

KR-V8040

## INSTRUCTION MANUAL

KENWOOD CORPORATION

B60-0720-20 (K, P, M, Y, T) (A) (S) MC

## 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.

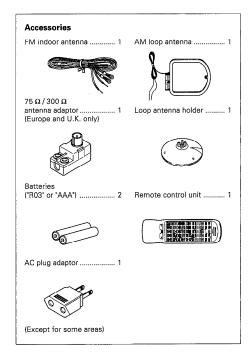
Model \_\_\_\_\_ Serial Number \_\_\_\_

#### 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.



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## Before applying power

#### For the U.S.A. and Canada

#### Important!

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

**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 N or Black Brown L or Red Brown to

Blue to Neutral N

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

#### For Australia and Europe

#### Important!

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

Units shipped to Europe are designed for operation on 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

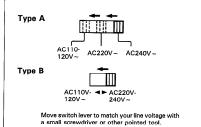
### AC voltage selection

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

#### Note:

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

#### AC voltage selector switch



## Safety precautions

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



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.

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.

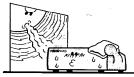


5. Water and moisture — The unit should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.



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

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



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



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



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



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





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

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



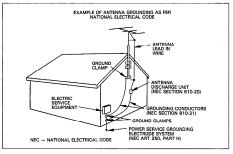
- 13. Nonuse periods The power cord of the unit should be unplugged from the outlet when left unused for a long period of time.
- 14. Abnormal smell If an abnormal smell or smoke is detected, immediately turn the power OFF and pull out the power cord. Contact your dealer or nearest service center.

### POWER OFF!



- **15. Damage requiring service** The unit should be serviced by qualified service personnel when:
  - **A.** The power-supply cord or the plug has been damaged; or
  - **B.** Objects have fallen, or liquid has been spilled into the unit; or
  - C. The unit has been exposed to rain; or
  - **D.** The unit does not appear to operate normally or exhibits a marked change in performance; or
  - **E.** The unit has been dropped, or the enclosure damaged.
- 16. Servicing The user should not attempt to service the unit beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.
- 17. Outdoor antenna grounding If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electrical Code, ANSI/NFPA 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 con-

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



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



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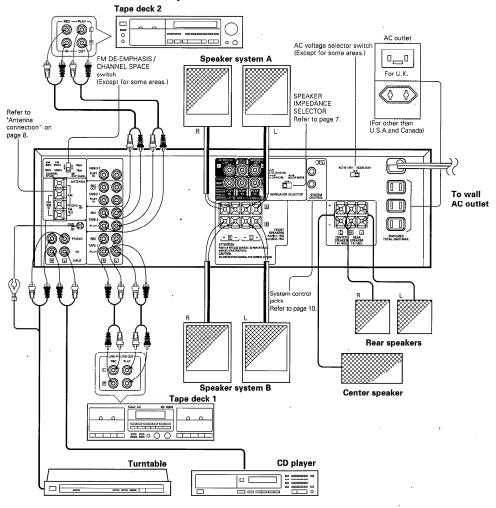
- 1. Item 3 is not required except for grounded or polarized equipment.
- 2. Item 17 and 18 are not required except for units provided with antenna terminals.
- 3. Item 17 complies with UL in the U.S.A.

## **System connections**

Make connections as shown in the diagram 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.

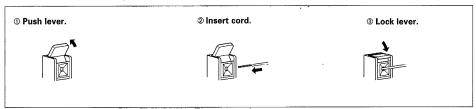
#### **■** Connection of audio components



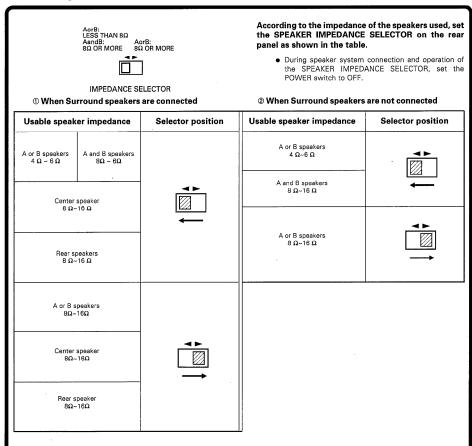
#### Notes

- 1. Connect all cords firmly. If connections are loose, there could be loss of sound or noise produced.
- 2. Do not connect up a power source which is larger than that indicated on the socket at the rear of the unit.
- 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.
- 4. Never short-circuit the + and speaker cords.
- 5. If the left and right speakers are connected inversely or if the speaker cords are connected with reversed polarity, the sound becomes unnatural with ambiguous acoustic image positioning. Be sure to connect the speakers and speaker cords correctly.

## **■** Connection of speaker terminals

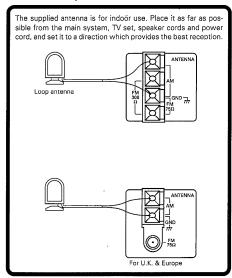


## **■ Setting the SPEAKER IMPEDANCE SELECTOR**

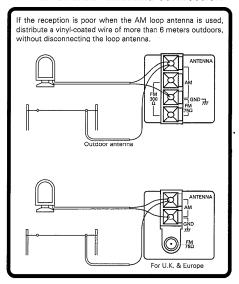


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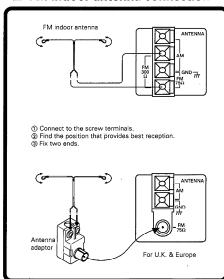
## ■ AM loop antenna connection



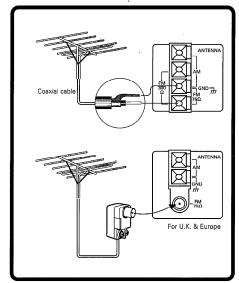
### ■ AM outdoor antenna connection



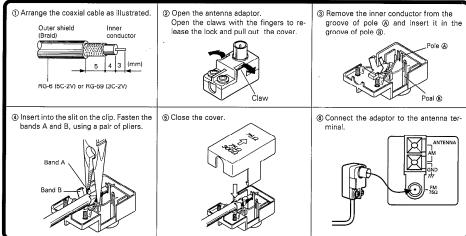
## **■** FM indoor antenna connection



## **■** FM outdoor antenna connection



## ■ 75 $\Omega$ coaxial cable connection (Europe and U.K. only)



### FM DE-EMPHASIS/CHANNEL SPACE switch (Except for some areas)

The FM DE-EMPHASIS/ CHANNEL SPACE switch on the rear panel is set to the correct setting that prevails in the area to which the unit is shipped. However, if the FM DE-EMPHASIS/ CHANNEL SPACE setting is not matched to the area where the unit is to be used; for instance, when you move from area 1 to area 2 or vice versa, desired reception of AM/ FM broadcasts is not expected. In this case, change the FM DE-EMPHASIS/ CHANNEL SPACE setting in accordance with the area corresponding to the table. The FM DE-EMPHASIS is switched over at the same time.

