

AUDIO VIDEO SURROUND RECEIVER

VR-806 KRF-V5080D

INSTRUCTION MANUAL

KENWOOD CORPORATION

This instruction manual is for some models. Model availability and features (functions) may differ depending on the country and sales area.

About the supplied remote control

Compared to standard remote controls, the remote control supplied with this model has several operation modes. These modes enable the remote control to control other audio/video components. In order to effectively use the remote control it is important to read the operating instructions and obtain a proper understanding of the remote control and how to switch its operation modes (etc.).

Using the remote control without completely understanding its design and how to switch the operation modes may result in incorrect operations.

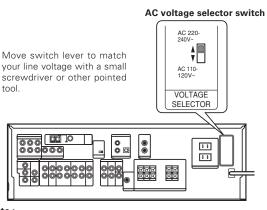
\(\frac{\hat{\chi}}{\chi} \) Caution : Read this page carefully to ensure safe operation.

Units are designed for operation as follows.

U.S.A. and Canada	AC 120 V only
Australia	AC 240 V only
Europe and U.K	AC 230 V only
China and Russia	AC 220 V only
Other countries AC 110-120 / 2	20-240 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.



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 BAIN 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.

How to use this manual

This manual is divided into four sections, Preparations, Operations, Remote Control, and Additional Information.

Preparations

Shows you how to connect your audio and video components to this model and prepare the surround processor.

Since this model works with all of your audio and video components, we will guide you in setting up your system to be as easy as possible.

Operations

Shows you how to operate the various functions available on this model.

Remote Control

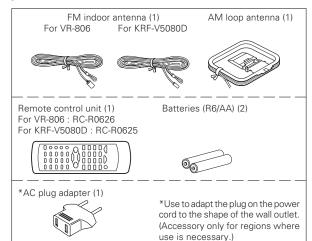
Shows you how to operate other components using the remote control, as well as a detailed explanation of all remote control operations. Once you have setup the remote control, you'll be able to operate both this model and your KENWOOD DVD player using the remote control supplied with this model.

Additional Information

Shows you additional information such as "In case of difficulty" (troubleshooting) and "Specifications".

Unpacking

Unpack the unit carefully and make sure that all accessories are present.



If any accessories are missing, or if the unit is damaged or fails to operate, notify your dealer immediately. If your unit was shipped to you directly, notify your shipper immediately. Kenwood recommend that you retain the original carton and packing materials in case you need to move or ship the unit in the future.

Keep this manual handy for future reference.

Maintenance of the unit

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

In regard to contact cleaner

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

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Caution : Read the pages marked / carefully to ensure safe operation.

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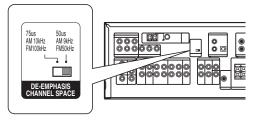
Additional Information

	In case of difficulty	รก
	Specifications	
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Channel space switching (Except for the U.S.A., Canada and Australia)

The space between radio channels has been set to the one that prevails in the area to which the system is shipped. However, if the current channel space setting does not match the setting in the area where the system is to be used, for instance when you move from area 1 or area 2 shown in the following table or vice versa, proper reception of AM/FM broadcasts cannot be expected. In this case, change the channel space setting in accordance with your area by referring to the following table.

	Area	CHANNEL Space Frequency
1.	U.S.A., Canada and South American countries	FM: 100 kHz AM: 10 kHz
2.	Other countries	FM: 50 kHz AM: 9 kHz



Turn the power OFF by pressing the POWER key before moving the switch level. Move the switch lever to match your area with a small screwdriver or other pointed tool, then turn the power ON again.

Memory back up function

Please note that the following items will be deleted from the unit's memory if the power cord is disconnected from the AC outlet for approximately 1 day.

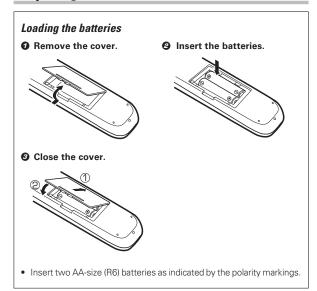
Power mode

10

- Input selector settings
- Picture output
- Speaker ON/OFF
- Volume level
- BASS, TREBLE, INPUT level
- TONE ON/OFF
- LOUDNESS ON/OFF
- Dimmer level
- MD/TAPE settings
- · Listen mode setting
- SP SYSTEM
- Speaker settings
- · Distance setting
- SUBWOOFER ON/OFF
- SW RE-MIX ON/OFF
- Input mode setting
- Midnight mode setting

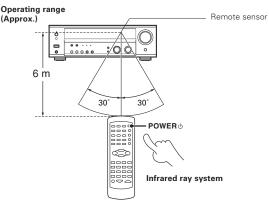
- · Broadcast band
- · Frequency setting
- Preset stations
- Tuning mode
- ACTIVE EQ mode
- PRO LOGIC II mode
- DSP mode
- Left channel level
- Right channel level
- Center channel level
- Surround channel level
- Surround Back channel level
- Subwoofer level
- PANORAMA ON / OFF DIMENSION
- CENTER WIDTH
- LFE level

Preparing the remote control



Operation

When the **STANDBY** indicator is lit, the power turns ON when you press the **POWER** b key on the remote control. When the power comes ON, press the key you want to operate.



 When pressing more than one remote control key successively, press the keys securely by leaving an interval of 1 second or more between keys.

Notes

- 1. The supplied batteries may have shorter lives than ordinary batteries due to use during operation checks.
- 2. When the remote-controllable distance gets shorter than before, replace both batteries with new ones.
- Placing the remote sensor in direct sunlight, or in direct light from a high frequency fluorescent lamp may cause a malfunction.
 In such a case, change the location of the system installation to prevent malfunction.

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 this model.
- Connect the equipment into an outlet on a circuit different from that to which this model 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.



As an ENERGY STAR® Partner, Kenwood Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. This product can save energy. Saving energy

reduces air pollution and lowers utility bills.

Special features

True home theater sound

This model incorporates a wide variety of surround modes to bring you maximum enjoyment from your video software. Select a surround mode according to your equipment or the software you are going to play and enjoy!

—23

Dolby Digital and Dolby Digital EX

The DOLBY DIGITAL mode lets you enjoy full digital surround from software processed in the Dolby Digital format. Dolby Digital provides up to 5.1 channels of independent digital audio for better sound quality and more powerful presence than conventional Dolby Surround. As for Dolby Digital EX, it creates six full-bandwidth output channels from the 5.1 channel sources. This is done using a matrix decoder that derives three surround channels from the two in the original recording. For best result, Dolby Digital EX should be used with movie soundtracks recorded with Dolby Digital Surround EX.

Dolby PRO LOGIC II x and Dolby PRO LOGIC II

DOLBY PRO LOGIC II, whilst totally compatible with its predecessor PRO LOGIC, provides greater advantages in surround sound. It allows user to enjoy the conventional stereo or Dolby Surround with a convincing "5.1 like" presentation. PRO LOGIC II offers special features for controlling the overall spatial, dimensionality and frontal sound field imaging. PRO LOGIC II produces an impressive surround sound from video software marked DO DOLLY SURROUND and three-dimensional space from music CD. When listening to music, you will be able to enjoy the experience of sheer STEREO surround sound.

DOLBY PRO LOGIC IIx enhanced DOLBY PRO LOGICII's features. It creates 6.1 channel and 7.1 channelsurround sound from stereo or 5.1 channel signals. This feature provides you an astonishing ambience effect which makes you feel you are surrounded by natural sound. Especially 7.1 channel surround sound can produce real back sound from Surround Back speakers.

DTS and DTS-ES

DTS (Digital Theater System) is a 5.1 channel digital audio format that provides five full-spectrum channels and one low-frequency (subwoofer) channel for unprecedented clarity, optimum channel separation and a (wide) dynamic range.

DTS-ES (Extended Surround) presents 6.1 channels surround system with additional Surround back channel which evolved from the conventional 5.1 channels surround system. DTS-ES format that was recorded in DVD, CD or LD comprises of two modes. DTS-ES Discrete 6.1 produces the discrete surround back which is completely independent and DTS-ES Matrix 6.1 produces the surround back which synthesized within the left and right surround channels using matrix technology. DTS-ES has perfect compatibility with the conventional 5.1 channels surround system. 6.1 channels surround with an additional surround back presents a more natural presence and surround effects by increasing the impression of the sound image from back.

Important:

When a DTS disc is played on a CD, LD or DVD player, noise may be output from the analog output. It is recommended that you connect the digital output of the player to the digital input of this unit.

Neo:6

Neo:6 is a new technology which was developed by DTS. It can produce high grade 6 channels surround with an astonishing fidelity from 2 channels content. Neo:6 has 2 modes, "CINEMA" mode is for movie playback and "MUSIC" mode is for music playback.

DSP surround modes

The DSP (Digital Signal Processor) used for this model incorporates a variety of high quality adjustable sound fields, like "ARENA", "JAZZ CLUB", THEATER", STADIUM" and "DISCO". It is compatible with almost any kind of program source.

DVD 6-channel input (KRF-V5080D only)

If you own a DVD player equipped with 6-channel output, this model allows you to obtain the full surround sound impact of DVD source material featuring multi-channel encoding. Since the source signals are digital and each channel is input independently, the resulting ambience is far superior to what can be achieved with conventional surround sound systems.

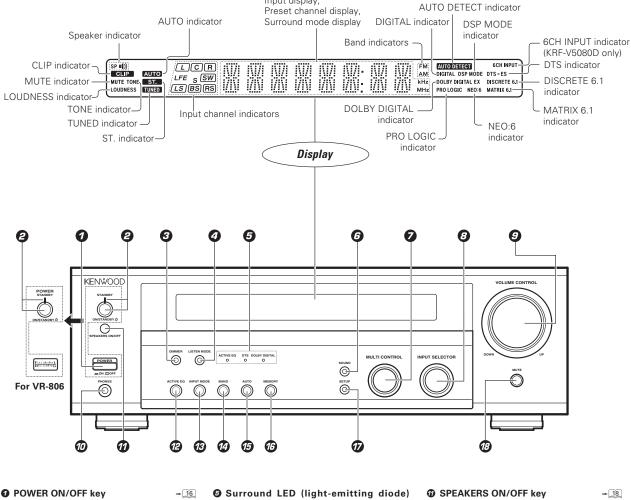
ACTIVE EQ

ACTIVE EQ mode will produce a more dynamic sound quality in any condition. You can enjoy a more impressive sound effect when ACTIVE EQ is turned on.

Universal IR (InfraRed) remote control

In addition to the basic receiver, the remote control supplied with this model can also operate KENWOOD DVD player. Just follow the simple setup procedure.

