

AUDIO VIDEO SURROUND RECEIVER

KR-X1000 KR-X1000(G)

INSTRUCTION MANUAL

KENWOOD CORPORATION

Manufactured under license from Lucasfilm Ltd. U.S. patent numbers 5,043,970; 5,189,703; and 5,222,059. Foreign patents pending. Lucasfilm and THX are registered trademarks of Lucasfilm Ltd.

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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.

Accessories

FM indoor antenna (1)	Antenna adaptor (1)	AM loop antenna (1)	Loop antenna stand (1)
Remote control unit (1)) Batteries	(R6/AA) (2)	*AC plug adaptor (1)
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Use to adapt the plug on the power cord to the shape of the wall outlet. (Accessory only for regions where use is neccissary.)

KR-X1000 (En)

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Units are designed for operation as follows.

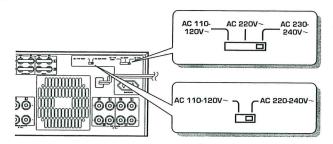
U.S.A., Mexico and CanadaAC 120 V only AustraliaAC 240 V only

*Other countriesAC 110-120/220-240 V switchable

*AC voltage selection

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

AC voltage selector switch



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

Note:

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

Safety precautions

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







CAUTION: 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.

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

Special features

HOME THX CINEMA

This is a surround reproduction system developed for smaller spaces with the theme of "an uncompromising home cinema experience". Video software bearing the DOLEY SURROUND logo can be played directly through this system. The THX CINEMA system provides an overwhelming feeling of presence through signal processing based on a unique theory. Use a speaker system with THX logo approved by Lucas Arts Entertainment Company (6-speaker configuration) for the surround reproduction in this mode.

DOLBY PRO LOGIC & DOLBY 3 STEREO

The surround system reproduces video software program carrying the \(\sum_{\text{DOLBY SURROUND}} \) mark with similar acoustic effects to movie theaters.

The DOLBY PRO LOGIC mode controls the audio signals of the Front Left/Right, Center and Rear surround channels using the built-in directivity enhancer circuit to reproduce the feeling of realistic sound motion. The DOLBY 3 STEREO mode can reproduce the location of sound even when only the front and center speakers are used, by providing proper acoustic position using the directivity enhancer circuit.

DSP LOGIC

This mode adds presence sound components obtained from the DSP (Digital Signal Processor) to the signals output from the DOLBY PRO LOGIC (Left, Center, Right and Surround channels), allowing movie software programs to be played with a similar feeling of presence to movie theaters in a listening room at home.

MONO

Use this mode when watching old movies, etc., that have a monaural audio sound track. The audio is heard from the center speaker only. If HOME THX CINEMA, DOLBY PRO LOGIC or DSP LOGIC is set to the PHANTOM mode which does not use the center speaker, the left and right main speakers output monaural audio

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System connection

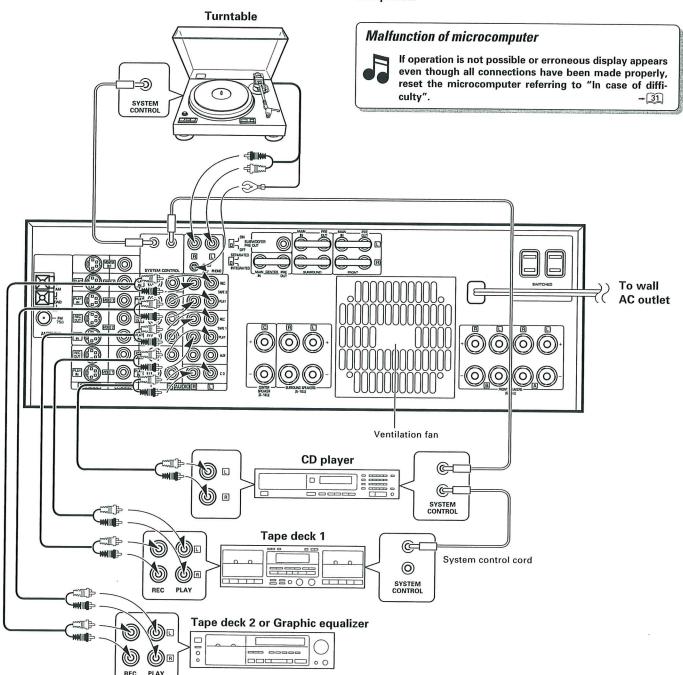
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Connection of Audio components

Make connections 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.



A side panel is included with the KR-X1000 (G).

Ventilation fan

The fan rotates when the internal temperature rises. To allow the ventilation, install the component by reserving a certain distance between its rear and the wall.

Automatic operation

If you connect other KENWOOD components (i.e. a cassette deck or CD player) to this unit's SYSTEM CONTROL, this unit's input selector will automatically switch to that component when you start playback from it. This also works when you use the remote control. (Automatic operation is not possible with Tape deck 2 or Video machines.)

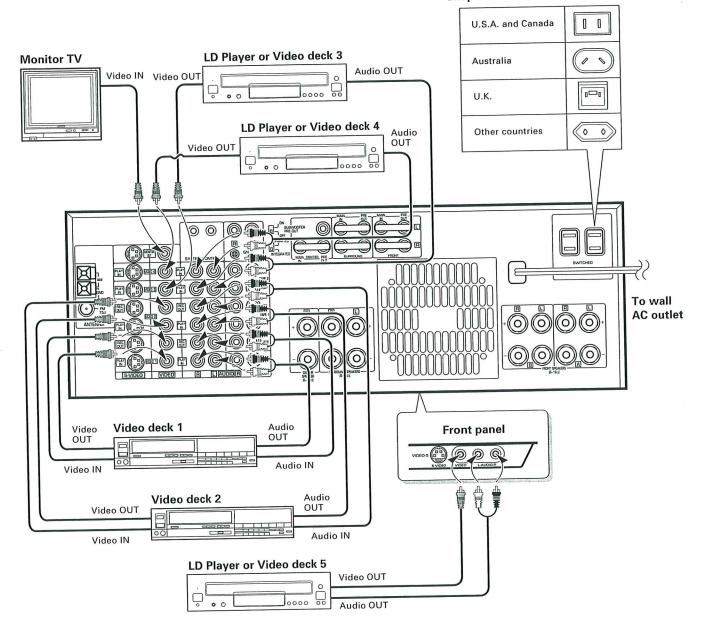
Connection of Video components

Make connections 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.

Shape of AC outlets



A side panel is included with the KR-X1000 (G).

• This unit has a cooling fan on the rear panel. Do not place anything near the cooling fan.



- 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.
- 3 Do not connect up a power source which is larger than that indicated on the socket at the rear of the unit.
- 4 Insert the system control plugs completely into the jacks.
- 5. If the system control cords or audio cords are not connected properly, the remote control or automatic operation between system components will not work properly.



Connection with an external amplifier

Speakers cannot output sufficient sound level even when they are connected directly to the PRE OUT jacks. These jacks should be connected to speakers containing an amplifier or to amplifiers to which speakers are connected. Also read carefully the instruction manual of the amplifier to be used.

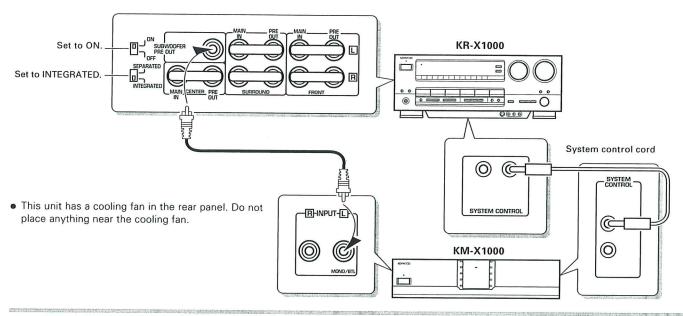
In case your system does not use an external amplifier, set the POWER switch to OFF, attach all of the shorting plugs to the original positions, set the SUBWOOFER switch to OFF and the INTEGRATED/SEPARATED switch to INTEGRATED.



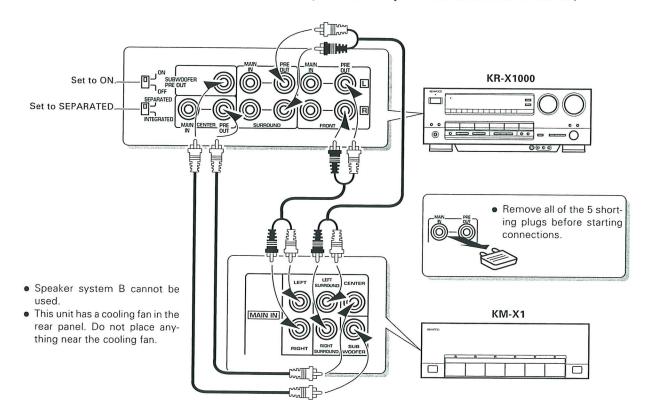
Caution in connection with an external amplifier

After switching the POWER switch of the amplifier OFF, set the SUBWOOFER and INTEGRATED/SEPARATED switches on the rear panel of this unit, make all of the required connections then switch the amplifier's POWER switch ON.

