

KX-550

INSTRUCTION MANUAL

KENWOOD CORPORATION

B60-1112-00 (K, P, E, T, M, X) (MC) 94/12 11 10 9 8 7 6 5 4 3 2 1 93/12 11 10 9 8 7 6 5 4 3

Introduction

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

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

Keep this manual handy for future reference.

For your records

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

Model_ __ Serial Number_

Unpacking

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

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

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

WARNING NOTICE:

IN MOST CASES IT IS AN INFRINGEMENT OF COPYRIGHT TO MAKE COPIES OF TAPES OR DISCS WITHOUT THE PERMISSION OF THE COPYRIGHT OWN-ERS. ANYONE WISHING TO COPY COMMERCIALLY AVAILABLE TAPES OR DISCS SHOULD CONTACT THE MECHANICAL COPYRIGHT PROTECTION SOCIETY LIMITED OR THE PERFORMING RIGHTS SOCIETY LIMITED.

Dolby noise reduction and HX Pro headroom extension manufactured under license from Dolby Laboratories Licensing Corporation. HX Pro originated by Bang & Olufsen.

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

	so	

Audio cord 2

System control cord...... 1



(Except for some areas.) (The shape may vary depending on the destination area.)

AC plug adaptor...... 1 (Except for some areas.) For the unit with a European AC plug in areas other than





Contents Caution: Read Controls and indicators...... 8



the	pages marked 🛕 carefully to ensure safe	operation.
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Before applying power

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

For the U.S.A. and Canada

Important!

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

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

For the United Kingdom

Important!

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

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

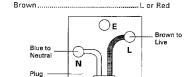
The wires in this mains lead are coloured in accordance with the following code:

Blue Neutral Brown.. _ Live

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

Wire colour Blue ...





Notes:

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

For Australia and Europe

Important!

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

Units shipped to Europe are designed for operation on 230 V AC only.

For other countries

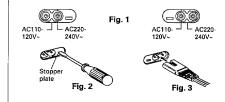
Important!

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

AC voltage selection

This unit operates on 110 - 120 or 220 - 240 volts AC. The AC voltage selector switch 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.

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



- 1. Before plugging in this unit, make sure that the position of the AC Voltage Selector conforms to your line (mains) voltage. If not, it must be reset. See Figure 1.
- 2. To reset the selector, slide the stopper plate to the opposite side with a screwdriver or other pointed tool. See Figure 2.
- 3. Insert the power cord securely. See Figure 3.

Safety precautions

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



CAUTION



'CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE, REFER SER-VICING 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 VOL-TAGE" 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) IN-STRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

IMPORTANT SAFEGUARDS

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

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

- Power sources The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
- 2. Power-cord protection Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.

Never pull or stretch



- Grounding or polarization The precautions should be taken so that the grounding or polarization means of this unit is not defeated.
- **4. Ventilation** The unit should be situated so that its location or position does not interfere with its proper ventilation.

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

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



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



 Temperature – The unit may not function properly if used at extremely low, or freezing temperatures. The ideal ambient temperature is above +5°C (41°F). Heat - The unit should be situated away from heat sources such as radiators, heat registers, stoves, or other units (including amplifiers) that produce heat.



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



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



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



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

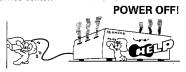




12.Carts and stands — An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

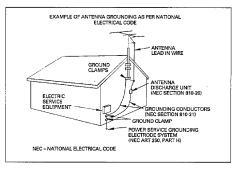


- **13.Nonuse periods** The power cord of the unit should be unplugged from the outlet when left unused for a long period of time.
- 14.Abnormal smell If an abnormal smell or smoke is detected, immediately turn the power OFF and pull out the power cord. Contact your dealer or nearest service center.



- 15.Damage requiring service The unit should be serviced by qualified service personnel when:
- **A.** The power-supply cord or the plug has been damaged; or
- B. Objects have fallen, or liquid has been spilled into the unit: or
- C. The unit has been exposed to rain; or
- **D.** The unit does not appear to operate normally or exhibits a marked change in performance; or
- **E.** The unit has been dropped, or the enclosure damaged.
- 16.Servicing The user should not attempt to service the unit beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

17.Outdoor antenna grounding — If an outside an tenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electrical Code, ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure.