Main Unit



Frequency display, Input display,

0	POWER ON/OFF key
	(For KRF-V5080D)

Use to turn the main power ON/OFF.

② ON/STANDBY ⊕ key **-** 16 (For KRF-V5080D) Use to switch the power ON/STANDBY when the POWER is turned ON.

STANDBY indicator

❷ POWER ON/STANDBY ₼ key

Use to turn the power ON/STANDBY.

STANDBY indicator

DIMMER key

(For VR-806)

Use to select the REC MODE. **-** 20 Use to adjust the brightness of the display. + 27

LISTEN MODE key

Use to select the listening mode.

indicators

ACTIVE EQ mode LED indicator - 20 Lights when this model is in the ACTIVE EQ

DTS mode LED indicator Lights when this model is in the DTS mode. **DOLBY DIGITAL EX mode LED indicator**

Lights when this model is in the Dolby Digital EX mode.

6 SOUND key Use to adjust the sound quality and the ambience effects.

-16 MULTI CONTROL knob Use to control a variety of settings. **3** INPUT SELECTOR knob **-** 18 Use to select the input sources.

VOLUME CONTROL knob PHONES jack

Use for headphone listening.

Use to turn the speakers ON/OFF.

ACTIVE EQ key **-** 20 Use to select ACTIVE EQ setting.

10 INPUT MODE key + 8 Use to switch between full auto, digital and analog inputs.

BAND key + 21

Use to select the broadcast band. AUTO key

Use to change "TAPE" indication to "MD". **→** 18

Use to select the auto tuning mode. + 21 MEMORY key + 22 Use to store radio stations in the preset

memory. SETUP key + 16

Use to select the speakers' settings etc. + 20

 MUTE key Use to temporarily mute the sound.

Standby mode

While the standby indicator is lit, a small amount of power is supplied to the system to back-up the memory. This is called standby mode. Under the condition, the system can be turned ON by the remote control unit.

+ 16

→ 25

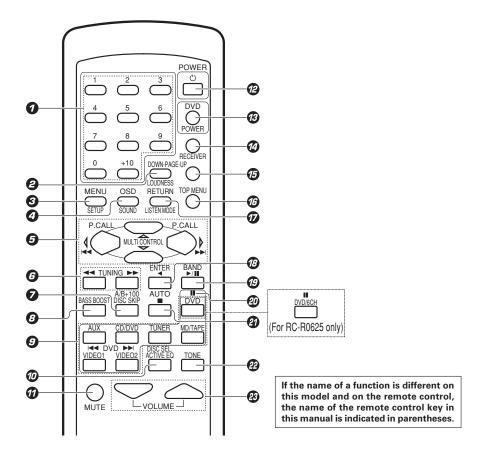
CAUTION

- 19

→ 20

The power in this equipment will not be completely cut off from the AC wall outlet when the main switch is turned OFF.

Remote control unit RC-R0626 (for VR-806) and RC-R0625 (for KRF-V5080D)



Numeric keys

→ 22 If CD or MD is selected as the input source, these keys function as numeric keys. If tuner is selected as the input source, these keys

are used to call up station presents. O DOWN-PAGE-key

Use to switch the DVD component. LOUDNESS key **2**0

Use to switch the status of LOUDNESS

MENU key

Use to operate the DVD component. SETUP key

Use to select the speakers' settings etc.

OSD (On Screen Display) key Use to operate the DVD component. SOUND key + 26

Use to adjust the sound quality and ambience effects

+ 16

⑤ MULTI CONTROL △/▽ keys

Use to control a variety of settings. Use to operate other components.

P.CALLi⊸ / ▶ keys 22 If tuner is selected as the input source, these keys function as preset channel call keys.

l⊲⊲/⊳⊳l keys

If CD or MD is selected as the input source, these keys function as skip keys.

→21 Use to operate the tuner or selected component.

If CD, MD or TAPE is selected as the input source, these keys function as search keys.

A/B keys

If TAPE is selected as the input source, this is A and B deck of a double cassette deck.

+100 keyl◄◄/▶► keys

Use to select the disc number with the multi-CD player

DISC SKIP key

If CD is selected as the input source, this key functions as the multi-CD player disc skip

BASS BOOST key **→** 19 Use to select the maximum adjustment

setting for the low frequency range. Input Selector keys [DVD or DVD/6CH (for RC-R0625 only), AUX, CD/DVD, TUNER, MD/TAPE, VIDEO 1, VIDEO 2]

Use to select the input sources.

I◄■ DVD ▶▶ keys

When in DVD player operations, these keys function as skip keys.

O DISC SEL. key II key

Use to operate other components. + 20 ACTIVE EQ key Use to select ACTIVE EQ setting.

 MUTE key ►/II key **→** 20 Use to temporarity mute the sound.

Use to turn this model on and off. **O DVD POWER key**

Use to turn on the DVD equipment.

RECEIVER key

Use to return to the operation of this model.

PAGE-UP key

Use to operate the DVD component.

TOP MENU key Use to operate the DVD component.

RETURN key

Use to operate the DVD component. LISTEN MODE key

Use to select the listening mode. © ENTER key

Use to operate other components.

Use to operate other components. BAND key

Use to select the broadcast band. ►/II key

If CD is selected as the input source, this keys function as the play/pause key. If MD or TAPE is selected as the input source,

this key functions as the play key.

② II key

+ 16

Use to operate other components.

Use to change "TAPE" indication to "MD"

Use to select the auto tuning mode.

If CD, MD or TAPE is selected as the input source, this key functions as the stop key. **②** TONE key

Use to switch the status of TONE control. **VOLUME** keys **+** 19

Use to adjust this model's volume.

+ 25

+ 16

+ 21

Setting up the system

Make connections as shown in the following pages. When connecting the related system components, be sure to refer to the instruction manuals supplied with the components you are connecting.

Do not connect the power cord to a wall outlet until all connections are completed.

Notes

- 1. Be sure to insert all connection cords securely. If their connections are imperfect, the sound may not be produced or there will be noise
- 2. Be sure to remove the power cord from the AC outlet before plugging or unplugging any connection cords. Plugging/unplugging connection cords without disconnecting the power cord can cause malfunctions and may damage the unit.
- 3. Do not connect power cords from components whose power consumption is larger than what is indicated on the AC outlet at the rear of this unit.

Analog connections

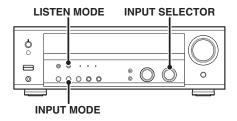
Audio connections are made using RCA pin cords. These cables transfer stereo audio signal in an "analog" form. This means the audio signal corresponds to the actual audio of two channels. These cables usually have 2 plugs at each end, red for the right channel and white for the left channel. These cables are usually packed together with the source unit, or are available at your local electronics retailer.

Microcomputer malfunction

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

Input mode settings

CD/DVD, VIDEO2, DVD (VR-806) and DVD/6CH(KRF-V5080D) inputs each include jacks for digital audio input and analog audio input. After completing connections and turning on this model, follow the steps below.



- 1 Use the INPUT SELECTOR knob to select CD/DVD, VIDEO2, DVD (VR-806 only), DVD/6CH (KRF-V5080D only).
- @ Press the INPUT MODE key.

Each press switches the setting as follows:

In DTS play mode

- F-AUTO (digital input, analog input)
- 2 D-MANUAL (digital input)

In CD/DVD, VIDEO2, DVD(VR-806 only), DVD/6CH(KRF-V5080D only) play mode

- ① F-AUTO (digital input, analog input)
 - ② **D-MANUAL** (digital input)
 - 3 6CH INPT (DVD/6CH input) (KRF-V5080D only)
- 4 ANALOG (analog input)

Digital input:

Select this setting to play digital signals from a DVD, CD, or LD player.

Analog input:

Select this setting to play analog signals from a cassette deck, VCR, or record player.

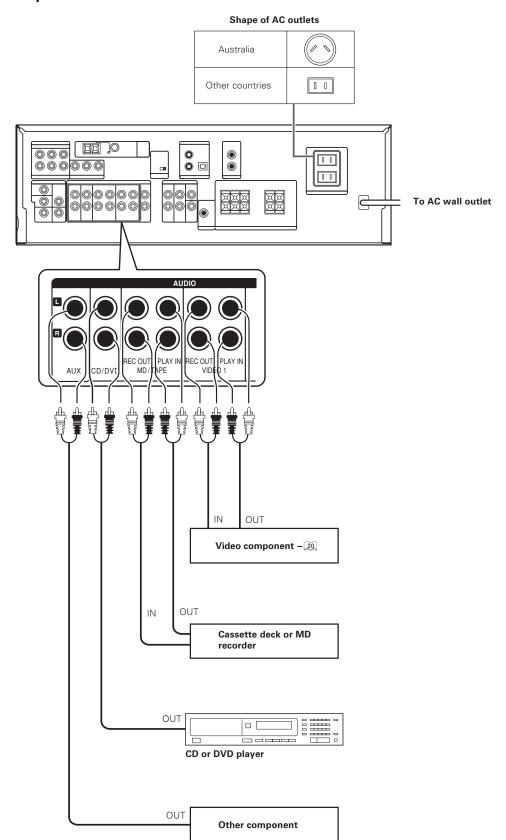
Auto detect:

In "F-AUTO" (full auto) mode (AUTO DETECT and DIGITAL indicators light up), this model detects the digital or analog input signals automatically. Priority is given to digital signal during input mode selection. This model will select the input mode and listening mode automatically during playback to match the type of input signal (Dolby Digital, PCM, DTS) and the speaker setting. The initial factory setting is full auto.

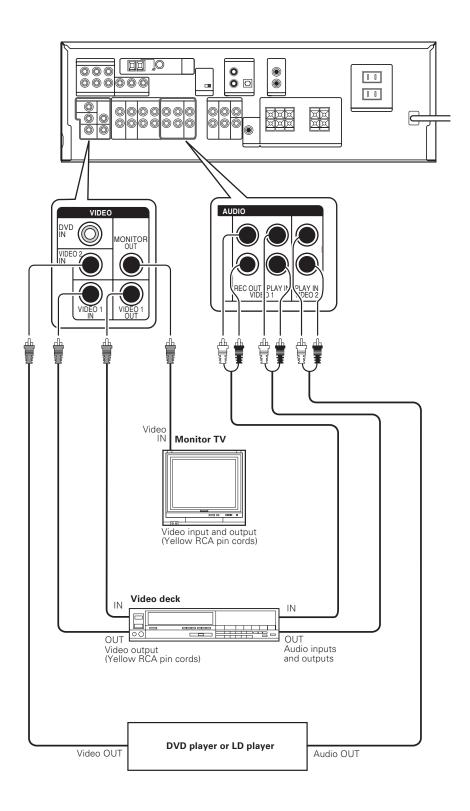
To keep this model set to the currently selected listening mode, use the INPUT MODE key to select "D-MANUAL" (digital manual). However, even when this setting is selected, there may be cases in which the listening mode is selected automatically to match a Dolby Digital source signal depending on the combination of listening mode and source digital.