	Area	CHANNEL SPACE freq.	FM DE- EMPHASIS
1.	U.S.A., Canada and South American countries	FM: 100kHz AM: 10kHz	75 μs
2.	Other countries	FM: 50kHz AM: 9kHz	50 μs

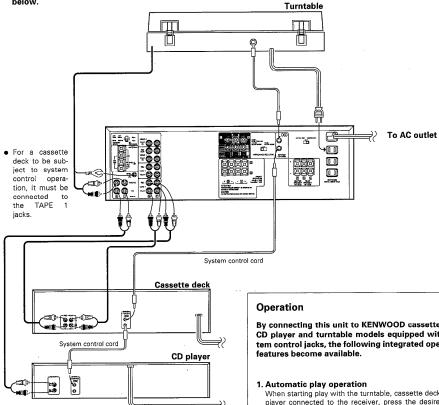
 When changing the setting of the FM DE-EMPHASIS/ CHANNEL SPACE switch, first disconnect the power cord, then reset the channel space switch, connect the power cord again, and turn the power on.

AM 9kHz	FM 50kHz	<b>A</b>	<b>A</b>	50µs
10kHz	100kHz	•	<b>▼</b>	75µs
SPAC			EM	PHASIS

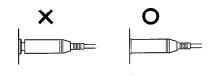
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## **■** Connection for system control operation

Using the system control cords provided with KENWOOD system component models, make connections as shown below.



## System control connection



- . Be sure to insert the system control cord plugs fully into the SYSTEM CONTROL terminals.
- . If the system control cord and audio cords are not connected properly, the automatic system governing remote control and system functions will not operate.

By connecting this unit to KENWOOD cassette deck, CD player and turntable models equipped with system control jacks, the following integrated operation

When starting play with the turntable, cassette deck, or CD player connected to the receiver, press the desired input selector keys on the receiver. The turntable, cassette deck, or CD player will automatically enter play mode.

In the same way, pressing the Play key of the turntable, cassette deck, or CD player will automatically switch the input selector on the receiver to the component on which the Play key is pressed.

#### 2. Synchro recording

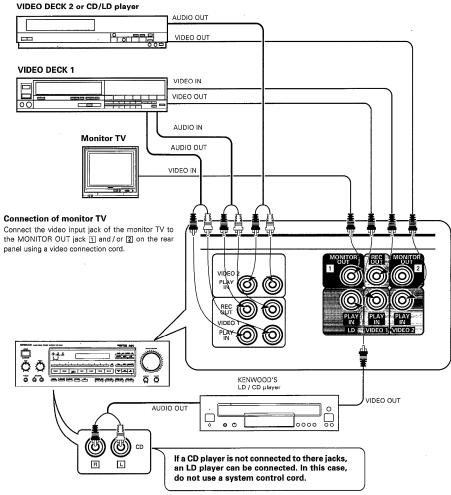
To record the sound from the CD player or turntable onto a tape with the cassette deck, press the CD or PHONO of the input selector keys and load a CD or record. Set the cassette deck to rec pause mode, then press the Play (start) key of the CD player or turntable. The cassette deck will start recording automatically, synchronized with the CD player or turntable starting play.

#### 3. Remote control

The remote control unit provided with this unit, to which a KENWOOD system turntable, cassette deck, or CD player is connected, is equipped with related control keys. The related components can be controlled using these keys.

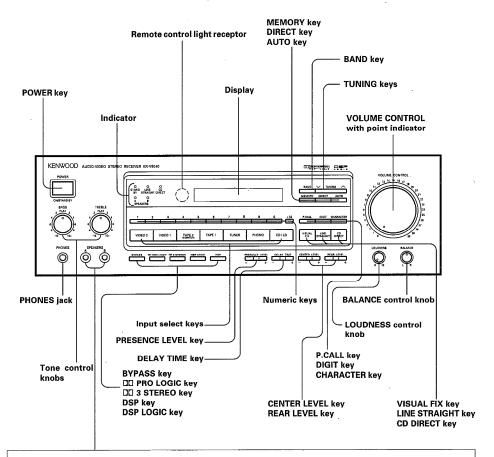
## **■** Connection of video components

For the connections and operations, also read carefully the instruction manuals supplied with the video components to be connected.



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## **Controls and indicators**



#### SPEAKERS A and B switches

A, B OFF — This position silences all speakers to permit private use of headphones.

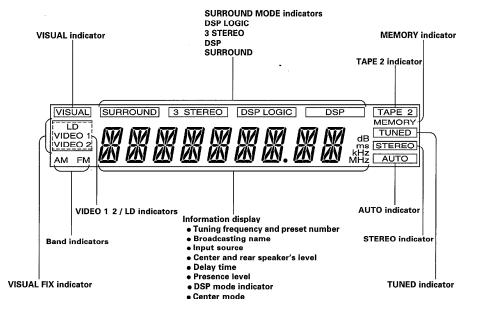
A ON — Activates speakers connected to the SPEAKERS A terminals on the rear panel.

**B ON** — Activates the speakers connected to the SPEAKERS B terminals on the rear panel.

A, B ON — Activates the speakers connected to the SPEAKERS A and B terminals simultaneously.

• If you press the DI PRO LOGIC key, DI 3 STEREO key, DSP LOGIC key or DSP key when both the A and B SPEAKERS switches are ON, the unit will automatically switch to A so that sound is heard only from the A speakers. Pressing the B key at this time will switch the sound so that it is heard from the B speakers only.

## Display



### STAND BY mode of POWER key

When the power cord of this system is plugged into an AC outlet, the STAND BY indicator lights up regardless of the ON / OFF setting of the POWER key. 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 STAND BY indicator is lit, the power of the system can be switched ON / OFF from the remote control unit.