- **18.Power lines** An outdoor antenna should be located away from power lines.
- 19.AC outlets Do not connect other audio equipment with a power consumption larger than that specified to the AC outlet on the rear panel. Never connect other electrical units, such as an iron or toaster, to it to prevent fire or electric shock.



Notes

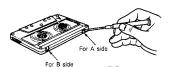
- 1. Item 3 is not required except for grounded or polarized equipment.
- 2. Item 17 and 18 are not required except for units provided with antenna terminals.
- 3. Item 17 complies with UL in the U.S.A.

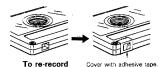
Before operation

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.





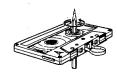
To store cassette tapes

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.



Notes: -

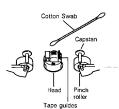
1, 120-minute cassette tape

Since a 120-minute cassette tape is very thin, the tape could adhere to the pinch roller or be easily cut. It is recommended that these tapes not be used with this unit to prevent possible damage.

Endless tape

Do not use an endless tape, as this could damage the mechanism of the unit.

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 head (recording/playback/erase), capstan and pinch roller clean. To clean them, perform the following:

Open the cassette holder.

 Using a cotton swab dipped in alcohol, clean the head (recording/playback/erase), capstan and pinch roller carefully.

Demagnetizing the head

When the recording/playback head is magnetized, the sound quality will be deteriorated. In such a case, demagnetize the head using a commercially available demagnetizer (head eraser).

Note:

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.

Beware of condensation

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

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

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

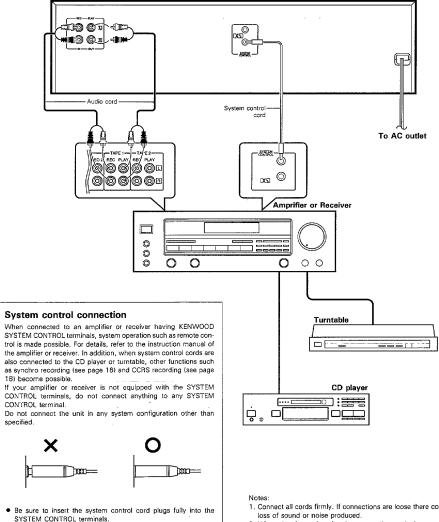
Be specially careful in the following conditions:

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

System connections

Make connection as shown below. When connecting the related system components, refer also to the instruction manuals of the related components.

Do not plug in the power lead until all connections are completed.



- 1. 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.

KX-5550 (En) 7

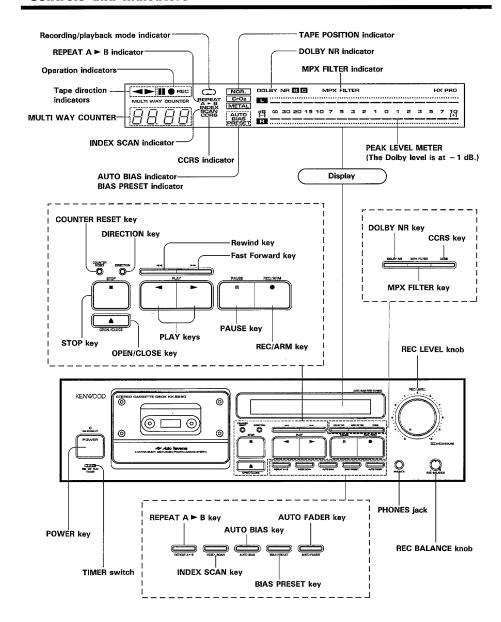
1!-4--!-- 4- ----44- 4----

• If the system control cord and audio cords are not connected

tem functions will not operate.