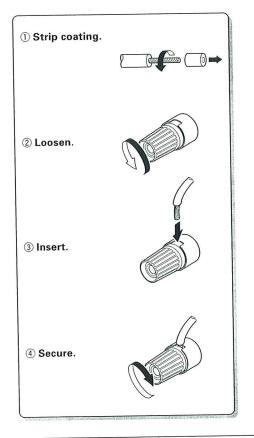
Connection with a subwoofer amplifier (optional) (Example: Connection with the KM-X1000)

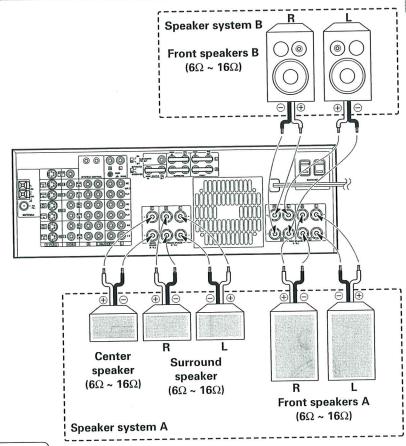


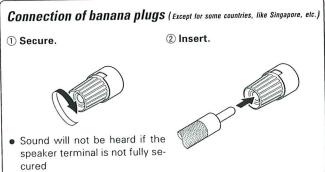
Connection with a multi-channel main amplifier (optional) (Example: Connection with the KM-X1)



Connection of speakers





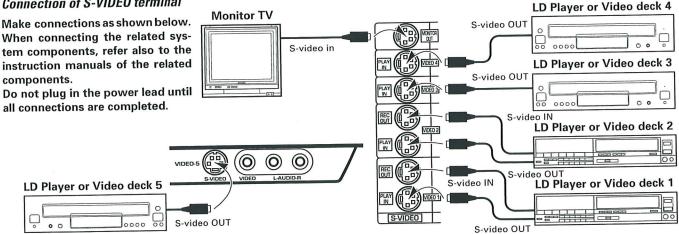


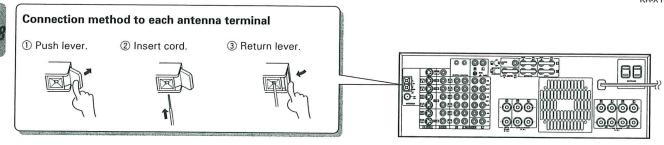
- Never short-circuit the + and speaker cords.
- If the left and right speakers are connected inversely or if the speaker cords are connected with reversed polarity, the sound becomes unnatural with ambigous acoustic image positioning. Be sure to connect the speakers and speaker cords correctly.
- Speaker system B can be used only in STEREO or LINE STRAIGHT mode. In addition, speaker system B is defeated while the INTE-GRATED/SEPARATED switch is set to SEPARATED.
- The SPEAKERS A/B key allows to switch each speaker system independently ON/OFF.

Connection of S-VIDEO terminal

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

all connections are completed.





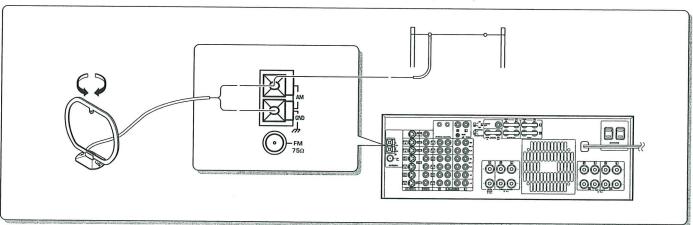
Connection of AM antenna

AM loop antenna connection

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

AM outdoor antenna connection

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



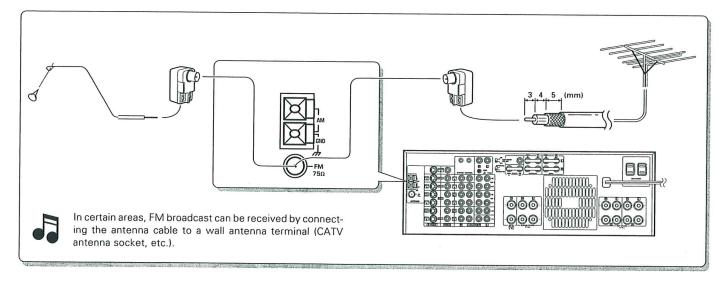
Connection of FM antenna

FM indoor antenna connection

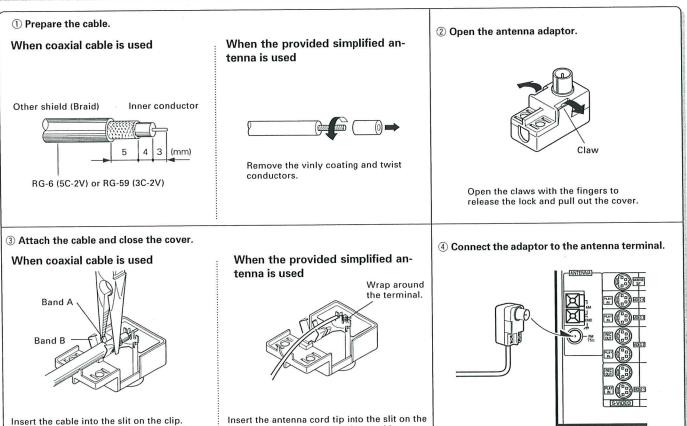
The accessory antenna is for temporary indoor use only. For stable signal reception we recommend using an outdoor antenna. Remove the indoor antenna if you connect one outdoors.

FM outdoor antenna connection

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



Connection of antenna adaptor



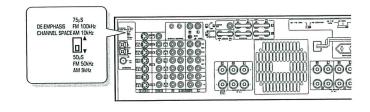
hardware and wrap the cord around it.

FM DE-EMPHASIS / CHANNEL SPACE switch (Except for U.S.A., Canada and Australia)

Fasten bands A and B using a pair of pliers.

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 moved 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.

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



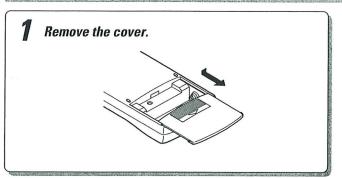
Area		CHANNEL SPACE freq.	FM DE- EMPHASIS
1	U.S.A., Canada, Hawaii, South American countries	FM: 100kHz AM: 10kHz	75 μs
2	Other countries	FM: 50kHz AM: 9kHz	50 μs

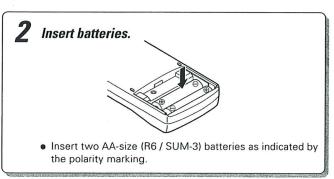
Operation of remote control unit

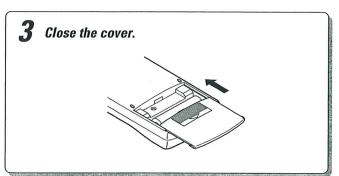
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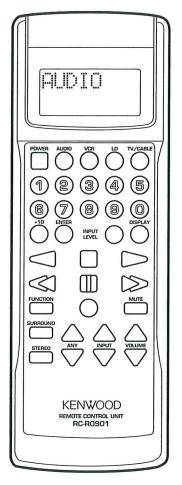
10

Loading batteries





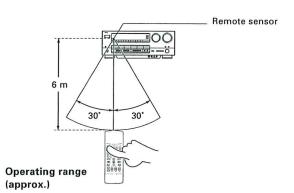




Model: RC-R0901 Infrared ray system

Operation procedure

Plug the power cord of the system into an AC wall outlet, and press the POWER key on the remote control unit to turn the power on. When the power is turned on, press the key of the source component to be operated.



- When two operation keys on the remote control unit are pressed successively, press each key securely reserving an interval of more than 1 second for each press.
- Components connected via the system control cords, such as the CD player, can also be remote-controlled. In this case, please read the instruction manual supplied with your CD player.
- When the batteries are exhausted and replacement becomes necessary, replace them with alkaline batteries (LR6).



- 1. The supplied batteries are intended for use in operation checks. Therefore, their lives may be shorter than ordinary batteries.
- 2. When the remote-controllable distance gets shorter than before, replace both batteries with new ones.
- 3. Malfunction may occur if direct sunlight or the ligh of a high-frequency lighting fluorescent lamp enters the remote control light sensor. In such a case, change the system installation position to prevent the malfunction.

Remote operation of KENWOOD components

KR-X1000 (En)

The remote control unit provided with this unit can control a KENWOOD CD player and cassette deck as well as this unit. Additionally, it can also control video components from other manufacturers than KENWOOD by recalling the maker codes preset in the remote control unit. For the method of recalling the maker codes and controlling these components, please refer to the setup code table.

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To control this receiver:

- ① Press the AUDIO key so that "AUDIO" or "TUNER" is displayed
- ② Press the POWER key to switch this unit ON.
- 3 Press the desired operation key.

* This mark indicates that only the right side key can be used.

AUD	Select the source component to be controlled. Select by pressing the AUDIO key repeatedly.					
Display on the	1) ———	→ ② —	→ ③ —	→ ④	→ (5)	
remote control unit Operation keys	AUDIO	TUNER	CD	TAPE A	TAPE B	
POWER	POWER	POWER	POWER	POWER	POWER	
12345 67890 Ö	1 :MENU - 29 6 :DIMMER - 11 +10 :DISPLAY MODE - 28	Numeric keys	Numeric keys			
VCR UD TV/CABLE ENTER	For use in o	controlling non-KEN	NWOOD compone	nts. + 12 + 13 +	33	
INPUT LEVEL	INPUT LEVEL					
DISPLAY	Displays the name of the component which can be controlled for a few seconds.					
		P.CALL(▲,▼) +21	* ►/II	⋖ ,►	∢, ▶	
	EFFECT + 28	BAND ∭	•	•	•	
S			 ◀◀,▶▶	◄◄,▶▶	◄◄,▶▶	
	DELAY - 25	1	DISC SKIP	11	11	
FUNCTION	CHANNEL MODE	DIRECT - 20				
0	TEST TONE	-		•	•	
МИТЕ	MUTE - 16	MUTE	MUTE	MUTE	MUTE	
SURROUND	SURROUND MODE	SURROUND MODE	SURROUND MODE	SURROUND MODE	SURROUND MODE	
ANY NEW Y	MULTI CONTROL -24					
NPUT	INPUT SELECTOR	INPUT SELECTOR	INPUT SELECTOR	INPUT SELECTOR	INPUT SELECTOR	
	VOLUME CONTROL +15	VOLUME CONTROL	VOLUME CONTROL	VOLUME CONTROL	VOLUME CONTROL	
STEREO	STEREO - 24	STEREO	STEREO	STEREO	STEREO	

How to preset the set-up codes

KR-X1000 (En)

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PRESET REMOTE CONTROL

The preset remote control contains preset memory of the remote control codes of video components from many manufacturers. By simply entering the manufacturer codes, a single unit can operate video components owned by individual users.