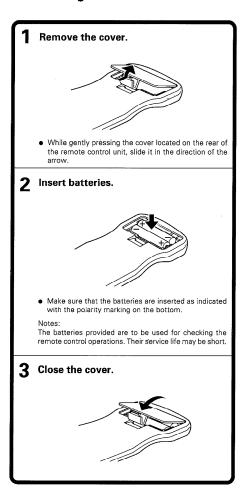
t to back up the ss the Stand By se power of the ote control unit.

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## **Remote control operation**

In addition to the remote control of the receiver unit, the provided remote control unit can control a KENWOOD cassette tape deck, CD player, turntable, graphic equalizer, etc., connected via the KENWOOD system control cords.

## ■ Loading batteries



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## Operating range of the remote control unit

The normal operating range may change depending on temperature, humidity, and other environmental conditions, but it is roughly specified as shown in the figure.

Remote control light receptor

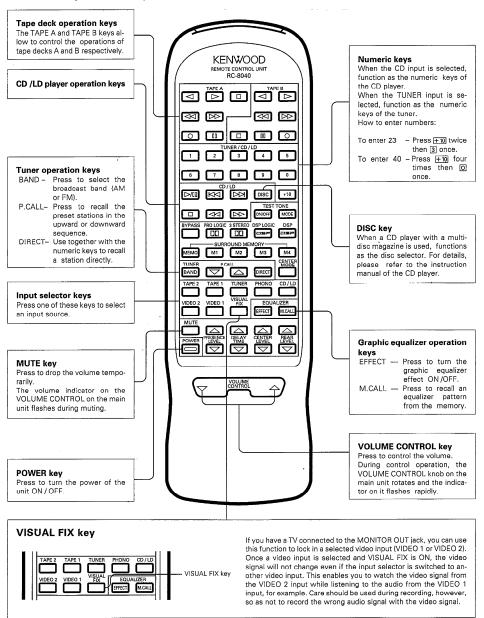
Approx. 6 m

Model: RC-8040 Infrared system

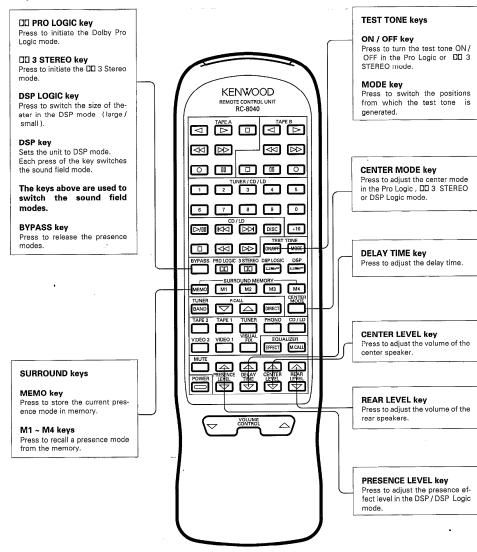
#### Note

- 1. If two or more remote control operation keys are to be pressed successively, press each key securely and leave an interval of more than 1 second between presses. Pressing a key immediately after pressing another key may cause malfunction.
- Malfunction may occur in case direct sunlight or the light of a high-frequency lighting fluorescent lamp enters the remote control light receptor. In such a case, change the installation position of the unit so that the malfunction does not occur.

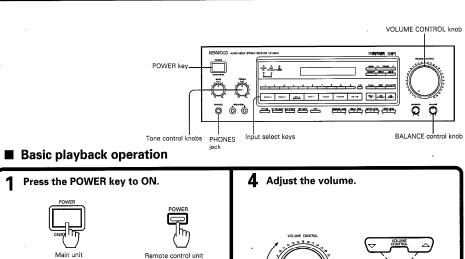
## ■ Basic operation keys



### Operation keys related to presence effects



## **Operating instructions**



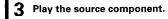
2 Select an input source.



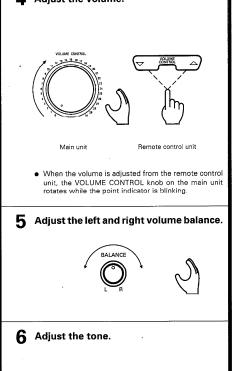
• The source name characters appear on the display.



 When the cassette deck, CD player and turntable are connected via the system control cord, any of these source components starts to be played automatically when the corresponding input select key is pressed.



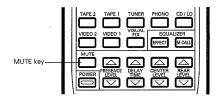
Source :Tuner CD / LD Tape etc.



Adjusts the low

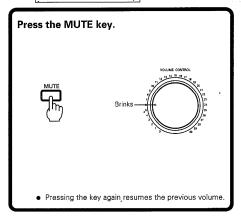
frequencies

Adjusts the high

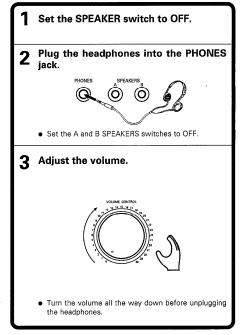


## ■ To mute the sound temporarily

Remote control unit only



## **■ Listening with headphones**



#### **LOUDNESS** control

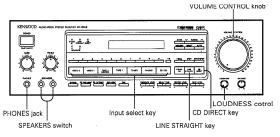
Listening at high volume allows to enjoy dynamic sound, but human ears tend to feel low frequencies insufficient when listening at low volume. When the VOLUME CONTROL is set to a low position, the insufficiency of low frequencies felt by human ears can be compensated by turning the LOUDNESS control clockwise.



 The effect of LOUDNESS control is less sensible if the VOLUME CONTROL is set to the center position or above

#### Notes:

- When TAPE 2 is ON, you cannot listen to the source selected by the input select keys. To listen to the selected source, set TAPE 2 to OFF.
- Even if the power cord is unplugged, the currently selected source is stored in memory for several days. After this period elapses, however, the source is automatically switched to TUNER.

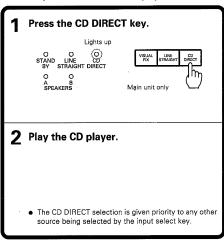


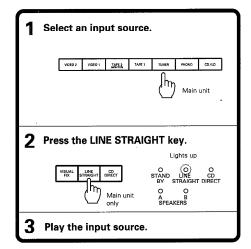
## ■ Operation of CD DIRECT play-

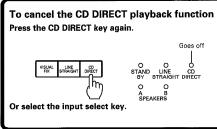
The digital sound of Compact Disc features an ideal reproduction characteristics, and the sound quality provided by CD can be reproduced with least degradation by means of the CD direct playback function.

