Tabes containing planiss mo sections, such as classical music tabe.
- Tabes in which large poise is recorded in blanks between programs.
 Tapes containing blanks between programs that are shorter than 4 seconds.
- Tapes containing blanks between programs that are shorter than 4 second
 Tapes recorded at low 499
- Tables recorded by pross-fade recording an worch the beginning of next program is overlapped on the end of previous program.

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JD 405 fer

Receiving broadcast station

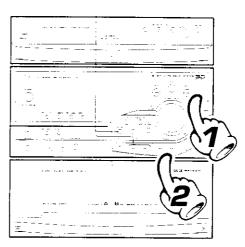
It is also possible to receive them by one-touch operations by storing up to 20 stations in the preset memory.



When the TUNER key is pressed, this unit will be switched on automatically.

Collective presetting of stations Storing radio stations in memory



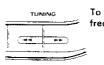




1. Select the broadcast band.

Each press alternates the band.

: AM



To increase frequency

2. Select a station.

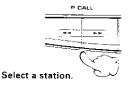
When no stations have been memorized

To decrease frequency

Auto tuning : Each press receives the next station.

Manual tuning: Press the key repeatedly or hold it depressed until a station is

When stations have been memorized (preset call)



Every time the key is pressed, the preset stations are switched over as follows

Press ►►! for the order of 1-2-3 ... 18-19-20-1...

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nermensem visital sea astonia si

Collective presetting of stations (auto preset)

Keep the ENTER key depressed (about 2 seconds).



Storing radio stations in memory (Station preset)

OPress the ENTER key during reception.

Presetting is cancelled when no operation is executed for 5 seconds or more.



@Select one of the preset numbers from 1 to 20.

Presetting is cancelled when no operation is executed for 5 seconds or more.

وكالتوابية ويروهن الأراب والرابات الماسان والمتعرفها والد



Press the ENTER key again.

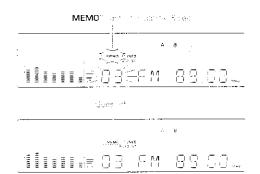




A B ...

Binks

- •V. thi priority for FM, a maximum of 20 statishs is cress-tailornal palay.
- Chen there are many stations and toe intendend for in the consequenceset, please also use. Storing radio stations in men. Inc.



- Repeat steps 000 to preset other stations
- if several stations are preset under the same number of the previous memory is repraced with the latest menority confern

Select the tuning mode.



Each press alternates the mode.

"AUTO" lit (Auto tuning)2 "AUTO" not lit (Manual tuning)

Use the manual tuning mode when reception is noisy due to weak reception. (In the manual mode, stereo broadcasts are received in monaural.)

[•]Sinen () ke, is ned depres earlineer itstroom bil be (krobbed at am

interval of about 11 Einebung

Recording (Deck B only)



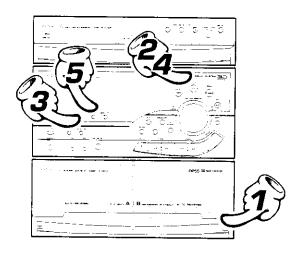
Note that this cassette deck cannot record onto Metal tapes.



When equalizer or another effect is applied to the sound, the sound with the applied effect can be recorded.







1. Load a tape in deck B.

- Open the door of deck B.
- Olnsert a tape.
- OClose the door.

- Differentiation between normal (TYPE) I vano high ITYPE II tabe is set automatically
- Remove tape slack percise loading.
- When the re-prophare is not used set the MIC MIXING centre knee full counterclockwise to the minimum position

2. Select the tape transport direction.

To reverse the transport direction



Check the tape transport direction indicator. O Start playback. @Press the key again. Stop playback.

- When recording is started, the table is trans parted in the direction selected in this step
- ullet V and the tabe to the bos bon where recording sitcipe started



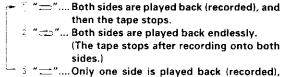
3. Set the recording condition.

O Select the reverse mode. And ad from Wossemannelsponby All Manuals Search And Download.

Selection of the reverse mode



Each press switches the modes as follows.



and then the tape stops.

To end recording



- . When the key is pressed, recording stops after leaving a nonrecorded brank of 4 seconds.
- if the key is pressed again in less than 4 seconds after it has been pressed, recording resumes from that instant

Selection of DOLBY NR (Noise Reduction)

The Dolby NR system minimizes the hiss noise heard when playing tape. When playing a tape prerecorded with Dolby NR ON, be sure to set the DOLBY NR ON for playback.

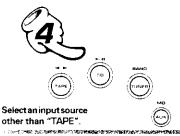
Lit when "DOLBY NR" is ON.





Each press switches the modes as follows.

- j "DOLBY NR" ON......DOLBY NR is used. - 2 "DOLBY NR" OFF......DOLBY NR is not used.



The indust source comparient to be 4. Select the source to be recorded. which is the second of the second o



been set in the AD blaver, its playback starts rmediate v

5. Start recording.



OPlay (or tune) the input source to be recorded.

Start recording.



- Recording stops automatically when the table side(s) to be recorded have been 10 iv recorded
- •îne peat canceri,notor car be used wher recording AIM proadpasts.