Use the following procedure to recall the setup codes for controlling non-KENWOOD components from this remote control unit.

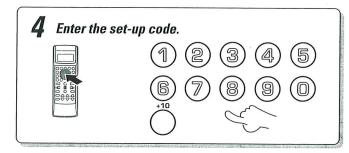


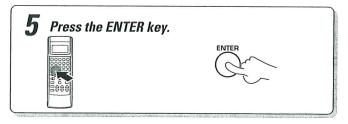
: Keys or controls to be used in this operation

1 Find the set-up code of the component to be registered.

2 Set the display for the component to be registered.







Refer to the set-up code list and after to find the set-up code of the component to be registered.

Example: To register a VCR from KENWOOD, 056, 061 or 082

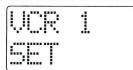
Each press of each key switches the display as follows:

	Displayed characters		
VCR	VCR 1 ↔ VCR 2		
LD	LD		
TV/CABLE	TV ↔ CABLE		

Example: Press the VCR key to select "VCR1" or "VCR2".



The display shows "SET".





Go to step 4 within 5 sec.

Enter with numeric keys.

Example: 0, 5, 6



If you commit a mistake, wait until the displayed number disappears and restart from step 2.



When presetting is OK



When presetting is NG

 If you made a mistake entering the set-up code, start over from step 4 within 5 seconds of the "┡☐" indication.



The set-up codes are designed to be compatible with several models, but there may be some incompatible models. (With some models, only some of the functions can be operated.)

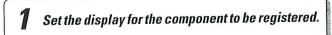
Operating components preset with remote codes

KR-X1000 (En)

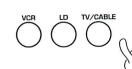




Keys or controls to be used in this operation







Each press of each key switches the display as follows:

	Displayed characters		
VCR	VCR 1 ↔ VCR 2		
LD	LD 4		
TV/CABLE	TV ↔ CABLE		

Point to the preset component and press the POWER key.





Operate referring to the remote control key correspondence table.

To turn the power OFF

① Set the display for the component to be turned OFF.

2 Press the POWER key.



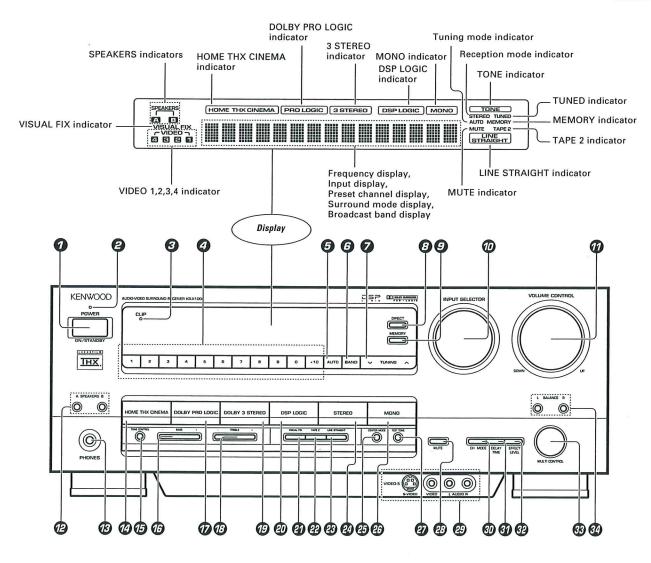
Operate the keys.











POWER keySTANDBY indicator	
⊘ CLIP indicator	- 16
Numeric keys	- 20
Used for storing and recalling stati	ons.
AUTO key Output Description Output Descrip	- 19
Press to select the auto tuning mo	de.
BAND key	- 19
Press to switch the broadcast band	d.
TUNING keys	- 19
Press to tune broadcast stations.	
ODIRECT key	- 20
Press for direct station tuning based	d on nu-
merical input.	
MEMORY key	-21
Press to preset a station in the me	mory.

@INPUT SELECTOR knob	- 15
Turn to select the input sources.	
WVOLUME CONTROL knob	- 15
@SPEAKERS A/B keys	+ 15
Press to select the A and/or B speaker s	ystems
@PHONES jack	- 17
Used for headphone listening.	
@HOME THX CINEMA key	- 25
TONE CONTROL key	+ 16
@BASS key	- 16
ODOLBY PRO LOGIC key	+ 25
@TREBLE key	+ 16
DOLBY 3 STEREO key	- 24
@ DSP LOGIC key	- 25
@VISUAL FIX key	- 22
@TAPE 2 key	→ 18
Press to monitor the sound being re	corded

sound.
- 24
es.
- 24
HOME
IC sur-
- 28
- 24
- 16
-5
- 25
- 27
- 24
-16
ce be-

-17

@LINE STRAIGHT key

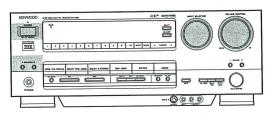
tween left and right.

A side panel is included with the KR-X1000 (G).

STANDBY mode of POWER switch

When the power cord of this system is plugged into an AC outlet, the **STANDBY** indicator lights up regardless of the ON/OFF setting of the POWER switch. This indicates that a small amount of current is being supplied to the unit to back up the memory contents. This mode is referred to as the Standby mode. While the **STANDBY** indicator is lit, the power of the system can be switched ON/OFF from the remote control unit.





: Keys or controls to be used in this operation

Normal playback







? Select the SPEAKERS switch setting.



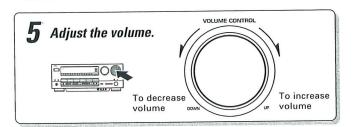




The indicators of the speaker systems to be used should light up.

3 Select the input source.

4 Play the selected source.



	Display tube information	FRONT SPEAKERS A	SURROUND SPEAKERS	CENTER SPEAKER	FRONT SPEAKERS B	SUBWOOFER PRE OUT
səp	SPEAKERS	0	_	_		* 🔿
om pui	SPEAKERS			_	0	* 🔿
Non-surround modes	SPEAKERS A E	0	_		0	* 🔿
Non	SPEAKERS					
pund	SPEAKERS	0	0	**	_	* 🔿
Surround modes	SPEAKERS		_	_	_	_

- "O" in the table above indicates the presence of output and "-" indicates
- * The SUBWOOFER PRE OUT signal is not output when the SUBWOOFER switch on the rear panel is set to OFF.
- **The CENTER SPEAKER signal is not output when the CENTER MODE is PHANTOM.
- While the INTEGRATED/SEPARATED switch on the rear panel of this unit is set to SEPARATED, FRONT SPEAKERS B cannot be used and the subwoofer output cannot be turned off.

The input sources are switched in the following order:

- TUNER (frequency display)

 2 TAPE1

 3 AUX

 4 VIDE01

 5 VIDE02

 6 VIDE03

 7 VIDE04

 8 VIDE05

 9 CD

 10 PH0NO
- The selected input source is held in memory for about 3 days even after the power cord is unplugged from the mains outlet.

Volume level is displayed.

 The sound of input source cannot be listened to while TAPE 2 is ON.

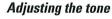
Sound adjustment functions

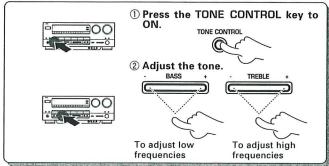
KR-X1000 (En)



Preparation

• Press the **AUDIO** key of the remote control unit to display "AUDIO". +11







• Use in the STEREO mode.

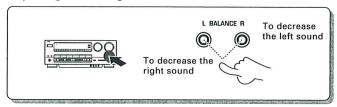
To cancel: Press the TONE CONTROL key again.

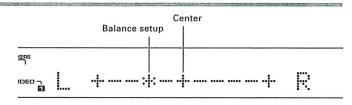
Goes off

Lights

TONE DEFEAT

Adjusting the left/right sound balance

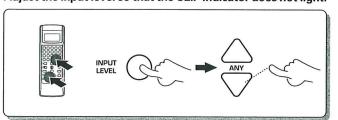




• Use in the STEREO mode or when LINE STRAIGHT is ON.

INPUT LEVEL key

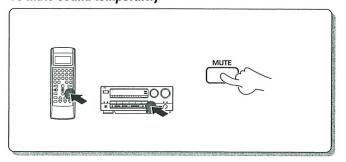
Adjust the input level so that the CLIP indicator does not light.



Each press of the MULTI CONTROL (ANY \bigcirc) key changes the input level as follows.

 The set INPUT LEVEL value can be preset separately for each input selector.

To mute sound temporarily



a MUTE ON



To cancel
Press the key again.

Blinks

a MUTE OFF



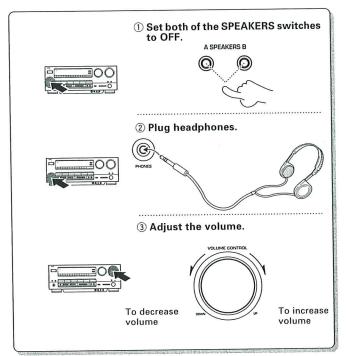
DIMMER key (numeric key 6)

Press the AUDIO key of the remote control unit to display "ALDIO", and pressing numeric key "6" allows you to change the brightness of the display on the main unit in 3 steps.





To listen through headphones



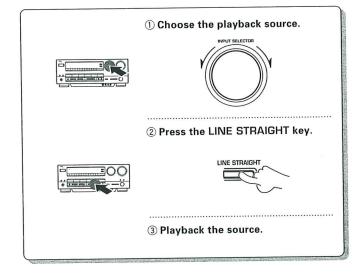
Ensure that the indicators are off.



 While the INTEGRATED/SEPARATED switch on the rear panel of this unit is set to SEPARATED, switching the SPEAKERS A key OFF does not switch the subwoofer output OFF.

Playback with Line Straight

This feature allows you to enjoy music sources such as CD with an even higher sound quality.