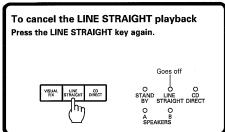
## **■** Operation of LINE STRAIGHT playback

This function lets you enjoy high-quality sound direct from the source.









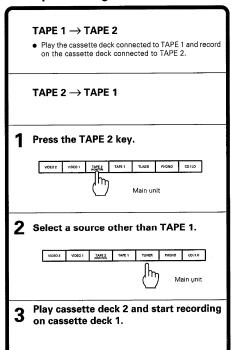
Or select the input select key.	TIX STRUCT ORIGIN	STAND LINE CD BY STRAIGHT DIRECT O O O A B SPEAKERS	
Notes: 1. During CD DIRECT or LINE STRAIGHT playback, the tone 2. If the DSP, DSP LOGIC, 3 STEREO or PRO LOGIC key cancelled.	controls do not function. is pressed,the CD DIRECT or LINE STRA	SIGHT playback function will be	
<ol> <li>During CD DIRECT or LINE STRAIGHT playback, the tone</li> <li>If the DSP, DSP LOGIC, 3 STEREO or PRO LOGIC key</li> </ol>	controls do not function. is pressed,the CD DIRECT or LINE STRA	SIGHT playback function will be KR-V8040 (En) <b>19</b>	
<ol> <li>During CD DIRECT or LINE STRAIGHT playback, the tone</li> <li>If the DSP, DSP LOGIC, 3 STEREO or PRO LOGIC key</li> </ol>	controls do not function. is pressed,the CD DIRECT or LINE STRA		

## **■** Ordinary tape recording

Select the source to be recorded.

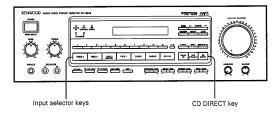
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## ■ Tape dubbing

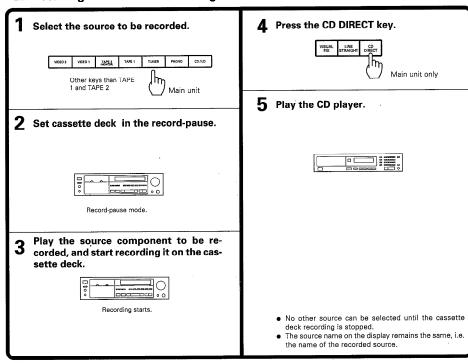


Note

For the tape-to-tape dubbing procedure using a double-deck type cassette deck, please read the instruction manual provided with the double-deck type cassette deck.



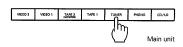
## ■ Listening to CD while recording another source



## Listening to a broadcast

## ■ Receiving broadcast stations and storing them in memory (preset operation)

## 1 Select the TUNER input with the input selector.



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- Previous reception mode is resumed.
- Pressing the BAND key also set the unit to tuner mode.

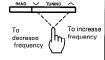
## 2 Select the broadcast band (FM, AM).



 Each time the BAND key is pressed, the reception band changes between FM and AM.

## 4 Tune a desired station.





- Main unit only
- The TUNED indicator lights up when a station is received.
- When the TUNING UP key is pressed, the frequency increases.
- When the TUNING DOWN key is pressed, the frequency decreases.
- Use manual tuning mode in case the radio wave is weak and noisy. At this time, the stereo FM broadcast is received in monaural mode.

#### Auto tuning mode

Press once. (Tuning stops automatically when a station is received.)

#### Manual tuning mode

Press repeatedly, or press and hold, until the station is received.

## 3 Enter the AUTO tuning mode.





Main unit only

 The indicator goes on (auto) and off (manual) alternately every time the key is pressed. Normally, select the auto tuning mode.

When AUTO is ON: The stereo / monaural is switched automatically according to the station

When AUTO is OFF: Monaural reception is forced. Set to this position when receiving stations with weak waves.

## 5 Store the stations in preset memory.

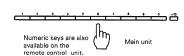
### ① Press the MEMORY key. Main unit only





- MEMORY indicator lights up for about 5 seconds.

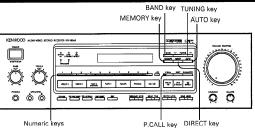
  Proceed the step 2 while the MEMORY indicator is lighted.
- 2 Press the numeric keys to preset the station.



#### Examples

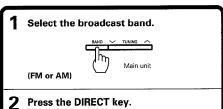
To select preset No. 03, 3
To select preset No. 10, +10, 0
To select preset No. 20, +10, +10 .0

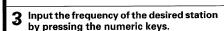
- A total of 20 stations can be preset in memory regardless of their broadcast bands.
- If a station has been preset under the numeric key pressed, the previous preset content is replaced by the new station.
- Repeat step 2 to 5 above for each of other stations to be preset.

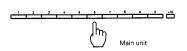


## ■ Direct tuning of radio stations

If you know the frequency of the desired station, it can be received directly by inputting the frequency using the numeric keys.







#### Example of input

Desired

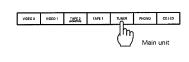
\$	tation				nı	umo	eri	c k	eys	_	
FM	90 MHz	9,	0,	0					(100	kHz	space)
		9,	Ò,	0,	0						space)
FM	102.5 MH:	z 11,	O,	2,	5	-					space)
		1,	Ο,	2,	5,	0					space)
AM	810 kHz	8,	1,	0							space)
		8,	1								space)
AM	1260 kHz	1,	2,	6,	0						space)
		1,	2,	6			-		(10	kḤz	space)

Order of pressing

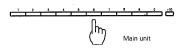
 If you commit a mistake in the input of numeric keys, re-start the input from the beginning.

## ■ Receiving a preset station

1 Select the TUNER input with the input selector.



**2** Select the desired station.



Press the numeric key under which the station is preset.

Example

To select preset No. 15, press the +10 key once, then the 5 key once

- The frequency of the station received will be displayed.
- Listening to all preset stations in sequence: PRESET CALL

#### Press the P.CALL key.



Preset stations are received in order of 1, 2, 3...20 every time the key on the main unit is pressed.

With the key on the remote control unit, preset stations are received in order of 1, 2,... every time the 🖾 key is pressed, or in order of 20, 19... every time the 🗇 key is pressed.

Holding one of these keys pressed recalls the preset stations in sequence at 0.5-second intervals. When the key is released, the current preset station is received.