In **D-MANUAL** mode, if the audio reproduction stops in the middle due to change in the input signals etc, press the LISTEN MODE key. If the INPUT MODE key is pressed quickly, sound may not be produced. Press the INPUT MODE key again.

Connecting audio components

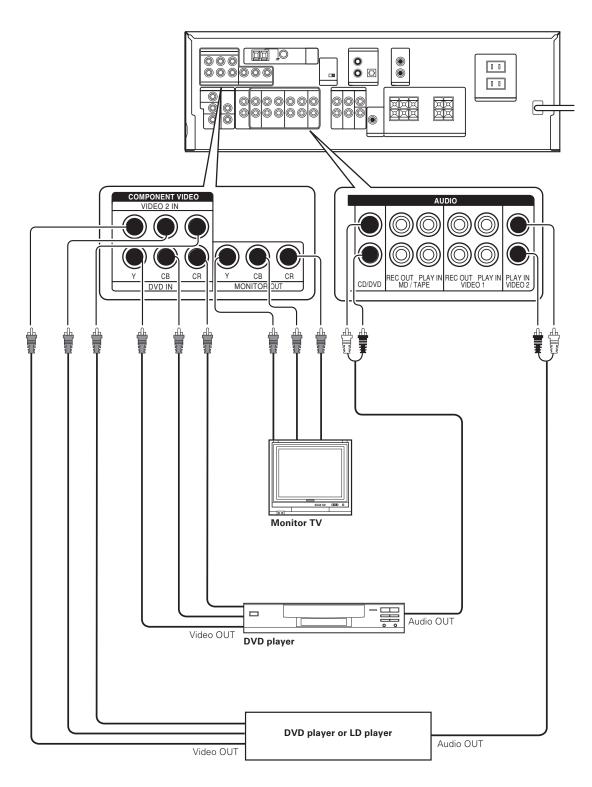


Connecting video components



Connecting video components (COMPONENT VIDEO) (Except for the Australia)

If you have connected this model to a video component with COMPONENT jacks, you can get a better picture quality than by connecting to the S-VIDEO jacks.

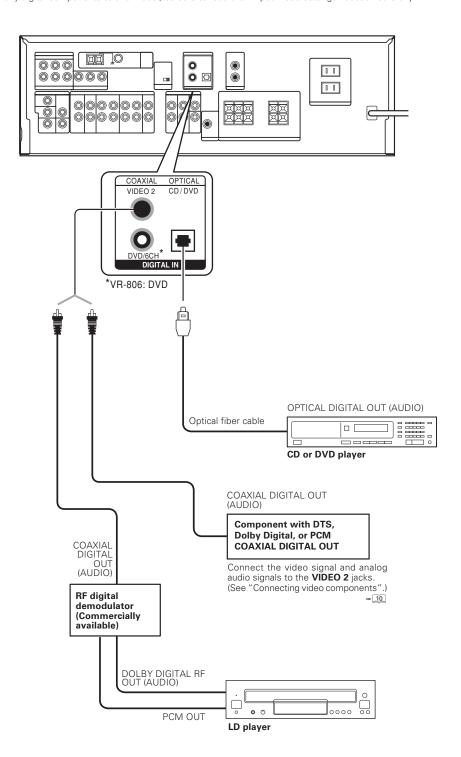


Digital connections

The digital in jacks can accept DTS, Dolby Digital, or PCM signals. Connect components capable of outputting DTS, Dolby Digital, or standard PCM (CD) format digital signals.

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If you have connected any digital components to this model, be sure to read the "Input mode settings" section carefully.

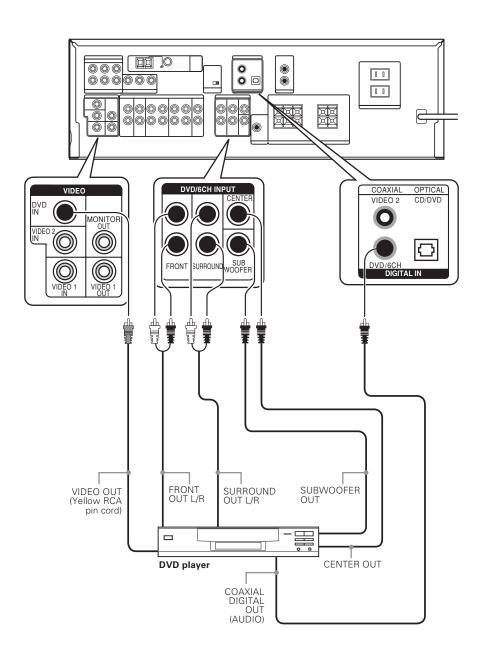


To connect an LD player with a DIGITAL RF OUT, connect the LD player to the RF digital demodulator (Commercially available). Next, connect the DIGITAL OUT jacks of the demodulator to the DIGITAL IN jacks of this model. Connect the video signal and analog audio signals to the VIDEO 2 jacks. (See "Connecting video components".)

Connecting a DVD player (6-channel input) (KRF-V5080D only)

If you have connected a DVD player to this model with digital connection, be sure to read the "Input mode settings" section carefully.

+ 8



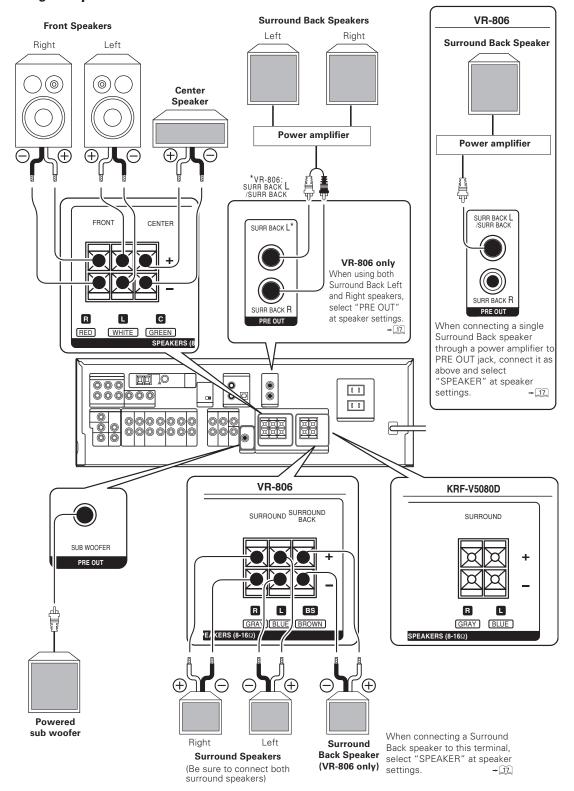
CAUTION

Be sure to adhere to the following, or proper ventilation will be blocked causing damage or fire hazard.

- Do not place any object impairing heat radiation onto the top of the unit.
- Leave a space around the unit (from the largest outside dimension including projection) equal or greater than, shown below.

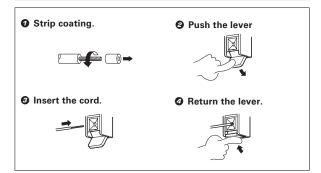
Top panel : 50 cm Side panel : 10 cm Back panel : 10 cm

Connecting the speakers



To make sure that each speaker has been connected properly, pay attention to the test tone from each speaker. Refer to " Adjust the speaker volume level".

Connecting the terminals

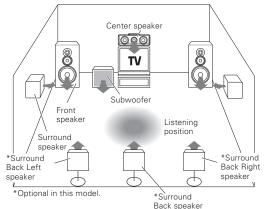


- Never short circuit the + and speaker cords.
- If the left and right speakers are connected inversely or the speaker cords are connected with reversed polarity, the sound will be unnatural with ambiguous acoustic imaging. Be sure to connect the speakers correctly.

Speaker impedance

After confirming the speaker impedance indications printed on the rear panel of this model, connect speakers with matching impedance ratings. Using speakers with a rated impedance other than that indicated on the rear panel of this model could result in malfunctions or damage to the speakers or this model.

Speaker placement



* For Surround Back speaker, you may place either two Surround Back speakers (Surround Back Left speaker and Surround Back Right speaker) for 7.1 channel surround sound system or one Surround Back speaker for 6.1 channel surround sound system.

Front speakers: Place to the front left and right of the listening position. Front speakers are required for all surround modes.

Center speaker: Place front and center. This speaker stabilizes the sound image and helps recreate sound motion. Required for surround playback.

Surround speakers: Place to the direct left and right, or slightly behind, the listening position at even heights, approximately 1 meter above the ears of the listeners. These speakers recreate sound motion and atmosphere. Required for surround playback.

Subwoofer: Reproduces powerful deep bass sounds.

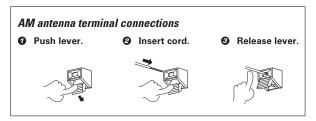
Surround Back speaker/s: Place the speaker/s directly at the rear of the listening position. The optimum position depends mainly on the room condition.

 Although the ideal surround system consists of all the speakers listed above, if you don't have a center speaker or a subwoofer, you can divide those signals between the available speakers in the speaker settings steps to obtain the best possible surround reproduction from the speakers you have available.

Connecting the antennas

AM loop antenna

The supplied loop antenna is for use indoors. Place it as far as possible from this model, TV set, speaker cords and power cord, and adjust the direction for best reception.



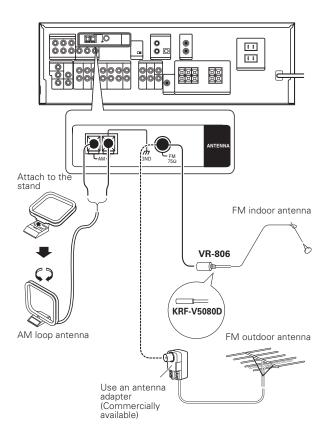
FM indoor antenna

The supplied indoor antenna is for temporary use only. For stable signal reception we recommend using an outdoor antenna. Disconnect the indoor antenna when you connect one outdoors.