properly, the automatic system governing remote control and sys-

Controls and indicators

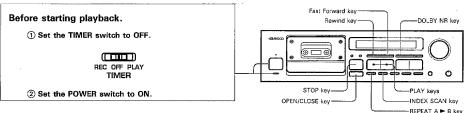


8 KX-5550 (En)

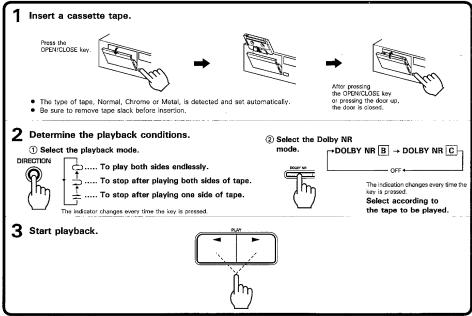
Refere eneration



Listening to cassette tapes



■ To play back a tape



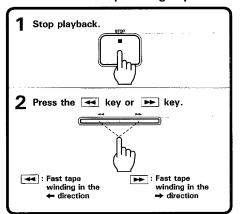
To stop playback, press the key.

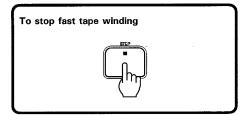
• Do not press the OPEN/CLOSE key un completely.

Listening through headphones Insert the plug of commercially-evailable headphones into the PHONES jack.

DOLBY NR key DOLBY NR key PLAY keys INDEX SCAN key REPEAT A > B key			
key loor up, dd.			
B → DOLBY NR C OFF ← Indication changes every time the is pressed. ect according to tape to be played.			
key until the tape has stopped			
28			
KX-5550 (En) 9	=		

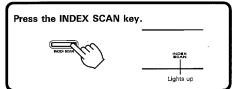
■ To wind the tape at high speed

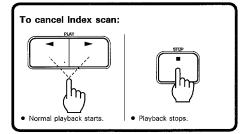




■ Index scan operation

Index scan plays the first about 10 seconds of every tune on tape.

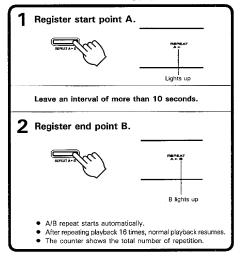


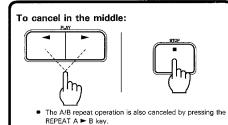


■ A/B repeat operation

 $\ensuremath{\mathsf{A/B}}$ repeat plays the block between two designated points repeatedly.

This function is activated during playback.





Tape transport direction indicators

The ◀► indicators show the direction of tape transport in its play-back or recording. The direction selected when the tape was stopped the last time is maintained even after the power is turned off. When the tape is started automatically by the automatic play operation, etc., the transport starts with the direction shown by the direction indicator. If you want to change the transport direction for the next time the power is turned on, press the play key of the opposite direction before turning power off.





DPSS operation

The DPSS (Direct Program Search System) enables the following convenient operations according to the instructions of the operation keys. The DPSS functions are based on the detection of non-recorded spaces of 4 seconds or more between tunes.

1. Skip play:

By specifying a tune located several tunes beyond (or behind) the tune being played, skips tunes between the current tune and the selected tune and starts playback from the beginning of the selected tune. Up to 16 tunes can be skipped in Skip Search.

Single-tune repeated playback:

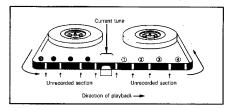
2. Single-tune repeated One single tune is played back repeatedly up to 16 times.

3. Rewind & Play:

Rewinds the tape to the beginning and starts playback from there.

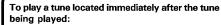
4. Dash & Play:

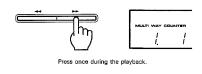
If a non-recorded space of more than 10 seconds is detected during playback, that space will be skipped by fast forward tape winding.

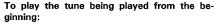


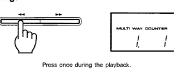
■ Skip play operation

The example below shows the case in which the direction indicated by the tape transport direction indicator is ►. If the direction indicated by the tape direction indicator is ◄, always press the keys for the opposite directions to those shown in the illustrations below.