LINE STRAIGHT



Lights

- Tone controls are inoperative during playback with line straight.
- Pressing keys related to surround sound will cancel line straight playback.

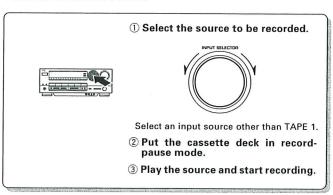
To cancel
Press the key again.

STEREO

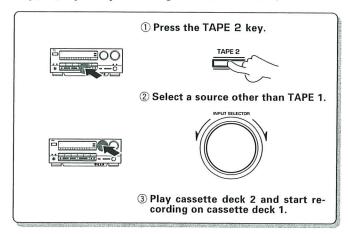
Goes off

 The display returns to the state immediately before the key was pressed.

To record a music source



Copying tape (Tape dubbing TAPE 2 → TAPE 1)



TAPE2 MONITOR



Lights

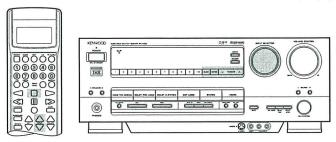
 For copying a tape using a double cassette deck, read the instruction manual of the double cassette deck.

Copying tape (Tape dubbing TAPE 1 → TAPE 2)

Play the cassette deck connected to the TAPE 1 jacks and start recording of the cassette deck connected to the TAPE 2 jacks.

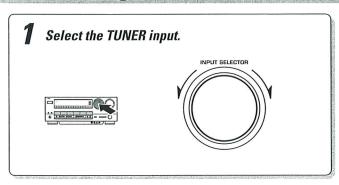
TAPE 2 (Monitor function)

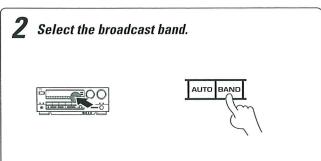
A cassette deck or graphic equalizer can be connected to this unit's TAPE 2 terminals. If you connect a graphic equalizer, turn the TAPE 2 key ON. If you connect a 3-head cassette deck, you can monitor the source sound, or the sound being recorded, while recording. Pressing the TAPE 2 key lets you compare the recorded sound and the source sound. Refer to the operating manual for the component you connected for further details.

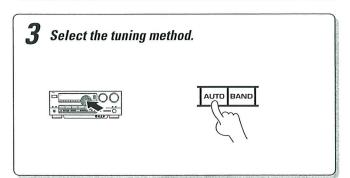


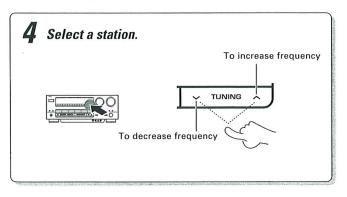
: Keys or controls to be used in this operation

Receiving a broadcast station







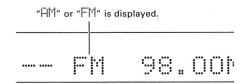


The input sources are switched in the following order:

- 1) TUNER (frequency display)
 - 2 THPE1
 - 3 AUX
 - **4 VIDEO1**
 - **⑤ VIDE02**
 - ⑥VIDE03
 - ⑦ VIDEO4 ® VIDE05
- 9 CD
- @ PHONO
- The last frequency tuned before is displayed.

Each press switches the band as follows:

- ① FM
- **② AM**

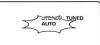


Frequency display

98.00MHz

Each press switches the turning method as follows:

- ① AUTO lit (auto tuning) ② AUTO not lit (manual tuning)



- Usually, set the switch to AUTO (auto tuning).
- Select manual tuning when noise interferes due to weak radio waves. (The stereo broadcasting is received in monaural during manual tuning.)

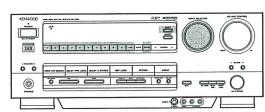
Frequency display

"TUNED" lights up when a station is tuned.

The next station found is tuned automatically. Auto tuning: Manual tuning: Press repeatedly or hold until a station is tuned.



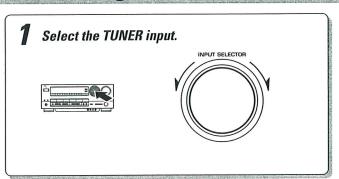
9 CD ® PHONO



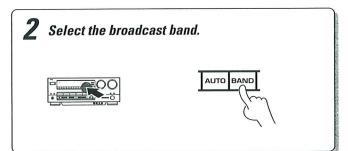
: Keys or controls to be used in this operation

The input sources are switched in the following order:

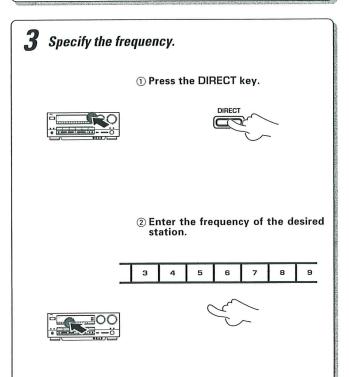
Receiving a radio station by specifying its frequency



① TUNER (frequency display) ② TAPE1 3 AUX 4) VIDEO1 **⑤ VIDE02** Frequency display @ VIDEO3 ⑦ VIDE04 ® VIDE05 98.00MHz



Each press switches the band as follows: 1 FM 2 AM "闩巾" or "闩巾" is displayed.



Press the numeric keys according to the frequency to be tuned as shown below.

Desired station	Order of pressing numeric keys		
FM 90 MHz	9,0,0 9,0,0,0	*(100 kHz space) (50 kHz space)	
FM 102.5 MHz	1,0,2,5 1,0,2,5,0	(100 kHz space) (50 kHz space)	
AM (MW) 810 kHz	8,1 8,1,0	(10 kHz space) (9 kHz space)	
AM (MW) 1260 kHz	1,2,6 1,2,6,0	(10 kHz space) (9 kHz space)	

*FM DE-EMPHASIS/CHANNEL SPACE switch

Frequency display

"TUNED" lights up when a station is tuned.

-9

• If you make a mistake, repeat step 3 again.

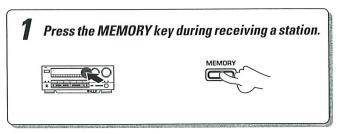
21

Preparation

- Tune the station to be stored in memory.
- Press the AUDIO key of the remote control unit to display "TUNER".

- 11

Storing radio stations in memory (Station preset)



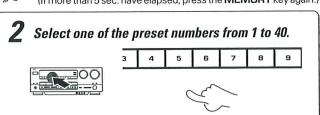
Lights (for 5 sec.)

FM 98.00MHz



Proceed to step 2 within 5 sec.

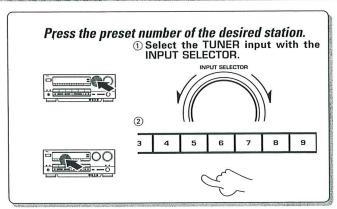
(If more than 5 sec. have elapsed, press the MEMORY key again.)



Press the numeric keys in the following order.

- Repeat steps 1 and 2 for each of the stations to be stored in memory.
- If a station is stored in a preset number which already stores a station memory under it, the previous memory is replaced by the new memory content.
- Once the memory content has been preset, it is held for about 3 days even after the power cord is unplugged from the mains outlet.

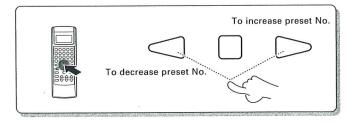
Receiving a preset station



ing 15 FM 99.00MHZ

Press the numeric keys in the following order.

Receiving all preset stations in order



 Every time the key is pressed, the next station in the order of the preset number is received.

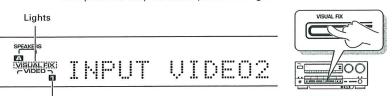
When you press \bigcirc key..... 01 + 02 + 03...... 38 + 39 + 40When you press \bigcirc key..... 01 + 02 + 03...... 38 + 39 + 40

If the key is held pressed Preset stations will be received successively for about half a second each.

For the connections and operations, also carefully read the instruction manuals of the video components.

Regarding the VISUAL FIX key

This key prevents visual input sources from switching. For example, with VISUAL FIX on, even though you change the input source from VIDEO 1 to VIDEO 2, the VIDEO 1 images continue uninterrupted and only the audio portion changes to the VIDEO 2 source.



The chosen video input appears in the display.

Playback of videotape

Turn the power of the monitor TV ON.

 If the video input source being selected is not indicated by any of VIDEO input indicators 1 2 3 4, it is VIDEO5 that is being selected.

2 Select the VID	EO 1 input.
	INPUT SELECTOR

The input sources are switched in the following order:

1 TUNER (frequency display)
2 TAPE1
3 AUX
4 VIDE01
5 VIDE02
6 VIDE03
7 VIDE04
8 VIDE05

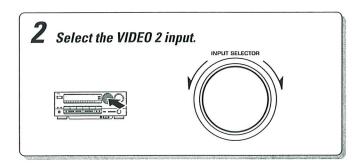
- 9 CD ▶ 10 PHONO
- Select the input to which a video deck is connected.
 If the video input source being selected is not indicated by a
- If the video input source being selected is not indicated by any of VIDEO input indicators 1 2 3 4, it is VIDEO5 that is being selected.

3 Play the video deck.

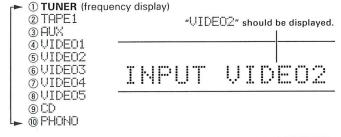
Recording of video source (Example: VIDEO2 → VIDEO1)

Connect the video source component to be played.

Connect the component to be played to the VIDEO 2 jacks.
 The connectable components include a video deck (playback only), video camera (playback only), LD player or DBS tuner.



The input sources are switched in the following order:



3 Play the source component.

4 Start recording on the recording video deck.

 Start recording with the video deck which is connected to the VIDEO 1 jacks.