FM outdoor antenna

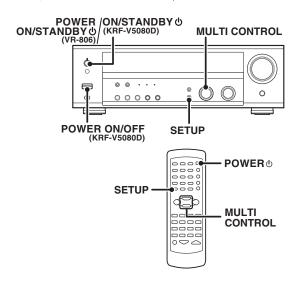
Lead the 75Ω coaxial cable connected to the FM outdoor antenna into the room and connect it to the FM 75Ω terminal.



Preparing for surround sound

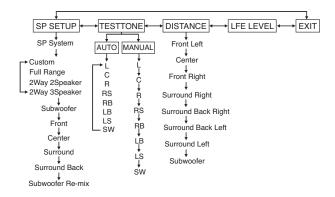
Speaker settings

To enable you to obtain optimum enjoyment from this model's listening modes, make sure to complete the speaker settings (Subwoofer, Front, Center, Surround and Surround Back speakers) as described below.



- **1** Turn on the power to this model by pressing POWER ON∕ STANDBY () (for VR-806) or POWER ON/OFF and ON/ STANDBY & (for KRF-V5080D) or POWER & key.
- Press the SETUP key to enter the SETUP mode and use the MULTI CONTROL CONTROL knob or MULTI CONTROL **CONTROL** \triangle/∇ keys for the following displays.
 - ► ① SP SETUP
 - 2 TESTTONE
 - **③ DISTANCE**
 - (4) LFE LVL
 - ⑤ EXIT

The flow of the SETUP is as follows;



(VR-806 only)

 If you have selected "SPEAKER" as the Surround Back setting, "RB"/ "Surround Back Right" and "LB" / "Surround Back Left" are not appeared but "BS" / "Surround Back" is appeared on the display.

3 Select a speaker system.

Select SP SETUP and press the SETUP key again so that the speaker system indication "SP SYSTEM" scrolls across the display.



Use the MULTI CONTROL CONTROL knob or MULTI CONTROL △/∇ keys to select the speaker system setting.

① CUSTOM : For general speakers.

2 FULL RANGE: For selected KENWOOD speaker - for example,

KS-207HT, KS-207EX, KS-208HT.

3 2WAY 2SPKR: For selected KENWOOD speaker - for

example, KS-307HT, KS-308HT, KS-308EX.

4 2WAY 3SPKR: For selected KENWOOD speaker - for

example, KS-707EX.

- The selection of 2WAY 2SPKR or 2WAY 3SPKR should only be used with 6 channels speaker system setting.
- When the setting 2WAY 2SPKR or 2WAY 3SPKR is selected, the procedure skips to step 4.
- For general speaker setting, use the MULTI CONTROL knob or MULTI CONTROL △/▽ keys to select CUSTOM and press the SETUP key again.
 - The Subwoofer setting indication "SUBW ON" appears.

SP #(I)			TI I		AUTO DETECT DIGITAL
	(LS)(BZ)(FS)\:	·		·	

② Use the MULTI CONTROL knob or MULTI CONTROL △/▽ keys to select the appropriate Subwoofer setting.

① **SUBW ON**: Subwoofer setting mode to this model is ON.

► ② **SUBW OFF**: Subwoofer setting mode to this model is OFF.

• The initial setting is "SUBW ON"

• When the setting "SUBW OFF" is selected, the front speakers are automatically set to "FRNT LRG" and the procedure skips to step 2

Before step 2, press the SETUP key to accept the setting.

• When Subwoofer output sound is required, select "FRNT NML".

Press the SETUP key to accept the setting.

The Front speakers setting indication "FRNT LRG" appears.

	->1/4->1/4				
SP =(0)	LS BS RS	/\	TL	RG	AUTO DETECT DIGITAL

6 Use the MULTI CONTROL knob or MULTI CONTROL △/▽ keys to select the appropriate Front speakers setting.

(1) FRNT LRG (large) : Large Front speakers are connected to this model.

2 FRNT NML (normal): Average size Front speakers are connected to this model.

• For "FRNT LRG" selection, no sound will be heard from subwoofer speaker even when it is set to ON. However, if you select "SW RE-MIX ON" when subwoofer is selected, you will be able to hear sound from the subwoofer.

When in STEREO mode, the sound goes directly to front speaker.

Press the SETUP key to accept the setting.

• The Center speaker setting indication "CNTR NML" appears.

 Use the MULTI CONTROL knob or MULTI CONTROL △/
 keys to select the appropriate Center speaker setting.

If you have selected "LRG" as the Front speakers setting,

► ① CNTR NML (normal): An average size Center speaker is

connected to this model.

② CNTR LRG (large) : A large Center speaker is connected to

this model

③ CNTR OFF : Center speaker setting mode to this model is OFF.

If you have selected "NML" as the Front speakers setting,

► ① CNTR NML (normal): An average size Center speaker is

 \bullet If subwoofer is turned OFF, subwoofer re-mix setting is not

visible.

connected to this model.

	_	connected to this model.	RMX ON: Subwoofer re-mix set mode to this model is O	N.
-	② CNTR OFF	: Center speaker setting mode to this	RMX OFF: Subwoofer re-mix set mode to this model is O	FF.
		model is OFF.		
			Press the SETUP key to accept the setting.	
9		gain to accept the setting.	_	
	• The surround speaker s	setting indication "SURR NML" appears.	4 Adjust the speaker volume level.	
ത	Use the MULTI CONTR	OL knob or MULTI CONTROL △/▽ keys	From your usual listening position, adjust the volume levels.	The
		ite Surround speaker setting.	volume levels from each speaker should be the same.	
			 In step 4 and 5, indications appear only for the selected chan 	ınels
	If you have selected "I	RG" as the Center speaker setting,	of the speakers that require adjusting.	
_	1 SURR NML (normal)	: Average size Surround speakers are	O D OFTUD TEST TONE	
	_	connected to this model.	• Press the SETUP key to begin TEST TONE.	
	② SURR LRG (large)	: Large Surround speakers are connected	 This model enters the speaker volume level adjustment me 	bue.
	③ SURR OFF	to this model.	The selection of AUTO/MANUAL TEST TONE is done by	the
-	3 SUKK OFF	: Surround speaker setting mode to this model is OFF.	MULTI CONTROL knob or MULTI CONTROL △/▽ keys.	tiic
		illouer is Of i.		
	If you have selected ot	her than "LRG" as the Center speaker	r► ① AUTO	
	setting,	•	L→ ② MANUAL	
_	1 SURR NML (normal)	: Average size Surround speakers are	O. D. AL OFFICE CO. A. A. ALITO MANUE	
		connected to this model.	Press the SETUP key again to select either AUTO or MANU	JAL.
-	② SURR OFF	: Surround speaker setting mode to this	Use the MULTI CONTROL knob or MULTI CONTROL △/▽ I	
		model is OFF.	to adjust the volume level of the test tone output from	the
	\A# #CLU	20.055%	speaker channel to be adjusted.	
		RR OFF" is selected, the procedure skips	For AUTO selection, the test tone is heard from the speal	kers
	to step 3.		in the following sequence for 2 seconds each:	
Ø	Press the SETUP key t	o accept the setting.	\longrightarrow L \rightarrow C \rightarrow R \rightarrow RS \rightarrow RB \rightarrow LB \rightarrow LS \rightarrow SW \longrightarrow	
		eaker setting indication "BS" appears.		
			, M.	
Ø		OL knob or MULTI CONTROL △/▽ keys	SP 4(t)	DETECT L
	to select the appropria	ite Surround Bback speaker setting.	9° 40) = 100 77 1 1 100 10	
	If you have calcuted "I	.RG" as the surround speaker setting,		
_		Average size Surround back speakers are	• If you change the volume level settings for the speakers w	مانط
	© 20 111112 (1101111101 1	connected to this model.	listening to music, the settings referred to on this page are	
	② BS LRG (large) :	Large Surround Back speaker is		- 26
		connected to this model.	 If any of the speaker is set as OFF during SP SET UP, the T 	
-	3 BS OFF :	Surround Back speaker setting mode to	TONE adjustment for the speaker will be skipped.	
		this model is OFF.		
	SP #(I) / L/C/R ":":	: : : (AUTO DESTECT)	(VR-806 only)	
	\\\\(I_sw\) :-	A DIGITAL	If you have selected "SPEAKER" as the Surround Back set "RR".	tıng,
	EBB	<u>l l l ll</u>	"RB" and "LB" are not appeared but "BS" is appeared.	
			Press the SETUP key.	
		IML" as the Surround speaker setting,	 The test tone is turned off. This model enters the model 	e for
_		verage size Surround Back speakers are	inputting the distance to the speakers.	
		onnected to this model.		
-	_	Surround Back speaker setting mode to	For MANUAL selection, press the SETUP key each time and the angelous the angel	e to
	U	nis model is OFF.	select the speaker channel.	
	(VR-806 only)		5 Input the distance to the speakers.	
		LRG" or "NML" as the surround back	miliput the distance to the speakers.	
	speaker setting,(VR-80		Select the DISTANCE from the set up displays and press	the
_	1 SPEAKER: Surrour	nd Back signal will be output from	SETUP key again.	
	SURRO	JND BACK speaker terminal, and SURR		
		/ SURR BACK PRE OUT terminal as	Measure the distance from the listening position to eac	h of
	monaura		the speakers.	
-		d Back signals will be output from SURR SURR BACK and SURR BACK R PREOUT	Jot down the distance to each of the speakers.	
		s as stereo.	Distance to Front Left speaker (L) : feet (meters)	
	terrilliai	o ao otaleu.	Distance to Center speaker (C) : feet (meters)	
B	Press the SFTLIP key a	gain to accept the setting.	Distance to Front Right speaker (R) : feet (meters)	
_	,	setting indication "SW RE-MIX" scrolls	Distance to Surround Right (RS) : feet (meters)	
	across the display.	211 5 217 1.2 30.0110	Distance to Surround Back Right (RB): feet (meters)	
			Distance to Surround Back (BS) : feet (meters) Distance to Surround Back Left (LB) : feet (meters)	
	SP (I) LCR (""	AUTO DETECT	Distance to Surround Left (LS) : feet (meters)	
	SW	M MET TIL	Distance to Subwoofer (SW) : feet (meters)	

 ${\bf @}$ Use the MULTI CONTROL knob or MULTI CONTROL \triangle/∇

keys to select the appropriate Subwoofer re-mix setting.

• If you have selected "SPEAKER" as the Surround Back setting,

"RB" and "LB" are not appeared but "BS" is appeared.

(VR-806 only)

② Use the MULTI CONTROL knob or MULTI CONTROL △/▽ keys to select the distance to the front speakers.



Indication in feet Indication in meters

- The allowable setting range is 1 to 30 feet (0.3m to 9.0m), adjustable in 1 foot (0.3m) increments.
- Press the SETUP key to accept the settings.
- Repeat steps ② and ② to input the distance for each of the speakers.