第一、2014年,阿德·拉德尔,2014年的第二日间,1914年,1915年,1915年,1915年,1914年,1914年,1914年,1914年,1914年,1914年,1914年,1914年,1914年,1914年

Dolby HX Pro

The Dolby HX Pro headroom extension system records high frequencies such as the cymbal sound clearly by controlling the bias current during recording according to the frequency composition of the sound being recorded. This system is activated automatically during recording with this unit.

UD-405 (E-

Beat cancel function

There may be cases in which beat noise interferes with recording of AM (MW/LW) broadcasting.

In such a case, press the DEMO key during recording to reduce or suppress the beat noise. The DEMO key acts as the demonstration key except during tuner recording.





Display during recording

During recording, the time display on the display panel shows the remaining playing time of the track (or disc). The displayed contents vary depending on the play mode.



Copying tape (Tape dubbing)

The contents of the tape in deck A can be copied onto the tape in deck B.

OSelect the "TAPE" input.





②Load tapes in the decks.

Select "

 "
 " (double-side recording)
 or "

 " (one-side recording).





• Use the same tape transport directions.

To reverse the transport direction

(1) Select the deck to change the transport direction.



(2) Start playback.





- (3) Press the key again.
- (4) Stop playback.

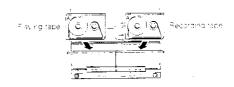


Start dubbing.





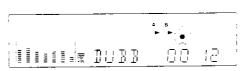
Press during stop.



Check the tape transport direction indicators.



When recording is started, the tabe will be transported in the prestruction selected in this step.



Dubbing ends automatically when the side(s) to be dubbed has been completed.

To stop dubbing



- The deck B will stop after creating a non-recorded portion of about 4 sec, and then the deck A will stop.
- The dubbing can also be stopped by pressing the STDP key. Nonrecorded blank is not created in this case.



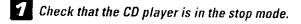
The **DOLBY NR** key is not active in dubbing mode. The tape recorded on deck B assumes the same Dolby NR condition as the tape blave a on deck A

Joille Hills and the

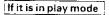
Listening in the desired sequence (program playback)

Any titles on the discs in the tray can be listened to in the desired sequence. (Max. 32 titles)

Select the "CD" input.











2 Light the "PGM" indicator.



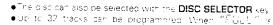




Enter track Nos. in the order you want to play them.

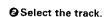
O Select the disc.





displayed indimore tracks can be programmed.
• To program all tracks of a CD, selectified scland then press the P.MODE key without selecting any tracks.

f you make a mistake, press the P.MODE key to guit the program mode and restart from step



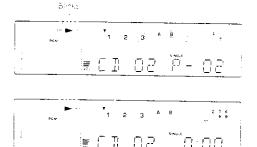


To select tracks from more than one disc, repeat **0** and **9**.









- \bullet^{Tracks} will be played in the order they were iprogrammed in order of PiNos .
- When the

 or the

 in key is cressed during play, the program will unto to the preceding or the following track respectively.
- ■When the ◄◀ kex is pressed once ouring playback the lotal cosition returns to the beginning of the current track being played.

To stop playback





To add a track to the program

O Select the disc.





Press during stop.

@Select the track.



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

To quit the program mode







time keiv a pressed during playback inormalic avidation older

UD-405 (En)

Repeated playback

Desired titles or discs can be played back repeatedly.

Select the "CD" input.

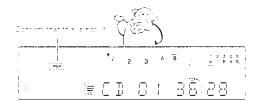
To repeat a disc



Confirm that the "PGM" indicator is not lit.

If the "PGM" indicator is lit, press the P.MODE key to turn it off.

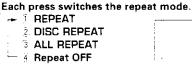
@Press to select "DISC REPEAT".

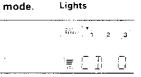
















To stop repeated playback

Press the REPEAT key twice.

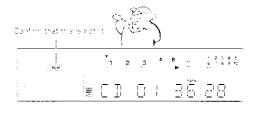
• The "DISC" and "REPEAT" indicators go off and the play-back following the current mode of the CD player starts.

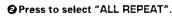
To repeat all discs



O Confirm that the "PGM" indicator is not lit.

If the "PGM" indicator is lit, press the P.MODE key to turn it off.





Select the disc.







Each press switches the repeat mode.

*** REPEAT

*** DISC REPEAT

*** ALL REPEAT

4 Repeat OFF



Lights

Select the disc to be played first.



To stop repeated playback

Press the REPEAT key again.

 The "ALL" and "REPEAT" indicators go off and the playback following the current mode of the CD player starts.

Select the "CD" input.

To repeat only one track

O Confirm that the "PGM" indicator is not lit. If the "PGM" indicator is lit, press the P.MODE key to turn it off.

@ Press to select "REPEAT".

@ Select the disc. O Select the track.

2: DISC REPEAT 3, ALL REPEAT 4 Repeat OFF

REPEAT



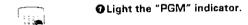
Liahts

To stop repeated playback

Each press switches the repeat mode.

Press the REPEAT key three times. • The REPEAT" indicator goes off and the playback following the current mode of the CD player starts.

To repeat only the programmed tracks







PGM ::::









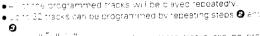
@Select the disc.

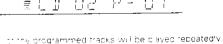
Select the track.











s displayed indimore tracks can be ord





@Press to select "REPEAT".