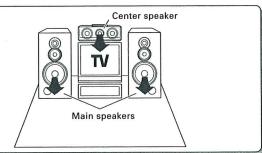
1-X 1000 (LII)

The surround modes allow to enjoy the feeling of realism. Select the mode according to the source or components played. For the connections of the rear and/or center speakers, refer to "Connection of speakers".

DOLBY 3 STEREO mode

If the left and right speakers are installed apart from each other, the center acoustic image (dialogue, etc.) may vary depending on the listener's position. The DOLBY 3 STEREO mode provides an improved positioning of the center acoustic image regardless of the listening position.

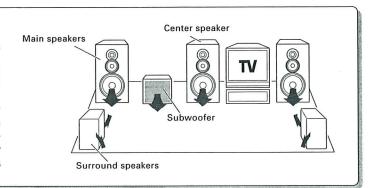
To use this mode, connect the center speaker.



HOME THX CINEMA

This is a surround reproduction system developed for smaller spaces with the theme of "an uncompromising home cinema experience". Video software bearing the ODDOLBY SURROUND logo can be played directly through this system.

The THX CINEMA system provides an overwhelming feeling of presence through signal processing based on a unique theory. Use a speaker system with THX logo approved by Lucas Arts Entertainment Company (6-speaker configuration) for the surround reproduction in this mode.

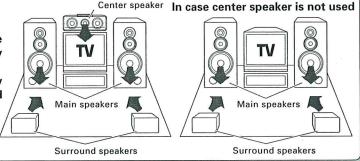


DOLBY PRO LOGIC surround mode

Video and LD software programs carrying the proposed carrying the proposed carrying the proposed carrying the same Dolby Surround data as those used in movie theaters.

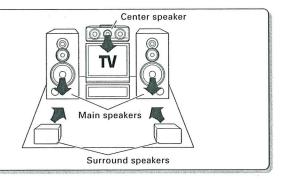
The DOLBY PRO LOGIC surround mode uses the Dolby Surround data and brings into the home a similar sound field to that of movie theaters.

To use this mode, connect the rear (and center) speakers.



DSP LOGIC

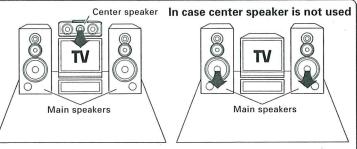
This mode provides the atmosphere of a movie theater by adding the reverberation component of movie theater to the DOLBY PRO LOGIC. To use this mode, connect both the rear and center speakers.



MONO

Use this mode when watching old movies, etc., that have a monaural audio sound track.

The audio is heard from the center speaker only. If HOME THX CINEMA, DOLBY PRO LOGIC or DSP LOGIC is set to the PHANTOM mode which does not use the center speaker, the left and right main speakers output monaural audio.



23

DOLBY 3 STEREO adjustment and playback

KR-X1000 (En)

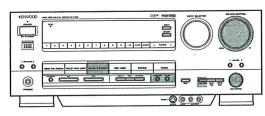


This mode improves the positioning of the acoustic image of dialogue, etc., by applying directivity enhancer processing and using an additional center speaker when video software program recorded with ordinary 2-channel stereo is played. (without surround speakers.)

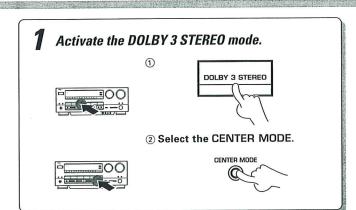
Preparation

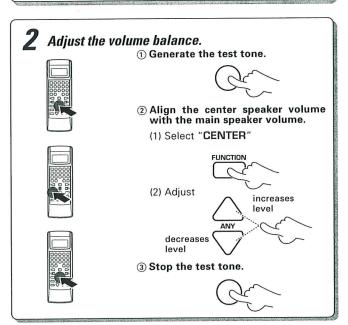
- Press the AUDIO key of the remote control unit to display "ALDIO". → 11
- If the subwoofer is used, set the SUBWOOFER PRE OUT switch on the rear panel to ON then switch the power ON again.

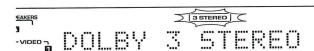




: Keys or controls to be used in this operation







Each press of the **CENTER MODE** key switches the center modes as follows:

:When the center speaker is a compact-sized

— ②川口EEAND :When the center speaker is a medium- or largesized speaker.

 If you cannot tell whether your center speaker is compact or medium-sized, try two modes and select according to your liking.

 The selected center mode is automatically stored in memory and held unless it is changed later.

• A noise-like test tone is output.

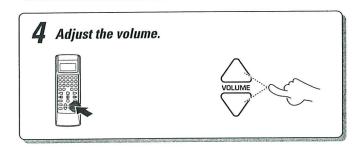
 Each press of the CHANNEL MODE (FUNCTION) key changes the channel reproducing the test tone as shown below.

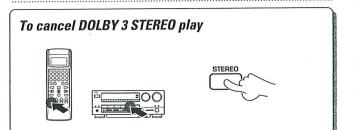
LEFT (LEFT)
CENTER (CENTER)
RIGHT (RIGHT)
SUBWOOFER (SUBWOOFER)



- Be sure to adjust from your listening position.
- The center level is adjusted in 1dB steps each time you press the MULTI CONTROL (ANY) keys.
- The center level can be adjusted in the range from -12 dB to +12 dB.

3 Play a video software program.





Adjustments for surround play (except DOLBY 3 STEREO)

KR-X1000 (En)

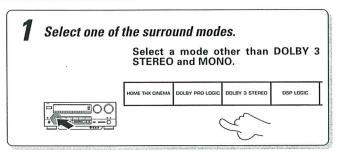
The following procedure allows to adjust various condition to improve the feeling of presence of playback according to the speakers and listening room used.

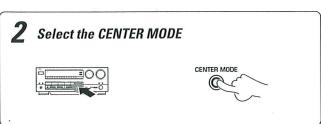
The adjusted results are stored automatically in memory; once the adjustment has completed in one of the surround modes, re-adjustment is not required even when the surround mode is changed (except for DOLBY 3 STEREO).

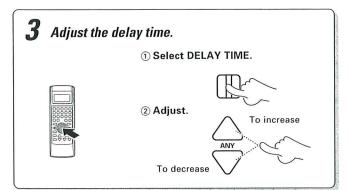
*2*5

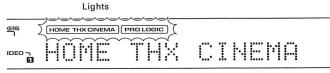
Preparation

- Press the **AUDIO** key of the remote control unit to display "FUDIO". + 11
- If the subwoofer is used, set the SUBWOOFER PRE OUT switch on the rear panel to ON then switch the power ON again.





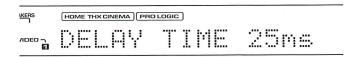




Example when HOME THX CINEMA is selected

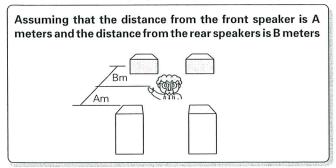
Each press of the **CENTER MODE** key switches the center modes as follows:

- **→** ①MORMAL
- : When the center speaker is a compact-sized
- ②WIDEBAND:
 - : When the center speaker is a medium- or large-
 - sized speaker.
- · ③PHANTOM : When the center speaker is not used.
- If you cannot tell whether your center speaker is compact or medium-sized, try two modes and select according to your liking.



• The delay time can be adjusted in the range from 15 ms to 30 ms, in 1 ms steps.

How to calculate the proper delay time

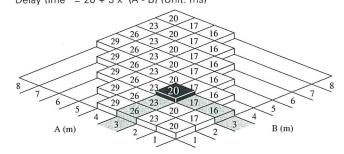


① Use the delay time calculation chart on the right.

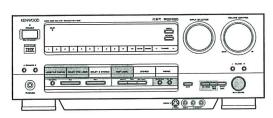
Example: When A = 3 m, B = 3 m, the delay time is 20 ms.

② Use the following formula for calculation.

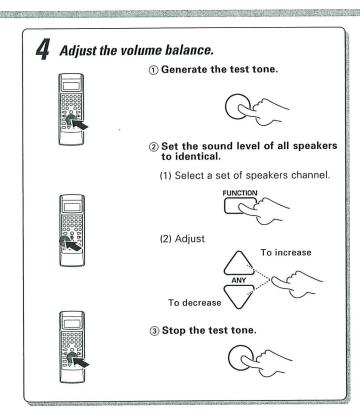
Delay time = $20 + 3 \times (A - B)$ (Unit: ms)







: Keys or controls to be used in this operation



- A noise-like test tone is output.
- Each press of the CHANNEL MODE (FUNCTION) key changes the channel reproducing the test tone as shown below.

In NORMAL and WIDE BAND modes:

F	LEFT	(LEFT)
	CENTER	(CENTER)
	RIGHT	(RIGHT)
	SUR. R	(SURROUND RIGHT)
	SUR. L	(SURROUND LEFT)
L	SUBMODEER	(SUBWOOFER)

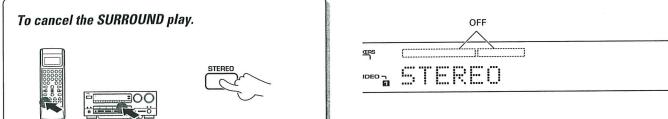
In PHANTOM mode:

	LEFT RIGHT SUR. R	(LEFT) (RIGHT) (SURROUND RIGHT)
	SUR. L	(SURROUND LEFT)
L	SUBMOOFER	(SUBWOOFER)



- Be sure to adjust from your listening position.
- The volume is adjusted in 1dB steps each time you press the MULTI CONTROL (ANY) keys.
- The volume levels can be adjusted in the range from -12 dB to +12 dB.

.....



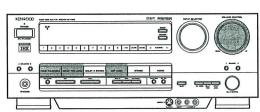
Surround play (except DOLBY 3 STEREO)

KR-X1000 (En)

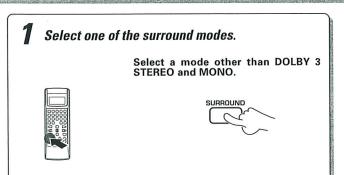
The HOME THX CINEMA and DOLBY PRO LOGIC modes are effective when playing videotape (or LD) software carrying the COOLBY SURROUND logo. The DSP LOGIC mode is effective with general sources.