Adjust the LFE (low frequency effects) level.

- Select the LFE LEVEL from the set up displays and press the SETUP key again.
- ② Use the MULUTI CONTROL Knob or MULTI CONTROL △/▽ keys to adjust the LFE LEVEL.



- The LFE LEVEL can be adjusted from odB to -10dB in 1dB step decrements.
- Press the SETUP key to accept the setting.
- **3** Setup is complete when the EXIT indication appears.



- The speakers you have selected should appear on the display. Confirm that all the speakers have been correctly selected.
- G Press the SETUP key to exit the SETUP mode.

Input level adjustment (analog sources only)

If the input level of an analog source signal is too high, the CLIP indicator will blink to indicate the source signal. Adjust the input level.



- Use the INPUT SELECTOR knob to select the source of which the input level you want to adjust.
 - You can store a separate input level for each input source.
- Press the SOUND key repeatedly until the "INPUT" indication appears.
- **②** Use the MULTI CONTROL knob or MULTI CONTROL \triangle/∇ keys to adjust the input level.

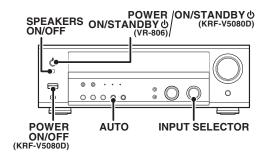


- The input level may be adjusted to any one of three settings: 0dB, -3dB, and -6dB. (The initial setting is 0dB.)
- **②** Press the SOUND key again to return to the input indication.

Normal playback

Preparing for playback

Some preparatory steps are needed before starting playback.



Turning on this model

- 1 Turn on the power to the related components.
- ② Turn on the power to this model by pressing POWER ON/ STANDBY ⊕ (VR-806) or POWER ON/OFF and ON/STANDBY ⊕ (KRF-V5080D) key.

Selecting the input mode

If you have selected a component connected to the **CD/DVD, VIDEO2, DVD (VR-806)** or **DVD/6CH (KRF-V5080D)** jacks, make sure that the input mode setting is correct for the type of audio signal to be used.

Selecting MD/TAPE

Select the source name corresponding to the component connected to the MD/TAPE jacks. The initial factory setting is "TAPE". To change the source to "MD", follow the steps below:

- **1** Use the INPUT SELECTOR knob to select "TAPE".
- Hold down the AUTO key for more than 2 seconds.
 - The source indication changes to "MD"
 - To return to the original indication, repeat procedure 2

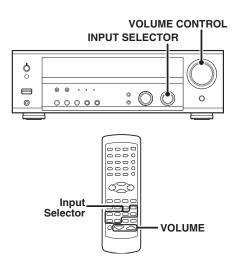
Setting the speaker status

The speaker indicator lights up.



Press the SPEAKERS ON/OFF key to switch the speaker on or off.

Listening to a source component

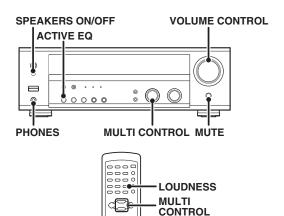


Use the INPUT SELECTOR knob or keys to select the source you want to listen to.

The input sources change as shown below:

- 1 "TUNER"
- ② "CD/DVD"
- ③ "TAPE" or "MD"
- 4 "VIDEO1"
- (5) "VIDEO1"
- 6 "DVD/6CH" (VR-806: "DVD")
- ⑦ "AUX"
- 2 Start playback from the selected source.
- Use the VOLUME CONTROL knob or VOLUME keys to adjust the volume.

Adjusting the sound



ACTIVE EQ

VOLUME

TONE

Adjusting the Tone (remote control only)

MUTE

BASS BOOST

You can adjust the sound quality when this model is in the PCM stereo and analog stereo mode.

- Press the TONE key to select the TONE mode.
- ② Use the MULTI CONTROL knob or MULTI CONTROL \triangle/∇ keys to select TONE ON/OFF.



When in TONE ON selection, press the TONE key for the following displays.

BASS: Select this to adjust the low frequency range. **TREB:** Select this to adjust the high frequency range.

② Use the MULTI CONTROL knob or MULTI CONTROL \triangle/∇ keys to adjust the sound quality.



 The bass and treble levels are adjustable from -10 to +10 in 2 step increments

Once-touch low frequency emphasis (Bass Boost) (remote control only)

You can adjust the sound quality when this model is in the PCM stereo and analog stereo modes.

Press the BASS BOOST key.

- Press the key once to select the maximum (+10) low frequency emphasis setting.
- TONE will automatically be turned ON.
- This key does not function when this model is in the sound quality or ambience effects adjustment mode.

Switching back to the previous setting

Press the BASS BOOST key again.

Adjusting the Loudness mode (remote control only)

You can adjust the Loudness function which controls the low volume settings to maintain the music's richness. The adjustment can be made when this model is in the PCM stereo and analog stereo mode.

Press the LOUDNESS key to turn the Loudness setting ON.

To cancel

Press the LOUDNESS key again so that the "LOUDNESS" indicator goes off.

Muting the sound

The MUTE key lets you mute the sound of the speakers.

Press the MUTE key.



To cancel

Press the MUTE key again so that the "MUTE" indicator goes off.

• MUTE ON can also be deactivated by turning the volume control knob.

ACTIVE EQ mode

You can enjoy a more impressive sound effect when ACTIVE EQ is turned ON during Dolby Digital and DTS playback and, when in PCM and analog stereo mode.

Press the ACTIVE EQ key for the following selections;

1 ACTIVE EQ MUSIC : Effective when listening to music. (The ACTIVE EQ LED indicator lights up.)

2 ACTIVE EQ CINEMA: Effective when watching a movie. (The ACTIVE EQ LED indicator lights up.)

3 ACTIVE EQ TV

: Effective when watching TV.

4 ACTIVE EQ OFF

(The ACTIVE EQ LED indicator lights up.) : The ACTIVE EQ function is turned OFF. (The ACTIVE EQ LED indicator goes off.)

• ACTIVE EQ function will not be available when REC MODE, AUTO TUNING or PRESET MEMORY is ON and during 96kHz LPCM playback.

Listening with headphones

O Press the SPEAKERS ON/OFF key so that the speaker indicator goes off.

Make sure the SP indicator is turned OFF.



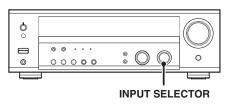
- If you turn off all of the speakers when in surround mode, the surround mode will be canceled as well, resulting in stereo playback.
- Connect headphones to the PHONES jack



Use the VOLUME CONTROL knob or VOLUME keys to adjust the volume.

Recording

Recording audio (analog sources)



Recording a music source

- 1 Use the INPUT SELECTOR knob to select the source (other than "MD/TAPE") you want to record.
- Set the MD or TAPE recorder to record.
- Start playback, then start recording.

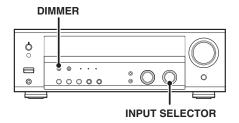
Recording video

- Use the INPUT SELECTOR knob to select the video source (other than "VIDEO1") you want to record.
- 2 Set the video deck connected to VIDEO 1 to record.
 - Select the REC mode to record a digital input source.
- Start playback, then start recording.
 - Recording may not be normal for some video software. This is due to the copy guard condition.

Recording audio (digital sources)

Switch on the REC mode to record a digital input source. Usually use the A-REC (Auto-Record) mode to record audio input sources. When the digital mode changes during recording in the A-REC mode, the audio input source may be interrupted momentarily.

Recording music in A-REC or M-REC mode



- Use the INPUT SELECTOR knob to select the source (CD/DVD, DVD/6CH (KRF-V5080D), DVD (VR-806) or VIDEO2) you want to record.
- Set the MD or TAPE recorder to record.

② Press and hold the DIMMER key for more than 2 seconds to select the A-REC or M-REC mode during digital input.

1 Rec mode off: The digital input record mode is switched off.

② A-REC mode : The digital input signals (DTS, Dolby Digital, or PCM) are identified automatically and

converted into stereo signals that are ready

for recording.

► ③ M-REC mode : The input signal type at the moment this mode is selected is held throughout this

• When the M-REC mode is selected, the digital input signal is converted to stereo signals (down-mix). But once the digital signal is chaned to other signal, no signal is output.

When the A-REC mode is selected, the digital input signal is converted to stereo signals even if the digital signal is changed.

For A-REC mode:



For M-REC mode:



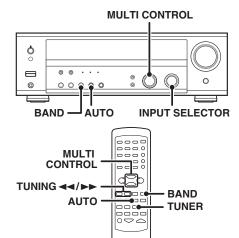
Start playback, then start recording.

• If the audio reproduction stops in the middle due to change in the input signals, etc., press the DIMMER key.

Listening to radio broadcasts

This model can store up to 40 stations in the memory and recall them by one-touch operation.

Tuning radio stations



- **1** Use the INPUT SELECTOR knob or TUNER key to select the tuner.
- 2 Use the BAND key to select the desired broadcast band.

Each press switches the band as follows:

- ① **FM** _ ② AM "AM" or "FM" indicator appears in the display



Use the AUTO key to select the desired tuning method.

Each press switches the tuning method as follows:

AUTO lit (auto tuning)

② AUTO not lit (manual tuning)

"AUTO" indicator lights up in the display.



• Normally, set to "AUTO" (auto tuning). If the radio waves are weak and there is a lot of interference, switch to manual tuning. (With manual tuning, stereo broadcasts will be received in monaural.)

4 Use the MULTI CONTROL knob or MULTICONTROL △/ ∇ keys, or TUNING $\blacktriangleleft \blacktriangleleft$ / $\blacktriangleright \blacktriangleright$ keys to select the station.

"ST." lights when a broadcast is being received in stereo.

Frequency display



"TUNED" is displayed when a station is received.

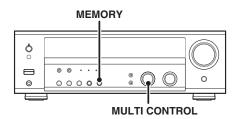
Auto tunina

: The next station is tuned automatically.

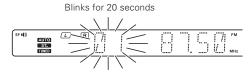
Manual tuning: Turn the knob (press the key) to select the desired

station.

Presetting radio stations manually



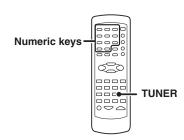
- 1 Tune to the station you want to store.
- 2 Press the MEMORY key while receiving the station.



Proceed to step **5** within 20 seconds. (If more than 20 seconds elapse, press the MEMORY key again).

- **3** Use the MULTI CONTROL knob or MULTI CONTROL \triangle /∇ keys to select one of the station presets (1 40).
- Press the MEMORY key again to confirm the setting.
 - Repeat steps 1, 2, 3, and 1 to store as many stations as necessary
 - If you store a station at a previously used preset, the previous station will be replaced by the new one.