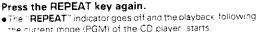








To stop repeated playback



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Anniiration saction

Listening to an unexpected title sequence (random playback)

As the titles each time are selected randomly, the music can be enjoyed without getting tired of it.

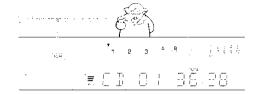
Select the "CD" input.





If the "PGM" indicator is lit, press the P.MODE key to turn it off.





2 Select the RANDOM mode.

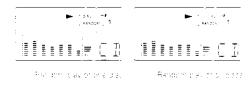
For "DISC RANDOM" playback, select the disc in advance.





Each press switches the modes as follows.

- → 1 INTRO......No random playback in this case.
 2 DISC RANDOM.......Random play of one disc
- 3 ALL RANDOM...... Random play of all discs
- 4 Normal playback



- Playback Stops ofter each title has been played phoe
- The random playback can also be receated by cressing the REPEAT key

To select another track in the middle of playing one



To cancel random playback

Press so that the "RANDOM" indicator goes off.





Convenient CD recording

Selection of the convenient CD recording type

With this unit, the following edit recording is possible according to the purpose.

If you want to avoid any tune being interrupted at

the end of tape

If you want to select the tracks to be recorded while playing a CD

If you want to record a CD in order of track numbers

For recording of only one title from several CDs

will be recorded in sequence on the tape. As already recorded CDs can be exchanged while recording, it is not necessary to interrupt the recording.

Giving preference to the tape length over the title **sequence** (time edit recording) Edit recording of CD is possible by the simple operation of entering the recording length of the tape.

UD-405 (E--

- _35

- 36

Recording only desired titles (ONE TOUCH EDIT single title recording)

Play a CD and, if a track you want to record starts, press the ONE TOUCH EDIT (O.T.E.) key. The track will be recorded from the beginning.

One touch recording of an entire CD

(ONE TOUCH EDIT recording of all titles) Press the ONE TOUCH EDIT (O.T.E.) key when in the stop mode. The disc will start to be recorded.

Producing a tape collecting only the first titles **→** _37 (BEST HITS function)

When the BEST HITS key is pressed, the first titles of all set CDs

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Giving preference to the tape length over the title sequence

(time edit recording)

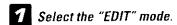
When the tape recording time is specified, recording is executed with changing the title sequence so that no title will be interrupted when the tape direction is changed at the end of one side.



When equalizer or another effect is applied to the sound, the sound with the applied effect can be recorded.

Recording preparations are required.

-174





Confirm that the "PGM" indicator is not lit.

If the "PGM" indicator is lit, press the P.MODE key to turn it off.

@Press the EDIT key.



The editing is ended when no operation is executed for 8 sec or more.

3 Select the disc.



DISC SKIP

3 Enter the recording length of the tape.





Confirm flashing of the ► indication and then go to step **G**.

Start edit recording.







 \bullet Table in the EC Tin label press the $\textbf{P.MODE}_{\text{FR}}$, of the remata control unit



Press the numeric keys as shown below.

30-minute tape: +10 +10 0

46-minute tape: +10 +10 +10 6

- divournare am stake in entering the recording time of eocithations.
 the ► indicator is blinking and restart from step ■
- Upito 32 tracks can be edited
- The ► indicator blinks after combletion of automatic editing.

•€ver in the rain into the actioneer selected selections of

 Every time the ►H key is pressed, the edited track numbers will be displayed in the changed drash. Press the ■ Fey to return to the track number of the first track.



- The tabe and CI istoplautomatically when rezording has occideted.
- The time display but no recording is the remaining time on the current side of tabe.



Depending on the combination of this fight. TD contents in absence titles and what not the titles and table each angle of contents of the vinctible recorded.

Recording only desired titles (ONE TOUCH EDIT.....single title recording)

At the time of CD playback, any desired title can be selected immediately for recording.



When equalizer or another effect is applied to the sound, the sound with the applied effect can be recorded.

Recording preparations are required:

- 24



Select a mode other than random play.







2

When you want to record a track being played, press the ONE TOUCH EDIT (O.T.E.) key.







- Prayback restarts from the beginning of the track being played and recording starts at the same time.
- The time display shows the temaining time of each track

When recording has been completed, a non-recorded portion of 4 seconds will be produced and the cassette deck part will stop. The CD player will enter temporary stop condition.

To record a different track, repeat the steps 2 and 2.



To end recording in the middle





One-touch recording of an entire CD (ONE TOUCH EDIT.....recording of all titles)

When the ONE TOUCH EDIT (O.T.E.) key is pressed while the CD player is in the stop mode, recording of a CD can be started at the same time as playback.



When equalizer or another effect is applied to the sound, the sound with the applied effect can be recorded.

Recording preparations are required.



Select the disc.

O Select the disc.









Select a mode other than random play



Step 2 also can be executed after the order of the tracks has been programmed.



Press the ONE TOUCH EDIT (O.T.E.) key.