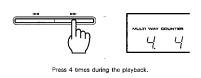




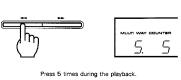




To play a tune located 4 tunes beyond:



To play the tune located 4 tunes behind:

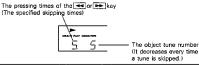


Index scan and DPSS will not function properly with the following types of tapes.

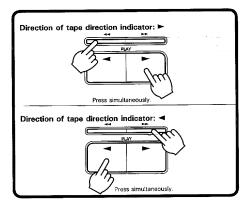
- Tapes containing spaces of 4 seconds or more, such as conversations and speeches.
- Tapes containing extremely low levels or non-recorded spaces in the middle of tunes, such as classical music.
- Tapes containing recording or large noise between tunes.
- · Tapes recorded with low recording level.
- Tapes recorded with low recording level.
 Tapes recorded using Cross-fade recording.

MULTI WAY COUNTER display during skip play

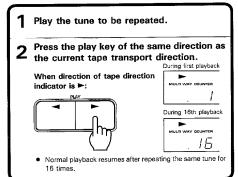
The skipping condition is displayed on the MULTI WAY COUNTER during skip play. The left counter displays pressing times of the we have and the right counter displays object tune number.

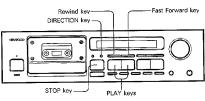


■ Rewind & Play operation



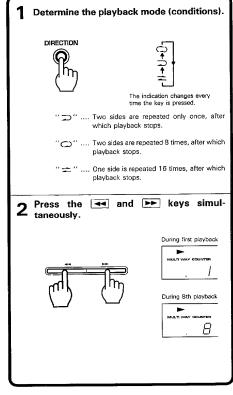
■ Single-tune repeated playback operation





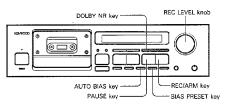
■ Dash & Play operation

The Dash & Play skips long non-recorded spaces automatically as the tape is played.



To cancel the playback above in the middle:	Press once.	
Playback is stoped.		

How to record



Auto-bias adjustment:

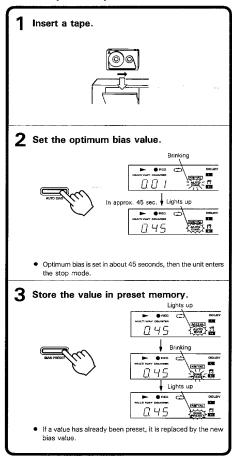
Tapes are available in a wide range from popular models to high-class models, and their characteristics are not uniform. This unit incorporates the auto-bias adjustment function which allows to perform recording with optimum bias value for any kind of tape.

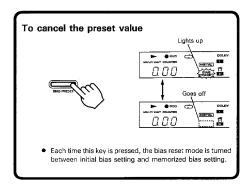
Bias preset:

The optimum bias value set by the auto-bias function can be stored in memory for each type of memory (Normal/Chrome/Metal). The stored bias values can be recalled easily by press-

ing the BIAS PRESET key.

■ Bias preset operation





Recording with Dolby HX Pro

When recording is strated with this unit, the Dolby HX Pro headroom extension function automatically operates to provide a recording with superior high-frequency characteristics.

What is Dolby HX Pro

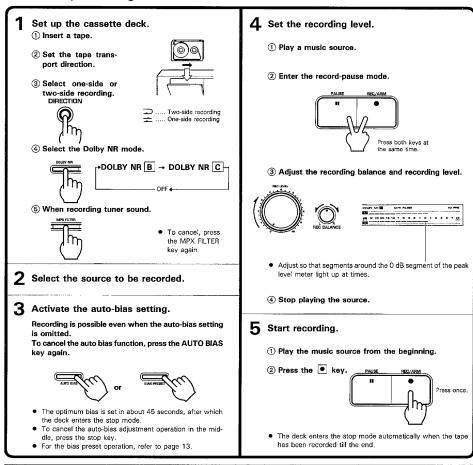
In ordinary recording using high-frequency biasing, the high-frequency bias current, which should be constant, is increased with some recording sources due to the high-frequency component contained in the music, etc. This increase affects the recording characteristics with distorted high frequencies and degraded dynamic range and frequency response.