## **■** Entry and display of station names

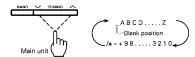
Station names composed of up to four digits of characters and / or symbols can be displayed on the display. Example: To receive FM 98.80 MHz, input its name with characters "CBE", and preset them under numeric key 3 .

1 Initiate the character entry mode.



Receive the frequency of the desired station and initiate the character entry mode.

- 2 Select the characters to be displayed with that station.
  - 1 Display the desired character.



② Establish the selection.

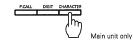


Types of characters that can be input

After having pressed the CHARACTER key, press the TUNING key to display the characters available.

- ③ Repeat steps ① and ② until all of the required characters have been input.
- To select "C", press the UP segment three times.
- To insert a space, simply press the DIGIT key.

3 End the character input.



- The character input also terminates automatically when fourth character has been input.
- Press the CHARACTER key to terminate character input with three characters or less.
- 4. Preset them under key 3.
  - ① Press the MEMORY key.





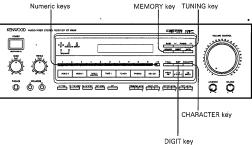
MEMORY indicator lights up for about 5 seconds

- Proceed the step 2 while the MEMORY indicator is lighted.
- ② Press the numeric key 3 .



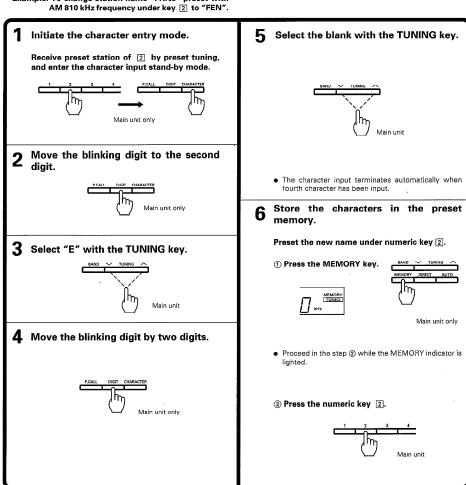
#### Last channel memory

When the band selector is switched or when the input selector is switched from another source to TUNER, the last received station is recalled for each of FM, AM when the power is switched ON.



## **■** Changing a station name

Example: To change station name "FHN8" preset with AM 810 kHz frequency under key ② to "FEN".



## Presence

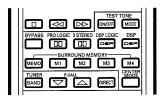
#### Surround effect

The powerful feeling of enveloping sound experienced in places such as movie theaters, concert halls, and baseball stadiums is due to the fact that sound comes from not only in front but also from the periphery. To reproduce this type of feeling, this unit incorporates three types of surround decoders which are selected according to the playback source. Moreover, each presence mode employs a dedicated DSP (digital signal processor), making it possible to create a dynamic sound space without losing sound quality. To extract the maximum surround effect, read this instruction manual thoroughly and adjust the system to match the configuration of your listenling room.

#### Related key



Main unit



Remote control unit

#### Presence

#### **Dolby PRO LOGIC Surround**

Videotapes and laserdiscs which bear the D□locursumouse mark are recorded with the same Dolby surround data used in movie theaters. Since this unit incorporates a Dolby PRO LOGIC surround decoder using a dedicated DSP, you can enjoy the same acoustic effects experienced in movie theaters in the comfort of your own home.

#### **Dolby 3 STEREO**

When the left and right speakers are positioned far apart from each other, the sound image positioning of the center speaker deteriorates. To improve the positioning of center sound image, use Dolby 3 STEREO mode.

#### DSP Presence

When playing a source such as a CD, tape, or tuner, processing the signals with high-quality digital processing provides added sound enjoyment. To create the perfect sound field for each source, this unit uses a 15-bit A/D converter to convert analog signals into digital signals, and uses a DSP to create initial reflected sound and echoes.

#### DSP LOGIC Presence

Allows to enjoy the atmosphere of a movie theater in one of two sizes; LARGE THEATER or SMALL THEATER.

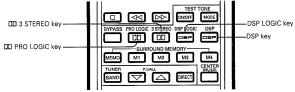
Manufactured under license from Dolby Laboratories Licensing Corporation. Additionally licensed under one or more of the following patents: U.S. numbers 3,632,886, 3,746,792 and 3,959,590; Canadian numbers 1,004,603 and 1,037,877.

"Dolby" and the double-D symbol □□ are trademarks of Dolby Laboratories Licensing Corporation.

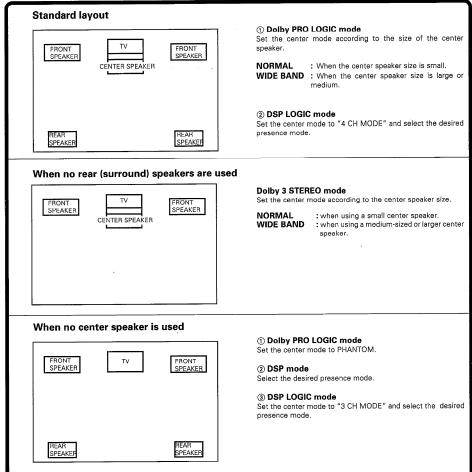
#### **DSP (Digital Signal Processor)**

The DSP system converts the reverberation components which enhance the presence effects into digital signals, and provides various presence effects without spoiling the quality of music sources.





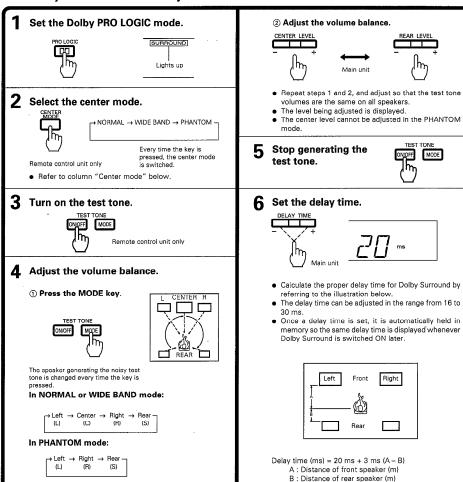
## **■** Speaker positioning



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## **Operation of Dolby PRO LOGIC playback**

## ■ Dolby PRO LOGIC field adjustment



#### Center mode

Select one of the following center modes according to the type of the presence speakers in your system.

NORMAL : Use this mode with a center speaker of a compact size.