- Recording of CD starts at the same time as playback
- At the end of tape, the music is not recorded on the leader tape. portion. If you do not want any music to be interrupted in the middle, refer to "Recording" and start recording of side B with the interrupted track





To end recording in the middle





Both the cassette deck and CD player stop

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Producing a tape collecting only the first titles (BEST HITS function)

The first titles of the discs will be recorded in sequence. During recording of the third disc, the already recorded discs can be exchanged. This is convenient for collecting hits from a large number of single CDs.



When equalizer or another effect is applied to the sound, the sound with the applied effect can be recorded.

Recording preparations are required:



Insert the discs.

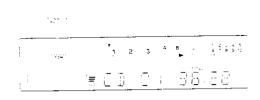


Make the PGM (program) display go out.

Switch to a mode other than RANDOM.



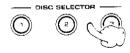




Start recording.

O Select the disc to be recorded.





@Press the BEST HITS kev.



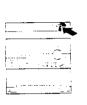
- Playback, will start, but when recording is started by ②, return will be made to the start of the first title
- Recording of the first titles will start from the selected disc

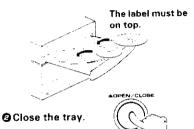


 Recording starts. The CD claver plays only the first title in sequence, starting from the disc selected in 🖸

- Replace the discs as required.
 - @Replace two discs.

The tray opens automatically.





- When recording of the toird also starts, the tray opens auto matigary. The two arready recorded discs can be exchanged
- Recording stops at the tabelend is nigrelside or both is des;

To end recording





When the discs are exchanged in sequence, the recording can be continued without interruptions.

 Recording stops at the end of the present title. uptions.

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■ When the ■ key is pressed, recording is stopped immediately Download.

Effective Sound Adjustment

UD-405 /Er

This unit permits selection of equalizer and sound field playback. Please select the equalizer as desired according to the music genre. Select the sound field mode according to the desired atmosphere.

Adjustment of balance and input level

Balance...... Adjusts the balance of left and right volume.

Input level......Adjusts the volume of external equipment (video deck etc.) connected to the AUX terminal. Please adjust as required when the volume from external equipment is too high etc.

Select what to adjust.





When no operation is executed for 5 seconds or more, the adjustment is ended automatically. (Return will be made to volume adjustment.)

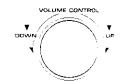
Each press switches the modes as follows.

- + 3 LSVをL......Strength of the 3D stereo effect 2 ピーラーデール.. Left and right volume balance 3 INPUT......Volume from the external equipment con
- nect the AUX terminal — ≩ ∜©∟.....Normal volume adjustment
 - When 3D stered is ON "LEVEL" istrenation of the 3D effect arsons aved

Adjust.

BALANCE adjustment

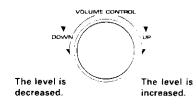




The right volume is decreased.

The left volume is decreased.

INPUT LEVEL adjustment



BALANCE adjustment

INPUT LEVEL adjustment



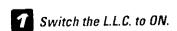
Adjustment is possible in the range from 30 to 0.

In regard to equalizer adjustment (LOW, MID, HIGH)

The setting items LOW, MID, and HIGH are displayed only when the equalizer is set to MANUAL (user memory). The result of adjustment of these items will be memorized automatically + _40_

Listening at Low Level (L.L.C.: Listening Level Control function)

When the volume for listening at low level (L.L.C. volume) is set in advance, it can be called by one-touch operation. At this time, the equalizer will be adjusted automatically for the apparent loss of high and low tones.





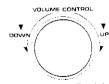




2 Adjustment of the L.L.C. volume.

Adjust the volume while the L.L.C. indicator is flashing.





The L.L.C. volume The L.L.C. volume increases.



•Viner that I = C. Volume exceeds 35 incliformbensation is executed for night and low range.

3 Memorizing of the adjusted volume.

Press while the L.L.C. indicator is flashing.





To call the memorized volume





When the key is pressed again after the L.L.C. indicator has finished flashing, this function is cancelled.

- The volume is reduced and the low range and the high range are compensated.
- When E.L.C. is ON, the change amount will be constant, independent of the speed with which the VOLUME CON-TROL map is turned.
- When the memorized E.E.C. volume is higher than the present volume, the volume will not change.
- ullet The volume will not return to the original volume when $z \in \mathbb{C}$

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UD405 (6))

Listening with the desired sound (equalizer function)

In addition to four equalizer patterns, one equalizer pattern created by you can be memorized and can be called for use

Demonstration

Equalizer and sound field effect will change sequentially. Confirm the effect.



Each press switches the modes as follows.

(Demonstration cancelled)

Selection of the equalizer pattern

The graphic equalizer patterns can be selected according to the genre of music played. Recording with applied equalizer effect also is possible.

- Play the desired music.
- Select the music category.





Display characters sorol from the hight to the lett

Each press switches the modes as follows.

- Creation and memorizing of an equalizer pattern

A desired equalizer pattern can be created and memorized.

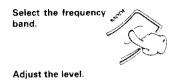


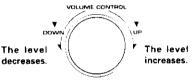
ODisplay "MANUAL".



Continue to step @ within 3 seconds.

@Adjust the equalizer pattern.



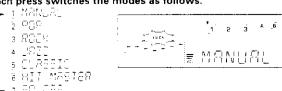


LOW, MID, and HIGH can be adjusted individually.

Memorize the setting.



Each press switches the modes as follows.



Each press switches the modes as follows.