Be sure to complete "Adjustments for surround play" prior to starting playback in one of these surround modes, -25





: Keys or controls to be used in this operation





Example when HOME THX CINEMA is selected

Each press of the key switches the modes as follows:

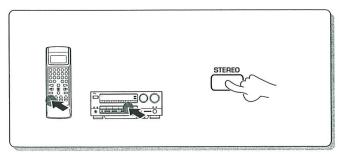
① HOME THX CINEMA ② DOLBY PRO·LOGIC ③ DOLBY 3 STEREO ④ DSP LOGIC ⑤ MONO

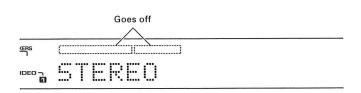
2 Play a video software program.





To cancel the SURROUND play





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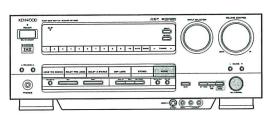
DISPLAY MODE key (numeric key +10)

Press the AUDIO key of the remote control unit to display "AUDIO" and pressing numeric key "+10" allows to switch the character display information on the main unit between the input source and the surround mode being selected

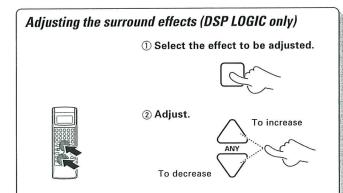








: Keys or controls to be used in this operation



Each press switches the band as follows:

► ①ROOM SIZE

: Simulates the room size by adjusting the reflection sounds.

② EFFECT ③ WALL : Varies the sound field effect.

: Simulates the sounds reflected on the walls. A higher value simulates harder

DSP LOGIC



 The setting value changes by 1 step each time you press the MULTI CONTROL (ANY) key.

 The adjustment range of ROOM SIZE is 1 to 3, that of EFFECT is 1 to 5 and that of WALL is 1 to 3.

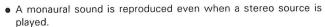
Playback in MONO mode

This mode is convenient when playing an old movie, etc.









 If the center mode is PHANTOM, the audio is reproduced from the left and right main speakers.

If the center mode is NORMAL or WIDEBAND, the audio is reproduced from the center speaker.

The subwoofer output is output normally.

To cancel MONO mode play Press the STEREO key.

What is DSP?



The DSP stands for Digital Signal Processor. In the DSP LOGIC mode, the reverberation components (elements of sound echoed in various spaces) which determine the feeling of presence are created by digital processing by the DSP without spoiling the sound quality of the original music source.

Information display on TV monitor screen

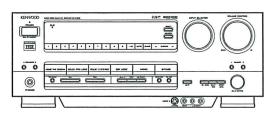
KR-X1000 (En)

This function allows you to display various setting conditions and the list of preset stations on the screen of the TV monitor connected to the MONITOR OUT jack.

Preparation

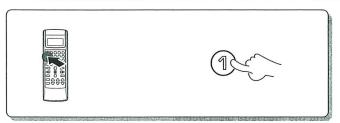
• Press the **AUDIO** key of the remote control unit to display "AUDIO". +11





: Keys or controls to be used in this operation

Switching the information display



Each press of the **MENU** key (numeric key 1) changes the displayed information as follows.

- ➤ A INFORMATION ON
 - ® SURROUND
 - © TUNER MEMORY (1-10): When TUNER input is selected
 - ① TUNER MEMORY (11-20): When TUNER input is selected
 - © TUNER MEMORY (21-30): When TUNER input is selected
 - F TUNER MEMORY (31-40): When TUNER input is selected
- **©** INFORMATION OFF

igap A INFORMATION ON screen



When this message is selected, the information display function is switched from OFF to ON. This message is not displayed if the function has already been switched ON. When the information is ON, the contents of various operations, including the volume adjustment and input selection, are displayed on the TV monitor screen for a few seconds.

- If it is required only to switch the information display ON, wait for a few seconds until the message disappears.
- To display the surround settings or preset stations or to switch the information display OFF, press the MENU key (numeric key 1) more to advance to the desired screen.

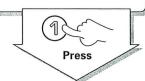
B Surround screen



When the MENU key (numeric key 1) is pressed while the information display is ON, this screen appears after the first press.

This screen shows the list of settings related to the surround function, such as the surround mode, delay times and channel levels.

 The displayed contents are the settings of the currently selected surround mode.



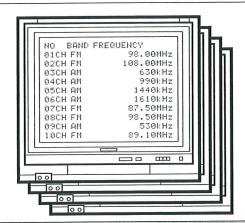
Press



Press

Press

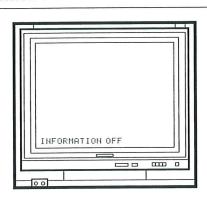
C(D(E)(F) Tuner memory screen (1/4 to 4/4)



This screen appears only when the tuner is selected as the input source. It displays the frequencies of the preset stations on a total of 4 display pages, with 10 stations displayed per page.

. Each press the MENU key (numeric key 1) switches over the screen.

(G) INFORMATION OFF screen



When this message appears and you wait for a few seconds, the information display function is switched from ON to OFF and the message disappears.

Character information is not displayed while the information function is OFF.

- When the MENU key (numeric key 1) is pressed again while this message is displayed, the information display function is returns to ON again.
- If the MENU key (numeric key 1) is pressed again while INFORMA-TION OFF is displayed, the INFORMATION display is changed to ON again.

Test tone screen

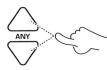
 Press the TEST TONE key while the information display is ON.



2 Select the channel to be adjusted.



3 Adjust the level.



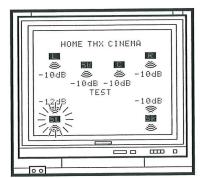
4 After having adjusted all of the channels by repeating ② and ③ above, press the TEST TONE key again to OFF.



When the **TEST TONE** key is pressed while the information display is ON to prepare for surround playback, the test tone screen appears on the TV monitor.

Each press of the key changes the pages as follows (which is an example with **HOME THX CINEMA** mode).

- ► ① FRONT L CH
 - ② CENTER CH
 - **3 FRONT R CH**
 - 4 SURROUND R CH
 - **⑤ SURROUND L CH**
 - **(SUB WOOFER CH)**



The channel being adjusted blinks.

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Operation to reset

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

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

 Please note that resetting the microcomputer clears the contents stored in it and returns it to the condition when it left the factory.

Amplifier

Symptom	Cause	Remedy
Sound is not output.	 The speaker cords are disconnected. The VOLUME is set to the minimum position. MUTE is ON. (The MUTE indicator is blinking) The SPEAKERS switches are set to OFF. The TAPE 2 key is set to ON. 	 Connect them properly referring to "System connection". Adjust the volume to a proper level. Press the MUTE key to OFF. Set the SPEAKERS switch(es) to ON. Set the TAPE 2 key to OFF.
The STANDBY indicator blinks and sound is not output.	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 connection". 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 center speaker cord are disconnected. The Surround play mode has not been engaged. The REAR VOL. and/or CENTER VOL. controls are set to the minimum level. 	Connect them properly referring to "System connection". Set the presence mode. Adjust the REAR VOL. and CENTER VOL. controls.
A hum noise is generated when the PHONO input selector 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.

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.
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 away from the road. Turn off the power to the appliance. Install the system farther away from the TV set.
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. The TUNER input is not selected. 	 Preset a station with a receivable frequency. Preset the station again. Select the TUNER input.

Remote control unit

Symptom 33+33 13-35	Cause	Remedy
Remote control operation is not possible.	 Batteries are exhausted. The remote control unit is too far away from the main system, controlling angle is too large, or there is an obstacle in between. The audio cords and system control cords are not connected properly. The source component to be operated does not contain the tape(s) or CD. An attempt is made to play a tape which is being recorded in the cassette deck. 	 Replace with new batteries. Operate the remote control unit within the controllable range. Connect properly referring to "System connection". Place the tape(s) or CD in the source component to be played. Wait until the recording is completed.



Remote control key correspondence table

KR-X1000 (En)

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Refer to the following table before remote controlling each function. Pressing one of the illustrated keys in the table activates the function according to the selected component.

COMPONENT	vc	(VCR)	(LD)	TV/CA	(TV/CABLE)
DISPLAY	UCR 1	UCR 2	ĹĎ	TU	CABLE
POWER	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF
1	1	1	1	. 1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	. 7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9
0	0	0	0	0	0
•10	+10	+10	+10	+10	+10
	PLAY	PLAY	PLAY	TV VOLUME UP	TV VOLUME UP
	STOP	STOP	STOP	TV MUTE	TV MUTE
				TV VOLUME DOWN	TV VOLUME DOWN
\square	FAST FORWARD	FAST FORWARD	FAST FORWARD		
	PAUSE	PAUSE	PAUSE		
\ll	FAST REWIND	FAST REWIND	FAST REWIND		
0	RECORD	RECORD			
FUNCTION	VCR1/TV INPUT SELECT	VCR2/TV INPUT SELECT	OPEN/CLOSE	TV/VCR INPUT SELECT	TV/VCR INPUT SELECT
\wedge	VCR1 CHANNEL UP	VCR2 CHANNEL UP	SEARCH UP	TV CHANNEL UP	CABLE TV CHANNEL UP
ANY	VCR1 CHANNEL DOWN	VCR2 CHANNEL DOWN	SEARCH DOWN	TV CHANNEL DOWN	CABLE TV CHANNEL DOWN