The Dolby HX Pro circuit detects the high-frequency component contained in the music source being recorded, and reduces excessive bias current to make it constant. As a result, the recording characteristics of high frequencies are drastically improved, and the improved high-frequency reproduction can also be enjoyed even when the tape is played on tape decks which are not equipped with circuit.

How to record

The cassette deck incorporates the Dolby HX Pro headroom extension function and auto-bias function to provide a recording with superior high-frequency characteristics.

■ Ordinary recording



Dolby noise reduction system

The Dolby noise reduction system was developed to reduce the tape hiss noise generated during playback.

The optimum effect of the Dolby NR system is obtained when the same type NR system is used for both recording and playback. If a different type NR system is used, playback is not performed correctly. Make sure that the same type noise reduction system is used for both recording and playback.

Dolby B NR

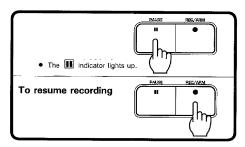
The most popular noise reduction system used in home audio components. Usually, Dolby NR system corresponds to B NR.

Dolby C NR

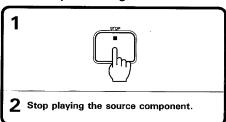
Dolby C NR offers improved noise reduction performance over that of the Dolby B NR. It features a superior noise reduction effect, Use Dolby C NR to record or playback with this unit.

It is recommended that tapes recorded with the Dolby NR system be marked "B" or "C", so that they can easily be distinguished.

■ To pause recording temporarily



To stop recording



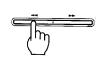
■ Zero-stop operation

Not available with remote control

Press simultaneously.

Direction of tape direction indicator ▶:





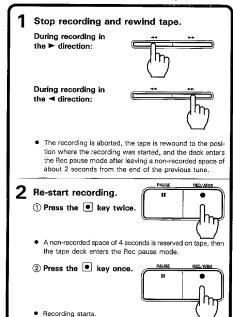
 Tape is wound until counter reading near "0.00" where it stops.

Usage of counter

Before starting recording (playback), press the COUNTER RESET key to reset the counter to "0.00", and write down the counter reading when the recording (playback) should be stopped in the middle of the tape, etc.; this will make it easy to locate the same position when you want to continue recording (playback) next time.

■ To re-start recording after mistake

A non-recorded space of 4 seconds or more should be reserved before the position where recording was started.



How to provide non-recorded blanks between programs

To make a non-recorded blank of 4 seconds in stop mode

Press the key twice in succession.

• After leaving a non-recorded blank of about 4 seconds, the

deck enters the record-pause mode.

To make a non-recorded blank during recording

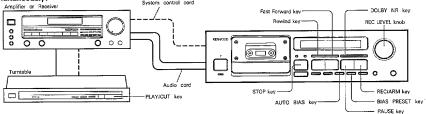
Press the Pkey once during recording.



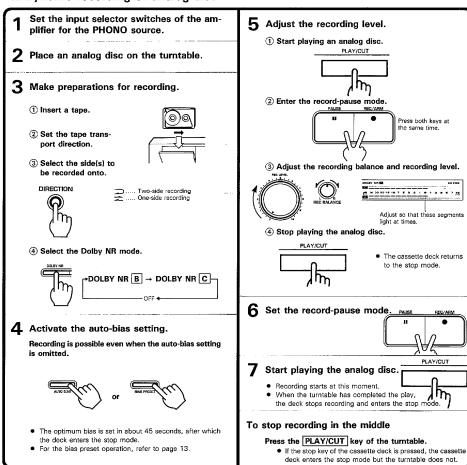
 After running to make a non-recorded blank of about 4 seconds from the point where the key is pressed, the deck enters the record-pause mode.

Synchro recording

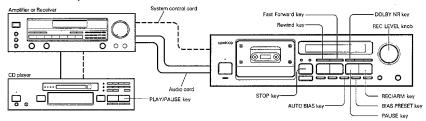
By connecting this unit with a KENWOOD (XS) type amplifier (receiver) with a SYSTEM CONTROL jack and a KENWOOD turntable with a SYSTEM CONTROL jack using system control cords, recording on this unit and playback on the turntable can be started simultaneously.