- → 1 LGW....... Low range (bass, bass drum, etc.) 2 MII....... Medium range (vocals, guitar, etc.)
- 3 ₩ T 5 ½ High range (cymbals etc.).



- Each frequency band can be adjusted in the range from 4 to +4
- The adjusted contents are memorized automatically



Enjoying Sound Field Effects

Please switch off the sound field effects when listening to a tape recorded with sound field effects ON.

Experiencing 3D Stereo (Sound Retrieval System)

The Sound Retrieval System is an epochal system which produces a three-dimensional sound space by applying the most suitable processing to the sound signal on the basis of the human listening mechanism. This permits real depth and sound location, considered as difficult to realize with conventional 2-channel stereo (general stereo). A sufficient effect can be obtained for any source (CD, tape, broadcasts, etc.). Recording with applied 3D stereo also is possible.



Set 3D stereo to ON.



Adjust the effect strength (level).

LEVEL will be displayed.



Adjust the strength of the effect.

VOLUME CONTROL



The level decreases.

Each press switches the modes as follows.

"3D STEREO" is lit.....3D stereo is ON

3D STEREO" is not lit.... 3D stereo is OFF



Each press switches the modes as follows.

•3D stared 3N/OPF switching is not possible during recording



■ Earle district

• Agrustment is possible in the range from -10 to ±10

Application section

Enjoying Karaoke

When CDs or tapes with recorded voice and instrument music are played, it is possible to lower the volume only for the voice part. In combination with mic mixing, this permits easy enjoyment of Karaoke.

7 Connect a microphone.



Turn the MiC MIXING control fully counterclockwise.



Plug the microphone into one of the MIC jacks.



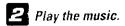


Adjust the volume balance between the music input and microphone input.
MIC MISTING



To increase microphone volume

- Use a microphone equipped with a mini-plug
- Set the MIC MIXING control knob to the fully counterclock wise position when the microphone is not used.
- The HIT MASTER function can be used when only normal music sources with vocal recording are available.
- Adjust the overall volume with the **VOLUME CONTROL** knob





Sing along with the accompaniment.



To record Karaoke singing



Perform the procedure above until step

② Start recording.





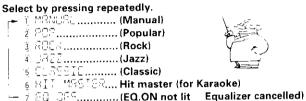
During Karaoke singing using the song recorded on a tape, the Karaoke sound cannot be recorded.

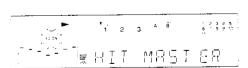
Enjoying Karaoke with software including the vocal part (HIT MASTER function)

This function makes it possible to enjoy music sources including vocal as pseudo Karaoke sources. This makes it possible to enjoy Karaoke even when no special Karaoke CDs or tapes are available.









- The Lourne of the vocal parts of the song decreases. However
- this effect may not be clear with some songs and discs

Ensure that the power is DFF.

Activate the clock adjustment mode.





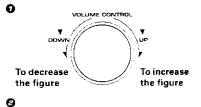


The time display starts to blink

Example: Adjustment to 8:45

2 Enter the figure of hour.





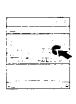


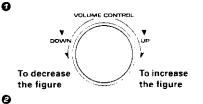




- •Theit me of the day is represented in 12-hour AM/PM method
- Fress the ENTER key. The hour is entered and the minute also ay starts to blink

Enter the figure of minute.









- in you make a mistake i restart from the beginning.
- •To adjust correct time, press the ENTER key at the same. moment as a time announcement
- The time display blinks after a power failure or when the power. cord has been unblugged from the AC outlet and blugged again. in such a pase, adjust the clock again

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Timer operation

405 (Sh

Operate easy To use Timer (O.T.T.)

Playback of the selected input source starts at the specified time, and the power is switched off after one hour. This timer operates only once directly after setting.

Sleep timer

The power is turned OFF automatically after the specified period has elapsed.

Timer playback, timer recording (PROG.1, PROG.2)

With each of the two timer programs, a selected source can be played (or radio broadcast can be recorded) in the previously set time period.

Al timer playback (PROG.1, PROG.2)

When timer playback starts, the volume increases gradually.

Adjust the clock before setting the timer.

Operate easy To use Timer (0.T.T.)

Timer playback is possible by the simple operation of setting the source to be played back and the playback start time. One hour after the start of playback, the power is switched off automatically.

Select the source to be played.

2 Switch OFF the power supply.

@Press the MODE key.



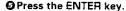


OSet the ON time.











Sleep timer

Set the number of minutes after which the power is to be turned OFF.

Turn the power ON.





Set the time.



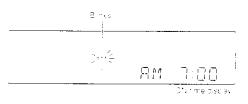




The program timer does not operate until 0.T.T. operation has ended.

At the time of tape playback by timer operation, the B deck has priority.

- Set the volume.
- When the MODE Hey is pressed, the input source will be disclaved, and after a few seconds, the CN time will be disclaved.



●The 21, time can be set in steps of 5 minutes

To cancel

Press the MODE key twice while the power is OFF.

- The power is turned OFF automatically after the set time has elapsed
- Each cress decreases the time by 10 minutes. The maximum time that can be set is 90 minutes.