VCR set-up code

Maker	Set-up code
AIKO	293
AIWA	015
AKAI	056,064,068,076,257
ANAM	045,177
ANAM NATIONAL	045
AUDIOVOX	052
BELL & HOWELL	119
BLAUPUNKT	045
BROKSONIC	136,199,226,376
CANON	050,182
CAPEHART	035
CARVER	096
CCE	087,293
CRAIG	062,255,286
CURTIS MATHES	050
DAEWOO	035,060,061,102,293
DAYTRON	035
DYNATECH	015
EMERSON	015,017,052,076,136,199,223,224,226,227,309,310,
	376
FISHER	062,069,081,119
FUNAI	015
GARRARD	015
GE	050,075,080
GENERAL	067
GO VIDEO	247,294
GOLDSTAR	033,052,053
GRADIENTE	015
HARMAN/KARDON	053,090
HITACHI	015,056,057,080,120,181
JCL	050
JENSEN	056
JVC	023,056,082
KENWOOD	053,056,061,082
LLOYD	015
LOGIK	087
LXI	052
MAGNAVOX	
MARANTZ	050,053,096
MARTA	
	052
100000000000000000000000000000000000000	052
MEI	050
MEI MEMOREX	050 015,050,052,054,061,062,063,119
MEI MEMOREX MGA	050 015,050,052,054,061,062,063,119 058,076
MEI MEMOREX MGA MGN TECHNOLOGY	050 015,050,052,054,061,062,063,119 058,076 255
MEI MEMOREX MGA MGN TECHNOLOGY MINOLTA	050 015,050,052,054,061,062,063,119 058,076 255 057,120
MEI MEMOREX MGA MGN TECHNOLOGY MINOLTA MITSUBISHI	050 015,050,052,054,061,062,063,119 058,076 255 057,120 058,076,090,188,229,257
MEI MEMOREX MGA MGN TECHNOLOGY MINOLTA MITSUBISHI MTC	050 015,050,052,054,061,062,063,119 058,076 255 057,120 058,076,090,188,229,257 015,255
MEI MEMOREX MGA MGN TECHNOLOGY MINOLTA MITSUBISHI MTC MULTITECH	050 015,050,052,054,061,062,063,119 058,076 255 057,120 058,076,090,188,229,257 015,255 015,087
MEI MEMOREX MGA MGN TECHNOLOGY MINOLTA MITSUBISHI MTC MULTITECH NAD	050 015,050,052,054,061,062,063,119 058,076 255 057,120 058,076,090,188,229,257 015,255 015,087 073
MEI MEMOREX MGA MGN TECHNOLOGY MINOLTA MITSUBISHI MTC MULTITECH NAD NATIONAL	050 015,050,052,054,061,062,063,119 058,076 255 057,120 058,076,090,188,229,257 015,255 015,087 073
MEI MEMOREX MGA MGN TECHNOLOGY MINOLTA MITSUBISHI MTC MULTITECH NAD NATIONAL NEC	050 015,050,052,054,061,062,063,119 058,076 255 057,120 058,076,090,188,229,257 015,255 015,087 073 045 053,055,056,065,082,097
MEI MEMOREX MGA MGN TECHNOLOGY MINOLTA MITSUBISHI MTC MULTITECH NAD NATIONAL NEC NIKKO	050 015,050,052,054,061,062,063,119 058,076 255 057,120 058,076,090,188,229,257 015,255 015,087 073 045 053,055,056,065,082,097 052
MEI MEMOREX MGA MGN TECHNOLOGY MINOLTA MITSUBISHI MTC MULTITECH NAD NATIONAL NEC NIKKO NOBLEX	050 015,050,052,054,061,062,063,119 058,076 255 057,120 058,076,090,188,229,257 015,255 015,087 073 045 053,055,056,065,082,097 052 255
MEI MEMOREX MGA MGN TECHNOLOGY MINOLTA MITSUBISHI MTC MULTITECH NAD NATIONAL NEC NIKKO NOBLEX OPTIMUS	050 015,050,052,054,061,062,063,119 058,076 255 057,120 058,076,090,188,229,257 015,255 015,087 073 045 053,055,056,065,082,097 052 255 063,073
MEI MEMOREX MGA MGN TECHNOLOGY MINOLTA MITSUBISHI MTC MULTITECH NAD NATIONAL NEC NIKKO NOBLEX OPTIMUS OPTONICA	050 015,050,052,054,061,062,063,119 058,076 255 057,120 058,076,090,188,229,257 015,255 015,087 073 045 053,055,056,065,082,097 052 255 063,073
MEI MEMOREX MGA MGN TECHNOLOGY MINOLTA MITSUBISHI MTC MULTITECH NAD NATIONAL NEC NIKKO NOBLEX OPTIMUS OPTONICA PANASONIC	050 015,050,052,054,061,062,063,119 058,076 255 057,120 058,076,090,188,229,257 015,255 015,087 073 045 053,055,056,065,082,097 052 255 063,073 063,077 045,050,092,111,177,397
MEI MEMOREX MGA MGN TECHNOLOGY MINOLTA MITSUBISHI MTC MULTITECH NAD NATIONAL NEC NIKKO NOBLEX OPTIMUS OPTONICA PANASONIC PENNEY	050 015,050,052,054,061,062,063,119 058,076 255 057,120 058,076,090,188,229,257 015,255 015,087 073 045 053,055,056,065,082,097 052 255 063,073 063,077 045,050,092,111,177,397 050,052,053,055,057,255
MEI MEMOREX MGA MGN TECHNOLOGY MINOLTA MITSUBISHI MTC MULTITECH NAD NATIONAL NEC NIKKO NOBLEX OPTIMUS OPTONICA PANASONIC PENNEY PENTAX	050 015,050,052,054,061,062,063,119 058,076 255 057,120 058,076,090,188,229,257 015,255 015,087 073 045 053,055,056,065,082,097 052 255 063,073 063,077 045,050,092,111,177,397 050,052,053,055,057,255 057,080,120
MEI MEMOREX MGA MGN TECHNOLOGY MINOLTA MITSUBISHI MTC MULTITECH NAD NATIONAL NEC NIKKO NOBLEX OPTIMUS OPTONICA PANASONIC PENNEY PENTAX PHILCO	050 015,050,052,054,061,062,063,119 058,076 255 057,120 058,076,090,188,229,257 015,255 015,087 073 045 053,055,056,065,082,097 052 255 063,073 063,077 045,050,092,111,177,397 050,052,053,055,057,255 057,080,120 050
MEI MEMOREX MGA MGN TECHNOLOGY MINOLTA MITSUBISHI MTC MULTITECH NAD NATIONAL NEC NIKKO NOBLEX OPTIMUS OPTONICA PANASONIC PENNEY PENTAX	050 015,050,052,054,061,062,063,119 058,076 255 057,120 058,076,090,188,229,257 015,255 015,087 073 045 053,055,056,065,082,097 052 255 063,073 063,077 045,050,092,111,177,397 050,052,053,055,057,255 057,080,120

Maker	Set-up code
PIONEER	073,082
PORTLAND	035
PULSAR	054
QUARTZ	061
QUASAR	050,092,111
RADIO SHACK	015,052
RCA	050,057,080,092,111,120,164,217
RCA UNIFIED	075
REALISTIC	015,050,052,061,062,063,077,081,119,255
RICOH	049
RUNCO	054
SAMSUNG	060,068,255
SANSUI	056,082,097,286
SANYO	061,062,119,255
SCOTT	060,136,199,225,227
SEARS	050,052,057,061,062,069,081,119,120
SHARP	063,077
SHINTOM	087
SONY	047,048,049,050
STS	057
SYLVANIA	050,058,096,125
SYMPHONIC	015
TANDY	015,119
TATUNG	056
TEAC	015,056
TECHNICS	050,177
TEKNIKA	015,050,052,067
TOSHIBA	058,060,081,225,227
TOTEVISION	052,255
UNITECH	255
VECTOR RESEARCH	053,055
VICTOR	023,056,082
VIDEO CONCEPTS	055,076
VIDEOSONIC	255
WARDS	015,050,057,062,063,077,087,164,227,255
YAMAHA	053,056
ZENITH	048,049,054

LD set-up code

Maker	Set-up code
AIWA	218
CARVER	079
DENON	187
FUNAI	218
GOLDSTAR	187
KENWOOD	251,273
MAGNAVOX	079,232,256
MARANTZ	079
MITSUBISHI	074
NAD	074
PANASONIC	219,245
PHILIPS	079
PIONEER	074
RCA	366
REALISTIC	218
SHARP	016
SONY	208,216
YAMAHA	232

TV set-up code

Maker	Set-up code
A-MARK	018
ADMIRAL	108
AIKO	107
AKAI	045,113
ANAM	018,019,195
ANAM NATIONAL	070
AOC	018,034,045,067,152,200
ARCHER	018
AUDIOVOX	018,195
BELL & HOWELL	031,169
BROKSONIC	018
CANDLE	045,061,071,201
CAPEHART	067
CAPETRONIC	
CARVER	069
CITIZEN	045,054,061,063,071,075,107,201,295
CONCERTO	071
CONTEC	173,195,200 195
CRAIG	054,063,195
CHOWN CURTIS MATHES	045,054,063,075,169
CXC	195
DAEWOO	034,054,063,106,107,406,466
DAYTRON	054,063
DYNATECH	064
EMERSON	173,192,193,194,195,196,197,198,200,251,285,295,
	297,478
ENVISION	045
FISHER	169,174
FORTRESS	108
FUJITSU	194
FUNAI	194,195
FUTURETECH	195
GE	036,042,044,062,066,070,189,193,297
GENERAL	201 016,017,034,045,054,063,071,121,193
GOLDSTAR HALLMARK	193
HITACHI	053,071,110,112,160,166,188,242
INFINITY	069
JBL	069
JENSEN	065
JVC	051,068,197
KAMP	231
KAWASHO	231,323
KENWOOD	045
KLOSS	039,061
KMC	121
KTV	054,063,195,200,232,295
LOGIK	031
LUXMAN	071
LXI	062,069,163,169,171 035,039,043,045,069,111,201,202
MAGNAVOX MARANTZ	045,069
MATSUI	232
MATSUSHITA	066,265
MEMOREX	031,169,193
MGA	034,045,165,170,193
MITSUBISHI	034,113,165,170,193
MTC	034,045,064,071,075,106,200
MTC MULTITECH	034,045,064,071,075,106,200 064,232 171,181