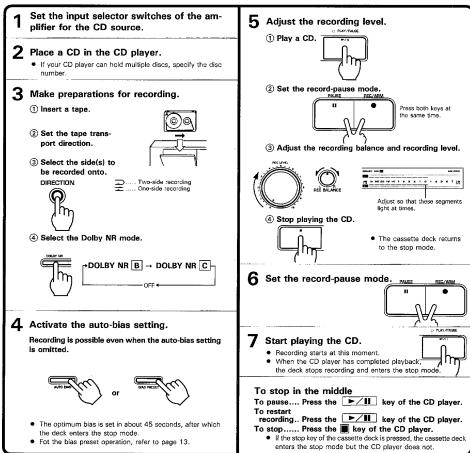
■ Synchro recording of analog disc



By connecting this unit with a KENWOOD (XS) type amplifier (receiver) with a SYSTEM CONTROL jack and a KENWOOD CD player with a SYSTEM CONTROL jack using system control cords, recording on this unit and playback on the CD player can be started simultaneously.



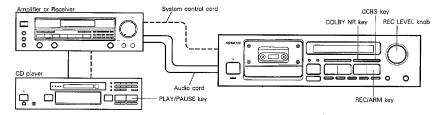
■ Synchro recording of CD



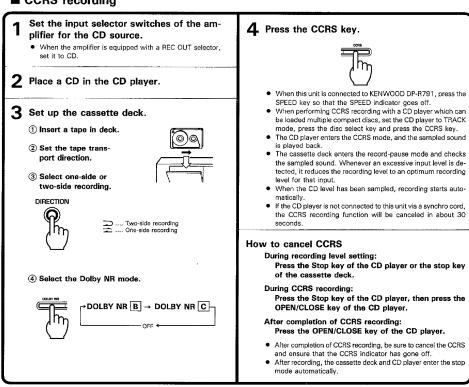
Recording of CD playback

About CCRS (Computer Controlled CD Recording System)

When connected with a KENWOOD CD player provided with " [XS]" marking through the system control cord, this unit allows to used the CCRS (Computer-controlled CD Recording System), which starts recording automatically after setting the optimum recording level for the CD and tape to be used in recording.



■ CCRS recording



■ Edited recording of CD

- Set the input selector switches of the amplifier for the CD source.
 - When the amplifier is equipped with a REC OUT selector, set it to CD.
- 2 Place a CD in the CD player.
- 3 Set up the cassette deck.
 - 1 Insert a tape in deck.
 - 2 Set the tape transport direction.



3 Select one-side or two-side recording.





.... Two-side recording

4 Select the Dolby NR mode.



DOLBY NR B → DOLBY NR C

___ OFF +_____

- 4 Start editing.
 - For the editing method, read the instruction manual of the CD player.
- 5 Press the CCRS key.



- The cassette deck enters the record-pause mode.
- The CD player enters the CCRS mode, and the sound sampled from the CD is played back.
- If the CD player is not connected to this unit via a synchro cord, the CD peak search function will be canceled in about 30 seconds.

■ Fade-in/fade-out recording

Fade-in refers to starting recording by gradually increasing the volume. Fade-out refers to ending recording by gradually decreasing the volume when recording it to be ended in the middle of a tune or when the tape runs out in the middle of a tune.

Fade-in operation

Adjust the recording level beforehand.

Pause recording.

Press at the position where fade-in is to be initiated.



2 Press the AUTO FADER key.

The REC LEVEL control knob moves automatically to the "0" position.



3 Start fade-in.





then press

Fade-out operation

Press the AUTO FADER key.

The REC LEVEL control knob moves automatically to the $^{\prime\prime}0^{\prime\prime}$ position.



 When the key is pressed again, the control knob returns to the previous position.

Timer operations

This unit incorporates a built-in timer standby function. By using an audio timer optionally available in the market, wake-up playback and unattended recording of tape can be started at any time of the day.