Receiving preset stations



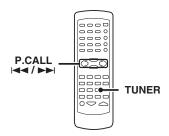
- **1** Press the TUNER key to select tuner as the source.
- Enter the number of the preset station you want to receive (up to "40").

Press the numeric keys in the following order:

• If you make a mistake entering a two digit number, press the +10 key repeatedly to return to the original display and start again.



Receiving preset stations in order (P.Call)



- **1** Press the TUNER key to select tuner as the source.
- 2 Use the P.CALL |◄◄/▶▶| keys to select the desired station.
 - Each time you press the key, another preset station is received in order.

Pressing the P.CALL ▶▶ does the following:

Pressing the P.CALL I◄◄ does the following:

Holding down the P.CALL ▶▶I or I◄◀ key, lets you skip through the presets, receiving each preset station at 0.5 second intervals.

Ambience effects

This model is equipped with listening modes that allow you to enjoy an enhanced sonic ambience with a variety of video sources.

In order to obtain the optimum effect from the surround modes, make sure to input the proper speaker settings beforehand.

Surround modes

The below speaker placements are for 5.1 channel surround sound system which are;

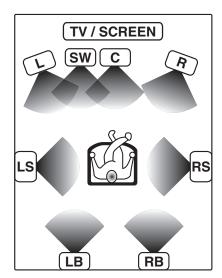
- Dolby Digital
- Dolby Pro Logic II
- DTS • DSP
- DVD 6-channel (KRF-V5080D only)

TV / SCREEN RS

No Surround Back speaker

The below speaker placements are for 7.1 channel surround sound system which is;

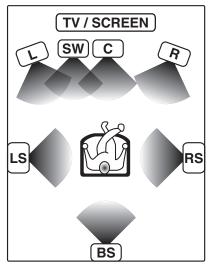
• Dolby Pro Logic IIx



With Surround Back Left and Right speakers

The below speaker placements are for 6.1 channel surround sound system which are:

- Dolby Digital EX
- DTS ES
- Neo:6



With Surround Back speaker

- Front Left speaker
- SW Subwoofer
- C Center speaker
- R Front Right speaker
- LS **Surround Left speaker**
- RS Surround Right speaker
- BS Surround Back speaker
- LB Surround Back Left speaker
- RB Surround Back Right speaker

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"DTS", "DTS-ES Extended Surround" and "Neo:6" are trademarks of Digital Theater Systems, Inc.



Note

LFE = Low Frequency Effects. This channel delivers separate nondirectional bass signals to the subwoofer for more dynamic deep

Dolby Digital

The Dolby Digital surround format lets you enjoy up to 5.1 channels of digital surround sound from Dolby Digital program sources (such as Laserdisc or DVD software marked DIGITAL). Compared with previous Dolby surround, Dolby Digital provides even better sound quality, greater spatial accuracy, and improved dynamic range.

Although a full set of speakers (front left, right, and center, surround left and right, and a subwoofer) is required for true 5.1 channel Dolby Digital surround sound, this model lets you enjoy Dolby Digital (and Dolby Surround) program sources, even if you connect only the front speakers.

Dolby Digital EX

Dolby Digital EX is an extension of Dolby Digital technology, Dolby Digital EX creates six full-bandwidth output channels from 6.1-channel sources. This is done using a matrix decoder that derives three surround channels from the two in the original recording.

This is achieved by using three different surround signals, surround left, surround right, and surround back, each driving its own array of speakers. Think of it as adding a center channel for the rear speakers, which give more diffuse and natural surround effect, even if you wanted the ability to completely encircle the audience with sound, positioning sound effects exactly where they would be heard in real life. For best results, Dolby Digital EX should be used with movie soundtracks recorded with Dolby Digital Surround EX which contain a digital flag that will automatically activate this feature. However, for titles released prior to late 2001, this feature has to be activated manually.

Although a full set of speakers (front left, right, and center, surround left and right, surround back and a subwoofer) is required for true 6.1 channel Dolby Digital Surround EX sound, this model lets you enjoy Dolby Digital (and Dolby Surround) program sources, even if you connect only the front speakers.

Although only Dolby Digital soundtracks incorporate a separate low frequency channel, connecting a subwoofer will also improve deep bass performance in the other surround modes.

Dolby Digital has a ".1" or LFE channel.

The indication "**LFE**" appears in the display when a signal is being input for this channel. —23

Dolby PRO LOGIC IIx and Dolby PRO LOGIC II

DOLBY PRO LOGIC IIx enhanced DOLBY PRO LOGICII's features. It creates 6.1 channel and 7.1 channel surround sound from stereo or 5.1 channel signals. This feature provides you an astonishing ambience effect which makes you feel you are surrounded by natural sound. Especially 7.1 channel surround sound can produce real back sound from Surround Back speakers.

The PRO LOGICIIx modes programmed into this model are "MOVIE", "MUSIC" and "GAME". The PRO LOGIC II modes programmed into this model are "MOVIE", "MUSIC", "GAME" and "PRO LOGIC". The "MOVIE" mode has preset characteristics to produce a calibrated, high-level surround sound playback while the "MUSIC" mode has user-adjustable characteristics to offer the three optional controls, like "Dimension", "Center Width" and "Panorama" modes to allow optimization of the soundfields as desired. The "Dimension" control allows the user to gradually adjust the soundfield either towards the front or towards the rear; the "Center Width" control allows various adjustment of the left-center-right speakers' balance; the "Panorama" mode extends the front stereo image to include the surround speakers for an exciting "wraparound" effect with side wall imaging.

The "GAME" mode provides surrounded and exciting sound when you enjoy game or TV. Especially in PRO LOGICIIX "GAME" mode, base sound not only from Front and Center but also from Surround channel is added to Subwoofer. This provides even more dynamic surround effects.

DTS-FS

DTS-ES (Digital Theater System-Extended Surround) presents 6.1 channels surround system with additional Surround Back channel which evolved from the conventional 5.1 channels surround system. DTS-ES format that was recorded in DVD, CD or LD comprises of two modes. DTS-ES Discrete 6.1 produces the discrete surround back which is completely independent and DTS-ES Matrix 6.1 produces the surround back which synthesised within the left and right surround channels using matrix technology. DTS-ES has perfect compatibility with the conventional 5.1 channels surround system. 6.1 channels surround with an additional surround back presents a more natural presence and surround effects by increasing the impression of the sound image from back. Programs which are recorded using DTS-ES technology consist of information flags which will be able to control the Discrete and Matrix mode. Thus, it can automatically select the best matched mode.

NFO:6

Neo:6 is a new technology which was developed by DTS. It can produce high grade 6 channels surround with an astonishing fidelity from 2 channels content. Neo:6 has 2 modes, "CINEMA" mode is for movie playback and "MUSIC" mode is for music playback.

DTS has a ".1" or **LFE** channel.

The indication "LFE" appears in the display when a signal is being input for this channel. -23

DTS

The DTS multi-channel audio format is available on CD, LD and DVD software. DTS is a strictly digital format and cannot be decoded inside most CD, LD or DVD players. For this reason, if you attempt to listen to DTS encoded software through the analog output of your new CD, LD or DVD player, you will experience digital noise in most cases. This noise can be quite loud if the analog output is connected directly to a high power amplification system. Proper measures for playing the digital output as described below should be taken to avoid this situation. To enjoy DTS Digital Surround playback, an external 5.1 channel DTS Digital Surround decoder system or an amplifier with a built-in DTS Digital Surround decoder must be connected to the digital output (S/P DIF, AES/EBU or TosLink) of a CD, LD or DVD player.

All models are incorporated with the DTS decoder.

DTS has a ".1" or \boldsymbol{LFE} channel.

The indication "**LFE**" appears in the display when a signal is being input for this channel.

-23

DSP mode

The DSP mode lets you add the atmosphere of a live concert or hall to almost any type of program source. These modes are particularly effective when used with stereo program sources, like CD, television, and FM radio. You might enjoy trying the ARENA, JAZZ CLUB, THEATER, STADIUM or DISCO mode the next time you watch a concert or sporting event!

What's DSP?

DSP stands for Digital Signal Processor.

The way a sound is heard in an actual environment depends on a variety of different factors. One of the most important is reverberation (the act of decaying elements of sound echoing in various places). The DSP modes produce the feeling of presence by using the DSP to create reverberation, without spoiling the sound quality of the original signal.

DVD 6-channel mode (KRF-V5080D only)

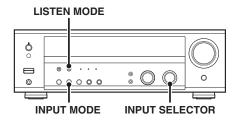
Using a DVD player or the like equipped with six (5.1) output channels and this model, you can enjoy multi-channel encoded DVD source material in all its splendor. Since the source signals are digital and each channel is input independently, the resulting sound quality, sense of spaciousness, and dynamic range are superb.

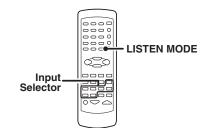
The indication "**6CH INPUT**" appears in the display when a signal is being input for this channel.

Surround play

The DTS compatible models can reproduce a CD, DVD, or LD carrying the DTS mark.

DOLBY DIGITAL can be used when playing DVD or LD software bearing the DICEONET mark and DOLBY DIGITAL format digital broadcasts (etc.). DOLBY PRO LOGIC can be used when playing video, DVD, or LD software bearing the DICEONEY SURROUND mark.





Preparations

- Turn ON related components.
- Complete "Preparing for surround sound" (speaker settings). 16
- Use the **INPUT SELECTOR** to select the component you wish to play back with surround sound.
- Use the **INPUT MODE** key to select the input mode (analog or digital) for the source you wish to playback.
- Noise will be produced when a DTS source is played by selecting the analog input.

1 Start playing the video software.

2 Press the LISTEN MODE key to select the listening mode.

The listening mode settings are stored separately for each input. If the input mode is set to full auto ("AUTO DETECT" lights), this model selects the optimal listening mode automatically based on the type of input signal and the speaker settings.

Each press of the LISTEN MODE key switches the setting as listed.

The listening mode settings are different depending on the type of input signal.

Dolby Digital Surround EX compliant disc :

But sometimes we find some discs which are Dolby Digital Surround EX compliant disc but it does not contain the identification signals. If you find the notice like "Surround EX" on the label of disc or package, you can choose **DOLBY DIGITAL EX** then you can enjoy Dolby Digital Surround EX sound.

When the DOLBY DIGITAL or DOLBY DIGITAL EX signal is input:

(The DOLBY DIGITAL or PRO LOGIC indicator lights up.)