 $90 \rightarrow 80 \rightarrow 70...30 \rightarrow 20 \rightarrow 10 \rightarrow Cancel \rightarrow 90 \rightarrow 80...$



Curation to seed timer

To cancel

Turn the power OFF or press the SLEEP key until the sleep time is cancelled.

it-405 fer

Timer programming

Two 24-hour timer systems (PROG.1, PROG.2) (which can be used every day) and a sleep timer system (which works only

once) are available. In each of PROG.1 and PROG.2, the timer data including the operating period and played contents can be set and selected to he activated or not as required.

- Timer reservation is possible for the two types PROGIC and PROGIC at the same time.
- Please make reservations with an interval pratileast the minute isothat the operation times of PROC IT and PROG 12 or not receive

Adjust the clock before setting the timer.

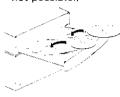
Make preparations for the play (recording).

To listen to radio

The station should be preset prior to the above.



Insert a disc. (Program playback is not possible.)



Select the disc to be : The B deck has priority at played (1, 2 or 3).

To listen to tape

Set a tape into deck B.



the time of timer playback.

Playing the auxiliary input

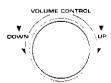
Make timer setting of the component connected to the AUX iacks.

For recording

Make preparations for recording.

Adjust the listening volume.





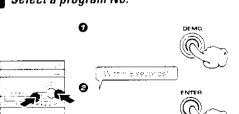
 When recording racio, the listening volume is automatically set its the minimum volume at the monient the bowler is turned 0% by the timer

Set the POWER switch to OFF (STANDBY) position.





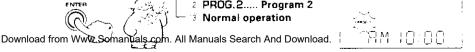
Select a program No.

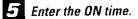


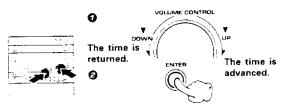
- The selected program (valights)
- talprogram No. Under which altimer program has a ready been reserved, it is replaced by the new timer program

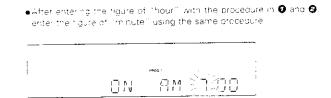
Each press of the key switches the program numbers as follows.

- 🗕 🗓 PROG 1..... Program 1
- 2 PROG.2.... Program 2 3 Normal operation

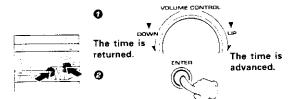


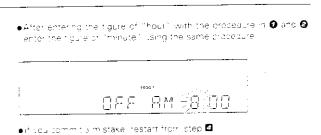






Enter the OFF time.

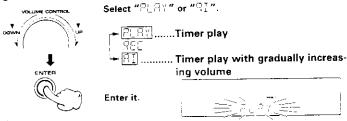




Make the desired reservation.

For timer playback or Al timer playback

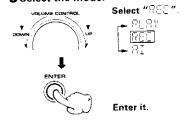
Select the mode.



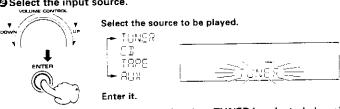
Timer recording of radio broadcasts:

O Select the mode.

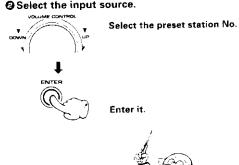
If you commit a mistake, restart from step @



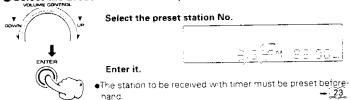
Select the input source.



@ Select the input source.



Select the broadcast station (only when TUNER is selected above).



Select the timer program No. to be used.



Each press of the key switches the program numbers as follows. 1 PROG.1......Execution of program 1 only.

2. PROG.2......Execution of program 2 only. 3 PROG.1, 2... Execution of programs 1 and 2.

4 Timer OFF

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UD-405 (En)

Ensure that the power is OFF.

The reservation contents cannot be dieared. The contents are dieared only whien they are changed.

Check the reservation content.



Select the program number to be checked.



Each press of the key switches the program numbers as follows.

PROG.1......Display of program 1 PROG.2......Display of program 2 Normal mode

> The reserved contents will be displayed for 3 socorids per item After this, the previous display content appears again

To change the reserved contents

Restart the procedure of "Timer programming" from the beginning.

When timer operation is not required



Press so that all PROG. indicators are OFF.

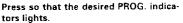


Each press of the key switches the program numbers as follows. PROG.1......Program 1 operates.

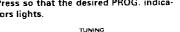
PROG.2.....Program 2 operates. PROG.1, 2...Programs 1 and 2 operate.

- Not lit.......No program operates.

To set the same timer program again









The reservation contents are neighborn memory.

Each press of the key switches the program numbers as follows.

- PROG.1.....Program 1 operates. PROG.2.....Program 2 operates.

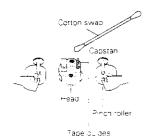
PROG.1, 2...Programs 1 and 2 operate.

Not lit.....No program operates.

Also prepare the disc or tabe and ad ust the listening volume

Maintenance

Cleaning the head section



Cleaning the heads and peripheral components

For maintaining the best condition of the deck and for longer service life, always keep the heads (recording / playback / erase), capstan and pinch roller clean. To clean them perform the following:

- 1. Open the cassette holder
- Using a cotton swab dipped in alcohol, clean the head frecording / plavback erasel, capstan and pinch roller carefully.