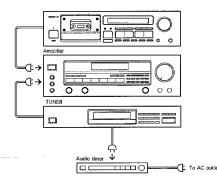
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Preparations for timer playback and recording

Connect the power cords of the components directly or indirectly to the timer so that their powers can be turned on via the timer.

The timer setup operation varies depending on the timer. Also read carefully the instruction manual of your audio timer.

When operating the unit other than CD player using an audio timer, be sure to remove the disc from CD player.

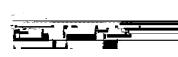


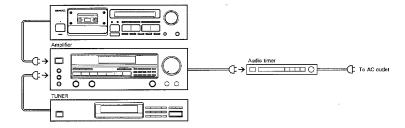
■ Timer playback

Set the power switches of the components 4 Start playback. used in timer playback to ON. 2 Insert a cassette tape. 5 Adjust the volume of the amplifier. 6 Rewind the tape to the start position. . The type of tape, that is, Normal, Chrome or Metal, is set automatically. · Remove the tape slack before insertion. 7 Set the timer so that the tape starts at the 3 Set the playback condition. desired time of the day. 1 Set the tape transport direction. 2 Select the playback mode. DIRECTION Endless playback. 8 Set the TIMER switch to PLAY. Stops after playing two sides. = Stops after playing one side. 3 Select the Dolby NR mode. REC OFF PLAY TIMER DOLBY NR B - DOLBY NR C · When the set time comes, tape playback starts automatically. · Playback stops when the end of tape is reached. · Set according to the tape to be played.

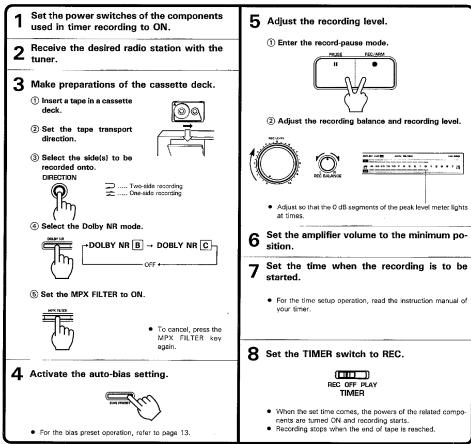
Note

The memories (bias preset, etc.) are held for about 3 days even when the power is not supplied. If the timer is set that the power is not ON for over 3 days, the memories may be erased.





■ Timer recording of tuner broadcast



Notes:

1. To ensure that the cassette deck's automatic shut off switch operates before the power is shut off, set the timer so that it operates for a little longer than the playing time of the tape.

2. The memories (bias preset, etc.) are held for about 3 days even when the power is not supplied. If the timer is set that the power is not ON for over 3 days, the memories may be erased.

In case of difficulty

What appears to be a malfunction may not always be serious. If your unit should not perform as expected, consult the table below to see if the problem can be corrected before seeking help from your dealer or service representative.

Symptom	Cause	Remedy
Sounds is not produced when the Play key is pressed.	The connection cords are connected improperly. The head is dirty. Tape is irregularly wound and hard to take up. A non-recorded tape is being played.	Connect the cords properly referring to "System connections". Clean the head referring to "Cleaning the head section". Replace the tape. Play a recorded tape.
The deck does not work when an operation key is pressed.	The cassette holder is not closed completely. The operation key was pressed immediately after closing the cassette holder. The operation key was pressed within less than 4 seconds after the power was turned on. Tape is not inserted. Tape is irregularly wound and hard to take up. Tape has been fully wound to reel.	Close the cassette holder completely. Press the desired operation key in a few seconds after closing the cassette holder. Press the desired operation key in more than 4 seconds after turning the power on. Insert a tape. Replace the tape. Change the tape transport direction or insert the tape inversely.
DPSS malfunctions.	 The tape is not suitable for DPSS operation, for example the spaces between tunes are too short. 	Read "DPSS operation".
CCRS does not work.	A disc is not placed in the CD player. The disc is dirty.	Place a disc in the CD player and press the CCRS key. Clean the disc, place it in the CD player, and press the CCRS key.
The cassette holder does not open when the OPEN/CLOSE key is pressed.	The key is pressed during recording.	Press in the Stop mode.
Sound is hoarse, or high frequencies are not audible.	The head is dirty. The tape is stretched or wrinkled.	Clean the head referring to "Cleaning the head section". Replace the tape.
Sound is distorted.	The recording level was too high. A tape recorded with distorted sound is being played.	Adjust the recording level referring to "How to record". Replace the tape.
Recording is not initiated when the REC key is pressed.	The protection tab on the cassette has been broken. The cassette holder is not closed completely. The recording level is set to the minimum position. The REC OUT selector on the amplifier is set to TAPE. Tape has been fully wound to a reel.	Use a cassette with unbroken tab. or close the hole. Close the cassette holder completely. Adjust the recording level referring to "How to record". Press the REC OUT selector of the source to be recorded. Change the tape transport direction of Deck or insert the tape inversely.
Sound level is low when recorded in the CCRS mode.	Occurs depending on the disc.	Increase the recording level with the REC LEVEL control.