WIDE BAND: Use this mode wit a center speaker of a medium or larger size.

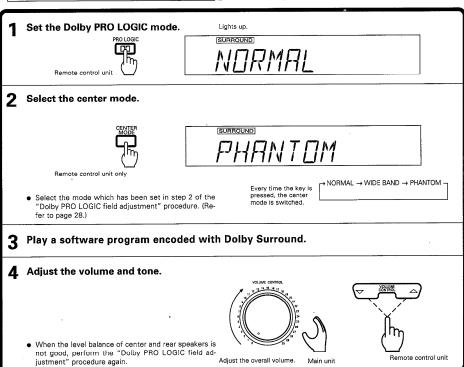
 If you cannot identify whether your center speaker is of the medium or compact size, try both the NORMAL and WIDE BAND mode and use the one that can provide better sound positioning.

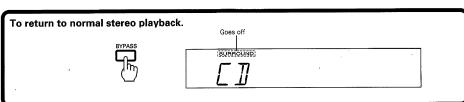
PHANTOM: Use this mode when the center speaker is not used.

 Even without the center speaker, the signal is processed in a simulated manner to ensure proper center image positioning and provide the enjoyment of Dolby Surround.



Every time the key is pressed, the center mode is switched.



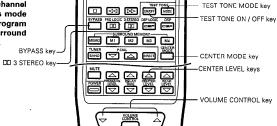


1.

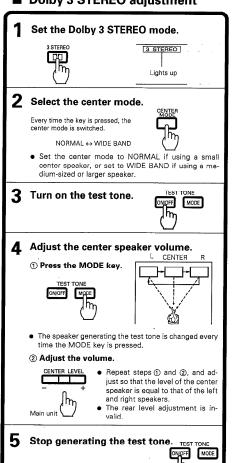
		** ***	
	•		
DID PRO LOGIC key  BYPASS keys  Operation of Dolby PRO LOGIC playback  This function allows to enjoy a similar Dolby Surround  ffect to movie theaters from video software pro-  trams carrying the Dolby PRO LOGIC mode, be sure to perform the "Dolby PRO LOGIC field adjust- ment" procedure.	TUNER P.CALL  BAND COMPANY  MUTE PRESENCE DELAY  FOWER PRESENCE DELAY  TOWER PRESENCE DELAY  TOWER PRESENCE DELAY  TOWER PRESENCE DELAY  TOWER P.CALL  BAND COMPANY  PRESENCE DELAY  TOWER P.CALL  BAND COMPANY  PRESENCE DELAY  TOWER P.CALL  BAND COMPANY  TOWER P.CALL  T	DSP LOGIC DSP CENTER MODE	EST TONE keys ENTER MODE keys
Set the Dolby PRO LOGIC mode.  PRO LOGIC  SURR  Remote control unit	S UP.		
Select the center mode.			
	Every time the key is pressed, the center mode is switched.	NORMAL → WIDE BAND	→ PHANTOM –
Play a software program encoded with Do	olby Surround.		·
Adjust the volume and tone.      When the level balance of center and rear speakers is not good, perform the "Dolby PRO LOGIC field adjustment" procedure again.  Adjust	WOLLIME CONTROL  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	unit Rem	ote control unit
To return to normal stereo playback.			
BYPASS SUBBR			
			KR-V8040 (En) <b>29</b>
	<u> </u>	<u>.</u>	

## **Dolby 3 STEREO Mode**

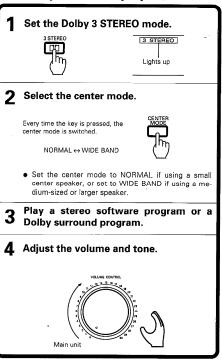
The Dolby 3 STEREO provides a active center channel to produce a better, stable center image. This mode can be used when listening to stereo video program and music or when surround listening or surround system set-up is not possible.



## ■ Dolby 3 STEREO adjustment



## ■ Dolby 3 STEREO playback





30 KR-V8040 (En)

Press the key again.

## **DSP / DSP LOGIC Presence**

The DSP (Digital Signal Processor) allows to reproduce the atmospheres of various sound fields. By applying additional adjustments, a custom presence effect of yourself can also be created.

① DSP presence modes......ARENA, JAZZ CLUB, STADIUM, DISCOTHEQUE

② DSP Logic presence modes ... LARGE THEATER, SMALL THEATER

Satisfactory effect can be enjoyed by selecting one of the presence modes by referring to the table below. Additionally, the parameters shown in the table can also be adjusted according to your liking.

Presence level : Variable in the range from - 20 to 0 dB.

Delay time Rear level

; Variable in the range from 1 to 50 ms.

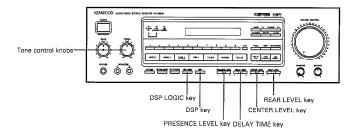
Center level

: Variable in the range from - 40 to 0 dB. : Variable in the range from - 40 to 0 dB.

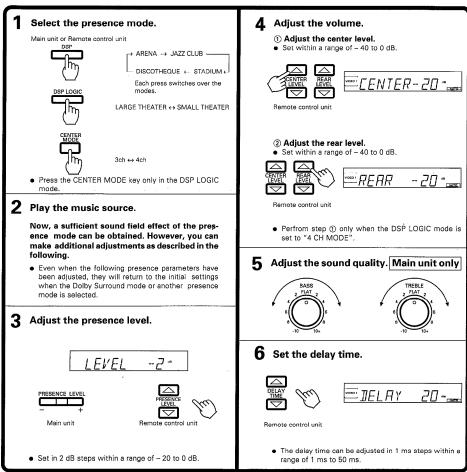
	Initial setting values Variable setting values		tting values				
Presence mode	CHANNEL MODE	DELAY TIME	PRESENCE LEVEL	CENTER LEVEL	REAR LAVEL	CENTER LEVEL	REAR LEVEL
ARENA	*	10 ms	– 12 dB	*	– 10 dB	*	- 40 dB~ 0 dE
JAZZ CLUB	*	15 ms	– 12 dB	*	– 10 dB	*	- 40 dB~ 0 dE
STADIUM	*	25 ms	- 8 dB	*	– 10 dB	*	40 dB~ 0 dE
DISCOTHEQUE	*	16 ms	- 8 dB	*	– 10 dB	*	- 40 dB~ 0 dE
LARGE THEATER	3ch	30 ms	- 8 dB	*	– 10 dB	*	- 40 dB~ 0 di
LARGE THEATER	4ch	30 ms	– 8 dB	– 10 dB	– 10 dB	- 40 dB~ 0 dB	- 40 dB~ 0 dE
	3ch	15 ms	- 16 dB	*	10 dB	*	- 40 dB~ 0 dE
SMALL THEATER	4ch	15 ms	– 16 dB	– 10 dB	- 10 dB	- 40 dB~ 0 dB	- 40 dB~ 0 dl