1 DOLBY DIGITAL : DOLBY DIGITAL surround.

(The DOLBY DIGITAL indicator lights up.)

2 DOLBY DIGITAL EX: DOLBY DIGITAL EX surround.

(The DOLBY DIGITAL EX indicator lights

up.)

③ PL IIx MOVIE : PRO LOGIC IIx surround MOVIE mode. (The PRO LOGIC indicator lights up.)

4 PL IIx MUSIC : PRO LOGIC IIx surround MUSIC mode. (The PRO LOGIC indicator lights up.)

PL IIx GAME : PRO LOGIC IIx surround GAME mode.
 (The PRO LOGIC indicator lights up.)

(6) PL II MOVIE : PRO LOGIC II surround MOVIE mode.

(The PRO LOGIC indicator lights up.)

PRO LOGIC II surround MUSIC mode.

(The PRO LOGIC indicator lights up.) **8 PL II GAME**: PRO LOGIC II surround GAME mode.

(The PRO LOGIC indicator lights up.)

9 PRO LOGIC : PRO LOGIC II surround PRO LOGIC mode.

(The PRO LOGIC indicator lights up.)

(1) STEREO: Normal stereo playback.

When you select DOLBY DIGITAL

"DOLBY DIGITAL" will scroll from right to left.

|--|

When the DTS or DTS-ES (matrix, discrete or bitstream) signal is input:

(The DTS LED indicator lights up.)

1 DTS-ES MATRIX 6.1 : DTS-ES MATRIX 6.1 channel surround

mode. (The DTS-ES and MATRIX 6.1

indicators light up.)

② DTS-ES DISCRETE 6.1: DTS-ES DISCRETE 6.1channel surround

mode.(The DTS-ES and DISCRETE 6.1

indicators light up.)

③ DTS : DTS 5.1 ch surround mode

(The DTS indicators light up.)

4 DTS + NEO:6 CINEMA: DTS + NEO:6 surround CINEMA mode.

(The DTS and NEO:6 indicator lights up.)

· Normal stores playback

5 STEREO : Normal stereo playback

When the analog signal or the digital signal (except for DOLBY DIGITAL or DTS signal) is input:

① PL IIx MOVIE : PRO LOGIC IIx surround MOVIE mode.

(The PRO LOGIC indicator lights up.)

② PL IIx MUSIC :PRO LOGIC IIx surround MUSIC mode. (The PRO LOGIC indicator lights up.)

3 PL IIx GAME : PRO LOGIC II x surround GAME mode.

(The PRO LOGIC indicator lights up.)

4 PL II MOVIE : PRO LOGIC II surround MOVIE mode.

(The PRO LOGIC indicator lights up.)

⑤ PL II MUSIC : PRO LOGIC II surround MUSIC mode.

(The PRO LOGIC indicator lights up.)

(6) PL II GAME : PRO LOGIC II surround GAME mode.

(The PRO LOGIC indicator lights up.)

PRO LOGIC : PRO LOGIC II surround PRO LOGIC mode.

(The PRO LOGIC indicator lights up.)

NEO:6 CINEMA: NEO:6 surround CINEMA mode.

(The NEO:6 indicator lights up.)

NEO:6 MUSIC : NEO:6 surround MUSIC mode.

(The NEO:6 indicator lights up.)

(f) ARENA : DSP Surround ARENA mode.
(f) JAZZ CLUB : DSP Surround JAZZ CLUB mode.

Continued to next page

25 EN

THEATER
 STADIUM
 DSP Surround THEATER mode.
 DSP Surround STADIUM mode.
 DSP Surround DISCO mode.
 Normal stereo playback.

 Dolby Digital or DTS signal having more channels than the maximum number of playback channels available using this model's current settings is input, downmixing is performed to match the number of available channels.

3 Adjust the volume.

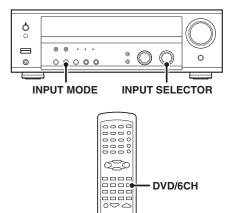
Notes

- Depending on the type of the signal or speaker setting, some listening modes cannot be selected.
- When playback is started, the sound may be cut or interrupted before the input source is confirmed as Dolby Digital.
- To enjoy Dolby Digital surround (as well as all the other listening modes) from a single component, be sure to use a Dolby Digital compatible source component.

DVD 6-channel playback (KRF-V5080D only)

Using a DVD player or the like equipped with six (5.1) output channels and this model, you can enjoy surround sound playback.

Connecting a DVD player which can decode the surround signal itself is also acceptable.



Preparations

- Connect your DVD player to the DVD/6CH jacks of this model.
- Turn on all other components that will be used.
- Complete "Preparing for surround sound".

+ 16

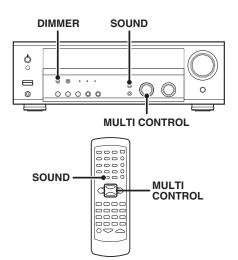
- **1** Select "DVD/6CH" as the input source.
- 2 Select "6CH INPT" by pressing the INPUT MODE key.
- 3 Start playback of the DVD software.

4 Adjust the volume.

 It is not possible to adjust the volume level or sound quality (SETUP, SOUND, LISTEN MODE, ACTIVE EQ and TONE keys will not be functional) of the channels separately when this model is in the 6CH INPUT mode. Adjust the volume with the controls of the DVD player.

For the powered subwoofer, you can adjust the volume of the subwoofer using the subwoofer's own volume control.

Convenient functions



Adjusting the sound

You can make further adjustments to the sound while listening to playback in the surround mode.

Press the SOUND key until the desired item appears in the display.

Each time you press the button, the menu changes as follows: Note that some items are not displayed depending on speaker settings and listening modes.

- ① C (Center speaker level adjustment)*
 - ② RS (Surround Right speaker level adjustment)*
 - 3 RB (Surround Back Right speaker level adjustment)*
 - 4 BS (Surround Back speaker level adjustment)* (VR-806 only)
 - (5) **LB** (Surround Back Left speaker level adjustment)*
 - 6 **LS** (Surround Left speaker level adjustment)*
 - (Subwoofer level adjustment)*
 - ® INPUT (input level adjustment analog mode only)
 - NIGHT (midnight mode ON/OFF Dolby Digital and DTS mode only)
 - PANORAMA (panorama mode ON/OFF)**
 - 1) DIMENSION (dimension adjustment) **
 - © CENTER WIDTH (center width adjustment)**
- 13 OFF
 - * The adjustment is only temporary for the current input selection. The value will return automatically to the original setup value when the power is turned on/off or when the input selection is changed.
- ** Pro Logic IIx and Pro Logic II Music mode only.

(VR-806 only)

- If you have selected "SPEAKER" as the Surround Back setting, "RB" and "LB" are not appeared but "BS" is appeared.
- ② Use the MULTI CONTROL knob or MULTI CONTROL △/▽ keys to adjust the setting as desired.

Midnight mode (Dolby Digital and DTS mode only)

When watching movies at night, you might not be able to raise the volume as loud as normal. Midnight mode compresses the dynamic range of previously specified heavy sound passage of the Dolby Digital and DTS sound track (like scenes with sudden increases in volume) to minimize the difference in volume between the scenes with heavy sound passage and scenes with normal sound passage. This makes it easy to hear all of the sound track, even when listening at low volumes.

Press the SOUND key repeatedly until "NIGHT" appears on the display.

- This can be selected only if CD/DVD, DVD/6CH (KRF-V5080D), DVD (VR-806) or VIDEO2 is selected as the source and the listen mode is set to "DOLBY DIGITAL" or "DTS".
- ② Use the MULTI CONTROL knob or MULTI CONTROL \triangle/∇ keys to select the ON or OFF setting.

-	(ca eti)		D	_							_	_	AUYO DETECT
	Sr u())	LFE	nm #		1	١	U	1		1	В	. !	DIGITAL
		LFE	- i	W		1 "1	Γ			-	1	W	DOLBY DIGITAL
		(LS)	HS :	**		·			٠	٠	•	••	

 Some Dolby Digital or DTS software may not be compatible with the Midnight mode.

Panorama mode (Pro Logic II x and Pro Logic II Music mode only)

When listening to music, you will be able to enjoy the "wraparound" sound effect when you adjust the panorama mode.

Press the SOUND key repeatedly until "PANORAMA" appears on the display.

• The PANORAMA setting indication scrolls across the display.

"PANORAMA" will be scrolled from right to left.

SP (1)	L	R	\Box		N.J					4		AUTO DETEGT Digital
			i	1 1	i Vi	l!	1 1	1 1	i	i	1 1	PRO LOGIC ·

② Use the MULTI CONTROL knob or MULTI CONTROL \triangle /∇ keys to select PANORAMA ON or OFF.

T (1) ON : PANORAMA mode is ON.

② **OFF**: PANORAMA mode is OFF.

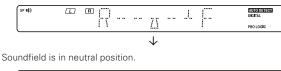
SP (1)	L	P [] \	AUTO DETECT DIGITAL
		II I \I	PRO LOGIC -

Dimension mode (Pro Logic II x and Pro Logic II Music mode only)

When listening to music with certain recordings, you will also be able to achieve a suitable balance from all the speakers by adjusting the dimension mode.

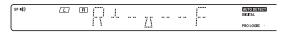
- Press the SOUND key repeatedly until "DIMENSION" appears on the display.
 - The DIMENSION indication scrolls across the display.
- **②** Use the MULTI CONTROL knob or MULTI CONTROL \triangle/∇ keys to adjust the soundfield towards the rear or the front.

Soundfield is adjusted towards the front.





Soundfield is adjusted towards the rear.



Center Width mode (Pro Logic II x and Pro Logic II Music mode only)

Center Width adjustment allows you to enjoy an enhanced sound when listening to music through center image from only center speaker, or left and right speakers or various combinations adjustments.

O Press the SOUND key repeatedly until "CENTER WIDTH" appears on the display.

- The CENTER WIDTH indication scrolls across the display.
- When the center speaker is switched OFF, this mode will not be

② Use the MULTI CONTROL knob or MULTI CONTROL △/▽ keys to adjust the left-center-right output.

Center image will be heard from center speaker only



Center image will be heard from left and right speakers only.

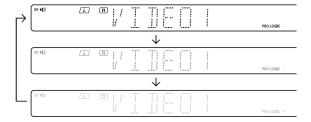


• When in other positions, center image from center speaker, left and right speakers can be heard simultaneously with various combinations.

Display dimmer adjustment

The dimmer function lets you select the brightness of this model's display. You might find this useful if you darken your room to watch movies or listen to music

Each time you press the DIMMER key, the display brightness changes among the three available settings. Select the brightness level you find most pleasing.