²² KX-5550 (En)

Symptom	Cause	Remedy
Noise level is high.	The head is magnetized.	Demagnetize the head referring to "Clean- ing the head section".
	 External noise is induced. 	 Install the system apart from other electrical appliances and TV set.
	 The recording level was too low. 	 Adjust the recording level referring to "How to record".
	 A tape recorded with Dolby NR ON is being played with Dolby NR OFF. 	Press the DOLBY NR key to B or C.
Sound is vibrating.	The capstans or pinch rollers are dirty.	Clean the head referring to "Cleaning the head section".
	Tape is irregularly wound.	 Wind the tape regularly by fast forwarding, rewinding or playing it fully from one reel to another.
Playback or recording starts immediately when the power is switched ON.	The TIMER switch is set to PLAY or REC.	 Set the TIMER switch to OFF unless timer playback or timer recording is required.

Notes

- This unit is microprocessor-controlled, so malfunction may occur due to external noise or interference noise. In such a case, unplug the power cord, plug it and turn power on again.
- Do not use contact cleaners because it could cause a malfunction. Be specially careful against contact cleaners containing oil, for they may deform the plastic components.
- 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.
- 4. Do not use 120-minute tapes, for the tape is too thin and gets easily tangled.

For CANADA DOC REGULATION

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

For the U.S.A. FCC WARNING

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

NOTE:

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

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

Specifications

Track System
Motors DC motor×2
MODE motor × 1
Fast Winding Time Approx. 90 seconds (C-60 tape)
Frequency Response:
Normal Tape 20 Hz to 16,000 Hz, ±3 dB
CrO ₂ Tape 20 Hz to 17,000 Hz, ±3 dB
Metal Tape 20 Hz to 18,000 Hz, ±3 dB
Signal-to Noise Ratio:
DOLBY NR OFF 55 dB
(IEC, 250 nWb/m, Metal tape)
DOLBY C NR ON 73 dB
DOLBY B NR ON 66 dB
DOLBY NR OFF 58 dB
(3rd H.D., 3%, Metal tape)

Harmonic Distortion Less than 3.0% (at 315 Hz, 3rd H.D., 250 nWb/m, metal tape) Wow and Flutter 0.07% (W.R.M.S.) ±0.20% (DIN)
Input sensitivity/Impedance:
LINE IN 100 mV/47 kΩ
Output Level/Impedance:
LINE OUT 775 mV/1.4 kΩ
Headphones 1.10 mW/32 Ω
[GENERAL]
Power Consumption 22 W
Dimensions W: 440 mm (17-5/16")

H: 127 mm (5")

D: 257 mm (10-1/8") Weight (Net)......4.4 kg (9.7 lb)

Note

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

Note:

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

Observera:

Apparatens strömförsörjning kopplas från sekundärt. V.g. ge akt på följande.

Apparaten frånkopplas inte helt och hållet från strömnåtet medan apparatens nätsladd är ansluten till växelströmsuttaget.

Huom:

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

Bemærk:

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

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

Anmerkning:

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

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