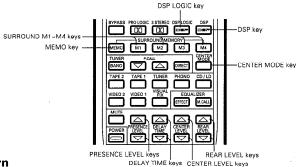
RENA A hall where high frequencies are reflected very well and reverberations are long.
AZZ CLUB A live house of jazz where cymbals sounds well.
TADIUM A stadium with reflections proper to PA speakers.
DISCOTHEQUE A disco where medium-frequency range is enhanced by comfortable reverberations.
ARGE THEATER Reproduces a surround sound proper to a large movie theater.
SMALL THEATER Reproduces the sound field of a small movie theater or hall.

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## ■ Creating a DSP sound field





## ■ Store a presence pattern

1 Select or create the presence pattern to be stored.

• BYPASS cannot be stored.

2 Press the MEMO key.

• The unit enters storing standby mode.

3 Press the M1 ~ M4 key.

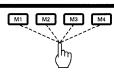
MEMORY

M

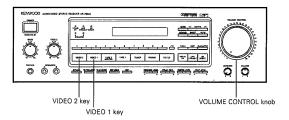
## ■ Listening using a presence pattern

• Set to M1~M4.

To recall a pattern from the Surround memory, Press one of the M1 to M4 keys to recall a pattern directly from the Surround memory.



## **Operation of video components**

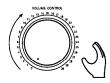


### ■ Playback of videotape

- 1 Switch the power of the monitor TV ON.
- 2 Press the VIDEO 1 key.



- When an input selector key other than VIDEO 1, or 2 is pressed, the audio input of the selected source will be played in place of the audio input from VIDEO 1.
- 3 Play the VCR.
- 4 Adjust the volume.



## ■ Recording of video source

1 Connect the video equipment.

Connect the video equipment for use in audio / video recording to the VIDEO 2 jacks.

- A video player deck, video camera, LD player, DBS tuner, etc., can be connected.
- 2 Press the VIDEO 2 or CD / LD key.



- Main unit
- Press the CD/LD key when it is required to play the audio of the LD player.
- When an input selector key other than VIDEO 1or 2 is pressed, the audio input of the selected source will be played in place of the audio input from VIDEO 2.
- 3 Play the video source component.
- 4 Put the VCR in the record mode.



## 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.

Remote control unit

Symptom	Cause	Remedy
Remote control operation is not possible.	Batteries are exhausted. The audio cords and the system control cords are not connected properly. The remote control unit is too far away from the main system, controlling angle is too large, or there is an obstacle in	Replace with new batteries. Connect properly referring to "System connections". Operate the remote control unit within the controllable range.
	between.  The source component to be operated does not contain the analog disc, tape(s) or CD.  An attempt is made to play a tape which is being recorded in the cassette deck.	Place an analog disk, tape(s) or CD in the source component to be played.  Wait until the recording is completed.

#### Amplifier, speakers

Symptom	Cause	Remedy
Sound is not output.	The volume is set to the minimum position. The MUTING key is set to ON and the point indicator is blinking.	Connect them properly referring to "System connections". Adjust the volume to a proper level. Press the MUTING key to OFF.
No sound comes out, and "PROTECT" is shown on the display.	Speaker cords are short-circuited.	Turn the power off, eliminate the short- circuiting, then turn on the power again.
Sound is not output from one of the speakers.	The speaker cord is disconnected.  The BALANCE control is set to an extreme position.	Connect it properly referring to "System connections".     Adjust the Left / Right balance.
Sound is not output from the surround rear speaker and / or center speaker, or their sound is very small.	The rear speaker cords and/or contor speaker cord are disconnected. The presence mode has not been engaged. The REAR LEVEL and/or CENTER LEVEL controls are set to the minimum level.	Connect them properly referring to "System connections".  Set the presence mode.  Adjust the REAR LEVEL and CENTER LEVEL controls.
A hum noise is generated when the PHONO input select key is pressed.	The audio cord from the turntable is not inserted securely into the PHONO jacks.  The turntable is not grounded.	Insert the audio cord plugs securely into the PHONO jacks.     Connect the grounding wire to the GND terminal on the rear panel.

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## In case of difficulty

#### Tuner

Symptom	Cause	Remedy
Radio stations cannot be received.	No antenna is connected. The broadcast band is not set properly. The frequency of the desired station is not tuned.	Connect an antenna. Set the broadcast band properly. Tune the frequency of the desired station.
A station which was preset cannot be received by pressing the corresponding numeric key.	The preset station belongs to a frequency that cannot be received. The preset memory was cleared because the power cord had been unplugged for a long period of time.	Preset a station with a receivable frequency.     Preset the station again.
Interference.	Noise due to ignition noise of an automobile.  Noise due to an influence from an electric appliance. Noise due to a nearby TV set.	Install the outdoor antenna apart from the road. Turn off the power of the appliance.  Install the system more apart from the TV set.

- Notes:

  1. This system 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.

  2. 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.

## For the U.S.A. FCC WARNING

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

## NOTE:

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

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

### For 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 cable grounding shall be connected to the ground system of the building, as close to the point of cable entry as practical.

## **Specifications**

 $\ensuremath{\Delta}\mbox{\sc Caution:Read}$  this page carefully to ensure safe operation.