Maker Set-up code NEC 034,045,051,071,185	
NICAMAGIC 231	
NIKKO 045,107,332	
OPTONICA 108,180	
ORION 251	-
PANASONIC 066,069,070,177,265,353	075 405 450
PENNEY 017,033,034,036,045,047,054,062,063,	0/5,125,150,
164,171	
PENNY 018,066	
PHILCO 034,035,039,043,045,069,201,202	
PHILIPS 015,069	
PIONEER 053,181	
PORTLAND 034,054,063,107	
PROTON 018,046,054,063,067,193	
PULSAR 032	
QUASAR 066,070,265	
RADIO SHACK 047,180,195	
RCA 033,034,044,053,150,189,412	
RCA UNIFIED 062	
REALISTIC 169	
RHAPSODY 231	
SAMPO 045,067,115,125	
SAMSUNG 034,045,047,054,063,071,075	
SANYO 161,169,174	
SCOTT 194,195,251	400 400 404
SEARS 062,069,071,161,163,164,169,171,174	,186,193,194
SHARP 108,180	
SIGNATURE 031	
SONY 015,026,095,126,288	
SOUNDESIGN 193,195,201	
SPECTRICON 018,152	
SSS 034,195	
STARLITE 195	
SUPRE-MACY 061	
SYLVANIA 035,039,043,045,069,080,201,202	
SYMPHONIC 186	
TANDY 054,063,108,233	
TATUNG 018,064,070	
TECHNICS 066,265	
TECHWOOD 071	
TEKNIKA 031,034,054,063,071,075,107,165,194	,195,201.327.
337	
The second secon	
TMK 071,193	
TOSHIBA 051,075,164,169,171	
TOSONIC 200	
TOTEVISION 054,063	
ULTRA 406	
UNIVERSAL 036,042	
VECTOR RESEARCH 045	
VICTOR 051,068,265	
VIDEO CONCEPTS 113	
VIDTECH 034,193	
VIKING 061	
WARDS 031,034,035,036,042,043,044,045,069),071,111,180,
189,193,194,202	
VARIALIA 024 04E	
YAMAHA 034,045	
ZENITH 031,032	

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CABLE set-up code

Maker	Set-up code
ABC	022,026,028,032
ANTRONIX	222
ARCHER	054,168,222
CENTURY	168
CITIZEN	168
COLOUR VOICE	040,046
COMBAND	247,248
COMTRONICS	055,075
CONTEC	034
EASTERN	017
ELECTRICORD	093
GARRARD	168
GC ELECTRONICS	222
GE	247,248
GEMINI	030,072,085,257
GENERAL INSTRUMENT	026
HAMLIN	024,035,049,274,288
HITACHI	026
JASCO IERROLD	168
JERROLD	018,026,027,029,030,039,041,062,113,291
MACNAYOY	048
MAGNAVOX	042
MEMOREX	015
MOVIE TIME	078,093,171
NORTHCOAST	329
NSC	078,085,171
OAK	022,034,263
PANASONIC PARAGON	036,122
PHILIPS	015
PHILIPS ECG	040,042,043,044,045,046,075,168,305 257
PIONEER	038,159,275
POPULAR MECHANICS	415
PULSAR	015
RCA	036
REALISTIC	222
REGAL	035,274,288,294
REGENCY	017
REMBRANDT	
RUNCO	015
SAMSUNG	055,159
SCIENTIFIC ATLANTA	021,023,032,292,342
SIGNAL	030,055
SIGNATURE	026
SL MARX	055
SPRUCER	036,322
The second secon	
STANDARD COMPONENTS	111
STANDARD COMPONENTS STARCOM	111 018,030,062,113
STARCOM	018,030,062,113
STARCOM STARGATE	018,030,062,113 030,055
STARCOM STARGATE SYLVANIA	018,030,062,113 030,055 016
STARCOM STARGATE SYLVANIA TANDY	018,030,062,113 030,055 016 273
STARCOM STARGATE SYLVANIA TANDY TATUNG	018,030,062,113 030,055 016 273 112
STARCOM STARGATE SYLVANIA TANDY TATUNG TEKNIKA	018,030,062,113 030,055 016 273 112 161
STARCOM STARGATE SYLVANIA TANDY TATUNG TEKNIKA TELECAPTION	018,030,062,113 030,055 016 273 112 161 236
STARCOM STARGATE SYLVANIA TANDY TATUNG TEKNIKA TELECAPTION TEXSCAN	018,030,062,113 030,055 016 273 112 161 236 016,111
STARCOM STARGATE SYLVANIA TANDY TATUNG TEKNIKA TELECAPTION TEXSCAN TOCOM	018,030,062,113 030,055 016 273 112 161 236 016,111 027,028,074
STARCOM STARGATE SYLVANIA TANDY TATUNG TEKNIKA TELECAPTION TEXSCAN TOCOM TOSHIBA	018,030,062,113 030,055 016 273 112 161 236 016,111 027,028,074 015
STARCOM STARGATE SYLVANIA TANDY TATUNG TEKNIKA TELECAPTION TEXSCAN TOCOM TOSHIBA TUSA	018,030,062,113 030,055 016 273 112 161 236 016,111 027,028,074 015 030
STARCOM STARGATE SYLVANIA TANDY TATUNG TEKNIKA TELECAPTION TEXSCAN TOCOM TOSHIBA TUSA TV86	018,030,062,113 030,055 016 273 112 161 236 016,111 027,028,074 015 030 078

Maker	Set-up code
UNITED CABLE	018
UNIVERSAL	054,092,093,168,206,222,337
VIDEOWAY	265
VIDTECH	259
VIEWSTAR	042,075,078,226,273,304
ZENITH	015,069

(P.X1000 (En)

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For the U.S.A. and Canada

AUDIO section

Rated power output at the STEREO operation

125 watts per channel minimum RMS, both channels driven, at 6 Ω from 20 Hz to 20 kHz with no more than 0.08 % total harmonic distortions. (FTC)

Power output at the Surround operation

Front

130 watts per channel minimum RMS, both channels driven, at 6 Ω 1 kHz with no more than 0.08 % total harmonic distortions. (FTC)

Center

130 watts per channel minimum RMS, both channels driven, at 6 Ω 1 kHz with no more than 0.08 % total harmonic distortions. (FTC)

Rear

80 watts per channel minimum RMS, both channels driven, at 6 Ω 1 kHz with no more than 0.08 % total harmonic distortions. (FTC)

Rated output voltage (PRE OUT) 940 mV (20 Hz ~ 20 kHz, 0.01 %) Total harmonic distortion 0.006 % (1 kHz, 62.5 W, 6 Ω)
Frequency response LINE (CD, AUX, TAPE) 5 Hz ~ 100 kHz, + 0 dB, - 3 dB
Signal to noise ratio (IHF A)
PHONO (MM) 76 dB
LINE (CD, AUX, TAPE)
Input sensitivity / impedance
PHONO (MM) 2.5 mV / 47 kΩ
LINE (CD, AUX, TAPE)
MAIN IN (FRONT, CENTER, SURROUND) 940 mV / 16 $k\Omega$
Output level / impedance
TAPE REC
PRE OUT (FRONT, CENTER, SURROUND, SUBWOOFER)
Tone control
BASS ± 8 dB (at 100 Hz)
TREBLE ± 8 dB (at 10 kHz)

For the other countries

AUDIO section

Rated power output at the STEREO operation
(EIAJ) 1 kHz, 10 % T.H.D. at 8 Ω 135 W + 135 W
(DIN / IEC) from 63 Hz to 12,500 Hz,
0.7 % T.H.D., at 8 Ω 105 W + 105 W
Power output at the Surround operation
FRONT (1 kHz, 10 % T.H.D. at 6 Ω) 175 W + 175 W
CENTER (1 kHz, 10 % T.H.D. at 6 Ω)
REAR (1 kHz, 10 % T.H.D. at 6 Ω) 120 W + 120 W
Rated output voltage (PRE OUT)
Total harmonic distortion 0.006 % (1 kHz, 52.5 W, 8 Ω)
Frequency responce
LINE (CD, AUX, TAPE) 5 Hz ~ 100 kHz, + 0 dB, - 3 dB
Signal to noise ratio (IHF A)
PHONO (MM) 76 dB
0C 1D

LINE (CD, AUX, TAPE) 96 dB

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TREBLE ± 8 dB (at 10 kHz)
Common
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$
FM tuner sectionTuning frequency range87,5 MHz ~ 108 MHzUsable sensitivity (IHF)13.2 dBf (1.2 μV at 75 Ω)50 dB quieting sensitivity41.2 dBf (32 μV at 75 Ω)Total harmonic distortion at 1 kHz0.6 %MONO0.7 %Signal to noise ratio at 65 dBf (IHF)75 dBMONO75 dBSTEREO68 dBSelectivity (IHF \pm 400 kHz)50 dBStereo separation (IHF at 1 kHz)40 dBFrequency response30 Hz ~ 15 kHz, \pm 0.5 dB, \pm 3.0 dB
AM tuner section Tuning frequency range 9 kHz step 531 kHz ~ 1.602 kHz (For other countries) 10 kHz step 530 kHz ~ 1.610 kHz (For other countries) 530 kHz ~ 1.700 kHz (For the U.S.A. and Canada) Usable sensitivity
GENERAL Power consumption

SWITCHED (For other countries) 1 (total 200 W max.)

Dimensions (KR-X1000 (G))W: 476 mm (18-3 / 4")

Weight (net) (KR-X1000) 16.5 kg (36.4 lb) Weight (net) (KR-X1000 (G)) 18.0 kg (39,7 lb)

H: 169 mm

H: 169 mm

D: 427 mm (16-13 / 16")

D: 427 mm(16-13 / 16")

(6-5 / 8")

SWITCHED (For the U.S.A. and Canada)



AC outlet