Demagnetizing the head

When the recording / blayback head is magnetized, the sound quality will deteriorate in such a case, demagnetize the head using a commercially available demagnetizer head eraser).



There are precisely aligned parts around the heads, including the tape guides When cleaning, pay special attention so as not to apply shock to them.

Reference

Beware of condensation

When water vapor comes into contact with the surface of a cold material, condensation is produced.

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

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

Be especially careful in the following conditions

mode with the SOUND RETRIEVAL SYSTEM

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

Doiby noise reduction and HX Proincadroom extension manufactured under licence from Doiby Laboratories Electing Corporation HX Prointing and & Clufsen

"DOLBY", the acubie-D symbol and "HX PRO" are trademarks of Dolby Laboratories Licensing Corporation

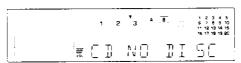
Sound Retrieval System manufactured under license from SRS Labs Inc. "SOUND RETRIEVAL SYSTEM" and the SRS Symbol () are trademarks of SRS Labs, Inc. Purchase of this product does not convey the right to self-recordings

When your unit needs to be repaired, bring the entire set (Speakers excluded) to your dealer.

Note related to transportation and movement (CD

Before transporting or moving this unit, carry out the following operations.

- 1. Turn the power ON but do not load a disc.
 - \bullet Press the CD (>/III) key to check that no disc is present on the tray.
- 2. Wait a few seconds and verify that the display shown appears.



3. Turn the power OFF.

Memory backup function

Stored contents which are cleared immediately when power plug is unplugged from power outlet Clock display

Stored contents which are cleared in at least a day after power plug is unplugged from power outlet

Amplifier

POWER status (ON or OFF) input selection Volume control value

Tuner unit Receiving pand

Frequency
Preset stations
Program settings

Cassette deck unit

DOLBY NR Reverse mode

Operation to reset

The microcomputer may fall into malfunction (impossibility to operate, erroneous display, etc.) when the power cord is unplugged while power is ON or due to an external factor. In this case, execute the following procedure to reset the microcomputer and return it to normal condition.

- Unplug the power cord from the power socket, and while holding the ENTER key depressed, plug the power cord into the socket again.
- Please note that resetting the microcomputer clears the contents stored in fireturns it to condition when it left the factory

Remote control unit

Symptom	Cause	Remedy
Remote control operation is not possible.	 The remote control is too far away from the system, the controlling angle is deviated or there is an obstacle in between 	Set a tape of CD in the component to be played.

Reciver unit, speakers

Symptom	Cause	Remedy	
Sound is not produced.	●The speaker cords are disconnected	Connect properly referring to "Connections"	6_
	•The volume control is set to the minimum	Adjust to an reduired volume	- 14
	 cas from The MuTE switch of remote control unit is a summable. 	Switch MUTE OFF	15
	Note that the property sense of the text and the sense of the se	 Unblug the neadpt on + blug 	- 15_
The character display blinks and sound is not produced.	●The speaker cords are short circuited	Turn the power OFF, remove the short- circuit, and turn the power ON again.	6_
Sound is not produced from the left or right speakers.	· •The speaker pords are disconnected	Connect properly referring to "System connection".	→ 6_
The clock display blinks without changing the figures.	 Inere was a power fature The power cord was unbugged from the outer 	Adjust the present time again Adjust the present time again	- 44 - 44
Timer operation is not possible.	 The present time has not been adjusted or there was a cower tailure. 	Adjust the present time referring to "Clock" adjustment"	- 44
	●The time: ON time and OFF time have not.		- 46
	peen set. ● The timer execution was not set up	Press the ►► key to set up the execution	- 47
Radio stations cannot be received.	The anternas have not been connected. Condend produces the pand has not been	Connect antennas Select a band	- 6 - 22
	The frequency of the station to be received short tuned.	Tune to the frequency of the desired station	- _22
Noise interferes.	• Carlight of holse.	 Install the outdoor antenna in an apart pos- tion from the road 	- 9
	• influence of an electric appliance	• Switch the suspected electric appliance.	
	●4 T, set is installed near the system	Install the TV or the system at an increased distance between them.	
A station has been preset but it cannot	• The frequency of the preset station is not	Preset stations with tunable frequencies	- _23
be received by pressing the P.CALL key.	tunable The preset memory has been cleared because the dower cordinas been unbugged tonal ongiber od	●Preset stations again	- _23_
Demonstration starts suddenly.	 The power blug was unbrupped from the butlet win leithe power switch was ON, or 	This is not malfunction. Press the DEMO key to cancel the demonstration.	40_