#### (For U.S.A. and Canada)

Audio section

Rated power output at the STEREO operation

100 watts per channel minimum RMS, both channels driven at 8  $\Omega$ , from 20 Hz to 20,000 Hz with no more than 0.06% total harmonic distortions. (FTC)

Power output at the Surround operation
Front (1 kHz, 0.9% T.H.D. at 8 Ω) 65 W + 65 W
Center (1 kHz, 0.9% T.H.D. at 8 Ω)
Center (1 kHz, 0.9% T.H.D. at 8 Ω)
Total harmonic distortion (1 kHz, 8 Ω) 0.03% at 50 W
Frequency response
LINE 10 Hz~50 kHz, +0 dB, - 3 dB
Signal to noise ratio (IHF'66)
PHONO (MM)
CD, TAPE, VIDEO 100 dB for 200 mV input Input sensitivity / impedance
PHONO (MM) 2.5 mV / 47 kΩ
CD, TAPE, VIDEO
Tone controls
BASS ±10 dB (at 100 Hz)
TREBLE ±10 dB (at 10 kHz)
Loudness control at - 30 dB VOLUME level
0 ~ + 8 dB (100 Hz)
Video section
VIDEO inputs / outputs
(Composite) 1 Vp - p / 75 Ω
FM Tuner section
Tuning frequency range 87.5 MHz~108 MHz
Sensitivity (IHF) 07.5 WHZ~ 106 WHZ
50 dB quieting sensitivity
MONO 16.2 dBf (3.5 μV at 75 Ω)
MONO
Total harmonic distortion at 1 kHz
MONO 0.3%
STEREO 0.5% Signal to noise ratio at 65 dBf (IHF)
Signal to noise ratio at 65 dBf (IHF)
MONO 79 dB
STEREO
Selectivity (IHF ±400 kHz)
Frequency response 30 Hz~15 kHz, +0.5 dB,- 2.0 dB
requestry response 30 Hz~15 kHz, +0.5 db,= 2.0 db
AM Tuner section
Tuning frequency range 530 kHz~1,700 (or 1,610) kHz
Usable sensitivity 15 μV / (400 μV / m)
Total harmonic distortion 0.6 %
Signal to noise ratio 48 dB
Selectivity 30 dB
[Co]
General
Power consumption 2 A
Power consumption
Weight (net) 11 kg

### (For the United Kingdom)

### Audio section

Rated power output at 1kHz, 8 Ω (DIN) 120 W + 120 W
Power output at the Surround operation
Front (1 kHz, 0.9% at 8 Q)
Center (1 kHz, 0.9% at 8 Ω) 70 W
Rear (1 kHz, 0.9% at 8 Ω) 15 W + 15 W
Total harmonic distortion (1 kHz, 8 $\Omega$ ) 0.03% at 50 W
Frequency response
LINE 10 Hz ~ 50 kHz, + 0 dB, -3 dB
Signal to noise ratio PHONO (MM) 56 dB (DIN, 50 mW output)
CD, TAPE, VIDEO 57 dB (DIN, 50 mW output)
Input sensitivity / impedance
PHONO (MM) 2.5 mV / 47 kΩ
CD, TAPE, VIDEO 200 mV / 47kΩ
Tone controls
BASS ±10 dB (at 100 Hz)
TREBLE ±10 dB (at 10 kHz)
Loudness control at 30 dB VOLUME level
0 ~ + 8 dB (100 Hz)
Video section
Video section
VIDEO inputs / outputs
VIDEO inputs / outputs (Composite) 1 Vp-p / 75 Ω
FM Tuner section
Tuning fraguency rongs 07 E BELL 100 BELL
Tuning frequency range 87.5 MHz~108 MHz Usable sensitivity (DIN at 75 Ω)
MONO 1.1 μV
STEREO
Total harmonic distortion at 1 kHz (DIN)
MONO 0.15%
STEREO 0.4%
Signal to noise ratio (DIN weighted at 1 kHz)
MONO
Selectivity (DIN ± 300 kHz)
Stereo separation (DIN)
1 kHz 40 dB
6.3 kHz 33 dB
Frequency response 30 Hz~15 kHz, + 0.5 dB,- 2.0 dB
AMT
AM Tuner section
Tuning frequency range 531 kHz ~1,602 kHz
Usable sensitivity 15 uV / (440 uV / m)
Total harmonic distortion
Signal to noise ratio (at 30 % mod. 1mV imput) 48 dB
Selectivity 30 dB
General
General
Power consumption 240 W (IEC)
dimensions 440 (W) × 147 (H) × 400 (D) mm
Weight (net) 11 kg

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



## (For other countries)

Audio section
Rated power output at the STEREO operation
(IHF '66) from 20 Hz to 20 kHz
0.06% T.H.D., at 8 Ω 110 W + 110 W
Power output at the Surround operation
Front (1 kHz, 0.9% T.H.D. at 8 $\Omega$ ) 70 W + 70 W Center (1 kHz, 0.9% T.H.D. at 8 $\Omega$ ) 70 W
Center (1 kHz, 0.9% T.H.D. at 8 Ω)
Rear (1 kHz, 0.9% T.H.D. at 8 Ω) 15 W + 15 W
Total harmonic distortion (1 kHz, 8 Ω) 0.03% at 60 W
Frequency response
LINE 10 Hz ~ 50 kHz, + 0 dB, - 3 dB
Signal to noise ratio (IHF'66)
PHONO (MM) 78 dB for 5 mV input
CD, TAPE, VIDEO 100 dB for 200 mV input
Input sensitivity / impedance
PHONO (MM)
CD, TAPE, VIDEO 200 mV / 47kΩ
Tone controls
BASS ±10 dB (at 100 Hz)
TREBLE ±10 dB (at 10 kHz) Loudness control at 30 dB VOLUME level
0 ~ + 8 dB (100 Hz)
Video section
video section
VIDEO imputo / autouto
VIDEO inputs / outputs (Composite) 1 Vp – p / 75 Ω
(Composite) 1 Vp - p / /5 Ω
FM Tuner section
Tuning frequency range 87.5 MHz~108 MHz
Sensitivity (IHF) 10.8 dBf (0.95 μV at 75 Ω)
50 dB quieting sensitivity
MONO
MONO
Total harmonic distortion at 1 kHz
MONO 0.3%
STEREO
Signal to noise ratio at 65 dBf (IHF)
MONO 79 dB
STEREO 73 dB
Selectivity (IHF ± 400 kHz)53 dB
Stereo separation (IHF at 1 kHz) 45 dB
Frequency response . 30 Hz-15 kHz, + 0.5 dB,- 2.0 dB
AM Tuner section
AW Tuner section
Tuning frequency range
9kHz 531 kHz ~ 1,602 kHz
10kHz 530 kHz ~ 1,610 kHz
Usable sensitivity
Fotal harmonic distortion 0.6 % Signal to noise ratio
Selectivity
30 dB
General
Power consumption 240 W (IFC)
Power consumption 240 W (IEC) dimensions 440 (W) $\times$ 147 (H) $\times$ 400 (D) mm

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