96kHz LPCM playback

This model is compatible with the 96kHz LPCM playback. To play a 96kHz DVD, set the listen mode to "STEREO".

- In F-AUTO input mode, the listen mode will automatically be STEREO.
- When in **D-MANUAL** input mode (listen mode is not STEREO), "FS 96kHz" will appear in the display and no sound can be heard from the

Press the LISTEN MODE key (the listen mode changes to the STEREO mode) to output sound from the speakers.

Basic remote control operations for other components

DVD player operation keys

The remote control of this unit can control two groups of KENWOOD DVD players directly without using the remote control supplied with the DVD player.

- Group-1: DV-4900, DV-4070B, DV-2070, DV-203, DVF-9010, DVF-K7010, DVF-S010, DVF-R9030, DVF-R7030, DVF-3530, DV-402, DV-5900, DV5700, DVF-R9050, DVF-J6050, DV-505, DV-503, DV-502, DVF-3550, DVF-3050, DVF-R4050, DVF-605, DV-6050, DVF-R5060, DVF-3060, DVF-3060, DVF-3060, DVF-705, DVF-R5070, DVF-3070, DVF-3080, DVF-N7080 and DVF-8100.
- Group-2: DV-4050, DV-303, DVF-R6030, DVF-K5020, DVF-5020, DVF-3020 and DVF-3030.

Depending on your KENWOOD DVD model, you need to set up your remote control as follows: To set for Group-1 DVD players:

Press the numeric "1" key while pressing the "POWER O" key (not the DVD POWER key) on your remote control.

To set for Group-2 DVD players:

Press the numeric "2" key while pressing the "POWER O" key (not the DVD POWER key) on your remote control.

• If your DVD player is not listed in the list above, perform the set up for either Group-1 or Group-2. When the set up is successful, then your DVD player falls into that particular group.

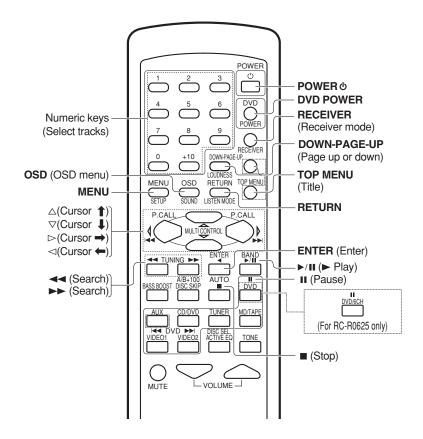
How to operate the DVD player with the remote control

- 1. Pressing the DVD POWER key for more than 2 seconds turns the DVD player on or off.
- To carry out the functions of the DVD player, first press the DVD POWER key, then press each key for each operation as explained in the DVD operation pages in the operating instructions. In this case, the DVD operation mode is retained for 15 seconds after pressing any of those DVD operation buttons.

(To turn the receiver operation mode within 15 seconds, press the **RECEIVER** key.)

DVD player operation keys

You can perform these basic operations using the keys described below when connected to KENWOOD DVD player.



Resetting the Microcomputer

The microcomputer may malfunction (unit cannot be operated, or shows an erroneous display) if the power cord is unplugged while the power is ON, or due to some other external factor. If this happens, execute the following procedure to reset the microcomputer and return the unit to its normal operating condition.

 Please note that resetting the microcomputer will clear the contents of the memory and return the unit to the state it was in when it left the factory.

For the U.S.A. and Canada

Unplug the power cord from the wall outlet, then plug it back in while holding down the POWER ON/STANDBY $\ \odot$ key.

For other countries

With the power cord plugged in, turn the POWER ON/ OFF key OFF. Then, while holding down the ON/STANDBY & key, press POWER ON/OFF key.

Amplifier

Symptom	Cause	Remedy
No sound from the speakers.	 The speaker cords are disconnected. VOLUME is set to the minimum position. MUTE is ON. The SPEAKERS switches are set to OFF. 	Connect them properly referring to "Connecting the speakers". Adjust the volume to a proper level. Turn OFF the MUTE. Set the SPEAKERS switch to ON. - 18
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 speaker is not set up correctly.	Connect it properly referring to "Connecting the speakers". Set it up properly referring to "Speaker settings".
Sound is not output from the surround speakers and / or the center speaker, or their sound is very soft.	The surround speaker cords and/or the center speaker cord is disconnected. The speaker is not set up correctly. A surround mode has not been activated. The surround and/or center volume controls are set to the minimum level.	Connect it properly referring to "Connecting the speakers". → 14 Set it up properly referring to "Speaker settings". → 16 Select a surround mode. Adjust the speaker levels using the test tone. → 17
When playing a Dolby Digital source signal using a DVD player, the sound is cut off soon after it starts.	• There are many possible causes for this problem, depending on the type of DVD player used.	Set the input mode to digital manual before starting playback of the Dolby Digital source.
No sound is produced during playback from a DVD player.	• The input mode is set to digital manual.	Press the INPUT MODE key to select to full auto mode.
A video source cannot be recorded normally.	• The software is copy-guarded.	Copy-guarded video software cannot be recorded.

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. — 21
Interference.	 Noise due to ignition of an automobile. Noise due to interference 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 receiver farther away from the TV.
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.

Remote control unit

Symptom	Cause	Remedy
Remote control operation is not possible.	The remote control is set to a different operation mode. 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 between the receiver and the remote. No tape or CD is placed in the source component.	Press the any of the Input Selector keys to select the appropriate operation mode. Replace with new batteries. Operate the remote control unit within the controllable range. Place the tape or CD in the source component which you want to play.
	An attempt is made to play a tape which is being recorded in the cassette deck. The remote control has not been set to the operation mode for the KENWOOD DVD player you wish to control.	Press the DVD POWER key for more than 2 seconds to activate the operation mode for the KENWOOD DVD player you want to control before operation. Press the DVD POWER key for more than 2 seconds to activate the operation mode for the KENWOOD DVD player you want to control before operation.

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

For the U.S.A and Canada **AUDIO** section

Rated power output during STEREO operation

100 watts per channel minimum RMS, both channels driven, at 8Ω from

40 Hz to 20 kHz with no more than 0.7% total harmonic distortion. (FTC) Effective power output during SURROUND operation FRONT (40 ~ 20 kHz, 0.7% T.H.D. at 8Ω one channel driven) 100 W + 100 W CENTER (40 ~ 20 kHz, 0.7% T.H.D. at 8 Ω one channel driven) Frequency response CD/DVD 20 Hz ~ 70 kHz, +0 dB, -3.0 dB Signal to noise ratio (IHF'66) Input sensitivity / impedance CD/DVD 550 mV / 47 kΩ Output level / impedance TAPE REC PRE OUT (SUBWOOFER) 1.5 V / 2.2 kΩ

PRE OUT (SURROUND BACK) 1.5 V / 2.2 kΩ

BASS ±10 dB (at 100 Hz)

TREBLE ±10 dB (at 10 kHz)

VOLUME at -30dB level +8 dB (at 100 Hz)

For other countries **AUDIO** section

Loudness control

Tone control

Rated power output during STEREO operation

100 watts per channel minimum RMS, both channels driven, at 8\Omega from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion. (FTC)

Effective power output during SURROUND operation FRONT

(1 kHz, 0.7% T.H.D. at 8Ω one channel driven) 100 W + 100 W
(1 kHz, 10% T.H.D. at 8Ω one channel driven) 120 W + 120 W
CENTER
(1 kHz, 0.7% T.H.D. at 8Ω one channel driven)
(1 kHz, 10% T.H.D. at 8Ω one channel driven)
SURROUND
(1 kHz, 0.7% T.H.D. at 8Ω one channel driven) 100 W + 100 W
(1 kHz, 10% T.H.D. at 8Ω one channel driven) 120 W + 120 W
Total harmonic distortion0.05% (1 kHz, 50 W, 8Ω)
Frequency response
CD/DVD
Signal to noise ratio (IHF'66)
CD/DVD, AUX, TAPE, VIDEO 1, VIDEO 2
Input sensitivity / impedance
CD/DVD 550 mV / 47 kΩ

Output level / impedance	
TAPE REC	550 mV / 1 kΩ
PRE OUT (SUBWOOFER)	1.5 V / 2.2 kΩ
Tone control	
BASS	±10 dB (at 100 Hz)
TREBLE	±10 dB (at 10 kHz)
Loudness control	
VOLUME at -30dB level	+8 dB (at 100 Hz)

DVD/6CH INPUT...... 550 mV / 15 kΩ

DIGITAL AUDIO section

Input level / impedance / wave length

nm 75 Ω
75 Ω
)
75 Ω
75 Ω
MHz

VR-806 . 1.3 μ V (75 Ω)/ 13.2 dBf (75 kHz DEV., SINAD 30 dB) KRF-V5080D 1.6 μV (75 Ω)/ 15.2 dBf (75 kHz DEV., SINAD 30 dB)

50dB quieting sensitivity STEREO28 μV (75 Ω)/ 40.2 dBf Total harmonic distortion (1 kHz) MONO 0.5% (71.2 dBf input) STEREO 0.7% (71.2 dBf input) Signal to noise ratio (1 kHz, 75 kHz DEV.) MONO 75 dB (71.2 dBf input) STEREO 68 dB (71.2 dBf input) Stereo separation (1 kHz) 40 dB Selectivity (±400 kHz) VR-806 70 dB

Frequency response (30 Hz ~ 15kHz), +0.5 dB, -3.0 dB

KRF-V5080D 50 dB

AM tuner section

Tuning frequency range	
10 kHz step (VR-806)	530 kHz ~ 1,700 kHz
10 kHz step (KRF-V5080D)	530 kHz ~ 1,610 kHz
9 kHz step (KRF-V5080D)	531 kHz ~ 1,602 kHz
Usable sensitivity (30% mod., S/N 20dB) (VR-	806)
	16 μV / (600 μV/m)
Usable sensitivity (KRF-V5080D)	
Signal to noise ratio (30% mod. 1 mV input)	50 dB

GENERAL

Power consumption VR-806

1 Ower consumption vit-ood	
KRF-V5080I	D 280W
AC outlet	
SWITCHED	
VR-806	(total 150 W, 1.25 A max.)
KRF-V5080D	(total 90 W max.)
	H : 143 mm (5-5/8")
	D: 303 mm (11-15/16")
Weight (Net)	,
VR-806	7.7 kg (17.0 lb)

KRF-V5080D (for the Australia) 7.8 kg (17.2 lb) KRF-V5080D (except for the Australia) 8.8 kg (19.4 lb)

Notes

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

KHNW()(

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	

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