there was a power facure

Cassette deck unit

Symptom	Cause	Remedy	
	¹ •Trie tabel siwelling tooltight due to megular. Flowinging	Clean the head referring to "Maintenance" This another table.	49
	A nonrenarded tape is played	● Play a recorded table	
No operation occurs even when an opera- tion key is pressed.	The cussifite holder is not closed completely. The operation key is cressed immediately.		18
	after thising the cassette horder • The oberation sey is pressed in less than 4 seconds after turning the power ON	seconds after closing the holder • Fress operation Keys after waiting for more than 4 seconds	
	A table is not inserted in the unit. The table is wound tooltight due to megical winding. Although	• insert a tabe • Turanother tabo	<u>1</u> 18
	• The tabe is fully wound to one of the reers	Change the tabe transport direction or re- verse the tabe insertion prientation.	19
The DPSS malfunctions.	• The tabel used is not suitable for DPSS for example the spaces between tunes may be four shift.	 Refer to Searching for the desired music → ,2 program (DPSS)? 	21
In dubbing, the tape stops at different moments in decks A and B.	 This is due to the difference in the table engit or characteristics of the mechanisms of two tassette decis. 		
The cassette holder cannot be opened by pressing the eject key.	•The key is pressed during recording or clev- papy		
	• The initiation butter is mailtunotioning due to external noise.	• , notug the power para and blug .t again → _5	50
Sound is harsh or high frequencies are not reproduced.	: •The nead is dirty : •The tabe is stretched or shrunk	Clean the head referring to Maintenance in + 2 Try another table.	49
Sound is distorted.	 The take deing played was recorded with a storned sound. 	• Nanother race	
Noise is noticeable	● The family including machinetize b	 Ten somet he meine ag heterning tyll Man (→ 4 ns.). 	49
	. ●Filterna moise s induced	 Install the system at a distance from other electric appriances and TV 	
	A table renormed with Do by NR ON is played with Do by NR OFF.		19
Sound vibrates.	The capstans or dinchirollers are pink The caps is wound inequiarly.	Observations for the same space of the same spa	49 19
Recording cannot be started by pressing the record key.	nas been proken. T•7ne passette holder is not closed bom-	use a cassette with an unbroken recording protectifability of block the noie Close the holder completely	5 18
	The table is fully wound to one of the rees.	Select the source to be recorded with the ⇒ 2 nout selector key Change the tabe transport direction of de2- → 2	25 <u>.</u> 24
Volume of the recorded track changed.	MIC MIXING control knob is moved our ngi- recording.	Fig. visual the MIC MIXING control hood to	42

JD-405 [Es]

CD player unit

Symptom Symptom	Cause	Remedy As a 12 a
A CD is placed in the player but it cannot be played.	The disc is blaced upside down The disc bosition is displaced The disc is extremely dirty The disc is scratched Dev. is concensed on the optics lens	Place the disc properly, with the label side facing upward Place the disc properly Clear the disc referring to "Disc handling + 5 precautions" Try another disc. Refer to "Beware of condensation" and + 4 remove the condensation by evaporation.
Sound is not produced.	 The discrissing not been placed. The player is not but to the play mode. The discris extremely diffy. The discris scratched. 	Place a bisc in the CD biaver Press the CD (►11) key Clean the disc referring to "Disc handing + _5 precautions" Try another disc
Sound skips.	The disc is dirty The disc is scratched The player is subject to vibration	◆Clean the disc referring to "Disc handing →5 precautions" ◆Try another disc. ◆Install the unit in a place not subject to vibrations



- 1. With some tapes, a squeaky noise is produced when the tape is stopped automatically. This is due to the tape protection function, and not a malfunction
 - 2. Do not use 120-minute tapes, for the tape is too trun and gets easily tangled
 - 3 Do not use contact ២៩លាក់ខេង្គចកែចាត់។ Www. Somandalis domi. All Manuars Search Jand Bown ខែងdet cleaners containing out for they may deform the plastic component

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 lables on, or inside the product relating to laser product safety.

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KENWOOD CORP. CERTIFIES THIS FOUIPMENT CON-FORMS TO DHHS REGULATIONS NO. 21 CFR 1040. 10. CHAPTER I. SUBCHAPTER J.

Location, Back Panel

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.

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For the U.S.A.

Note to CATV system installer: This reminder is provided to call the CATV system installer's

attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

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D: 238 mm (9-3/8")

Specifications

Main unit (RXD-G4)

[Amplifier section]

Rated power output

70 watts per channel minimum RMS, both channels driven, at 6 Ω from 40 Hz to 15 kHz with no more than 0.5 % total harmonic distortion. (FTC)

Input sensitivity / Impedance ΔUX 200 mV / 47 kΩ MIC 2.1 mV / 2.2 kΩ

Signal to noise ratio

(FM Tuner section)

Tuning frequency range 87.5 MHz ~ 108 MHz

[AM Tuner section]

Tuning frequency range 530 kHz ~ 1,700 kHz

[Cassette deck section]

Track 4-track, 2-channel stereo Recording system AC bias system (Frequency: 105 kHz)

Heads

A deck Playback head 1 B deck Playback / recording head 1 Erasing head 1 Motors 1 Fast winding time Approx. 120 seconds

(C-60 tape)

[CD player section]

Laser Semiconductor laser Wow & Flutter Unmeasurable Limit

Power consumption 180 W

General

Dimensions W: 270 mm (10-5/8") H: 305 mm (12")

D: 342 mm (13-7/16") UD-405 (En

Speakers (LS-G4)

Enclosure	Bass-reflex type
Speaker configuration	3-Way system
Woofer	130 mm, cone type
Tweeter	65 mm, cone type
Super tweeter	25 mm, Piezo-Electric type
Impedance	6 Ω
Maximum input level	80 W
•	

General

Dimensions W: 180 mm (7-1/16") H: 305 mm (12")

Weight (net) 3.0 kg (6.6 lb) (1 piece)

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