



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for KENWOOD KRF-V6080D. You'll find the answers to all your questions on the KENWOOD KRF-V6080D in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual KENWOOD KRF-V6080D  
User guide KENWOOD KRF-V6080D  
Operating instructions KENWOOD KRF-V6080D  
Instructions for use KENWOOD KRF-V6080D  
Instruction manual KENWOOD KRF-V6080D

# KENWOOD

AUDIO VIDEO SURROUND RECEIVER  
**KRF-V6080D**

INSTRUCTION MANUAL

KENWOOD CORPORATION

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

ENGLISH

FRANCOIS

DEUTSCH

NEEDERLANDS

ITALIANO

ESPAÑOL

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**Manual abstract:**

S.A. and Canada .....

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AC 120 V only Australia .....

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... AC 240 V only Europe and U.

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... AC 230 V only China and Russia .....

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... AC 220 V only Other countries ..

..... AC 110-120 / 220-240 V switchable\* Caution : Read this page carefully to ensure safe operation. 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. ENGLISH Operations Shows you how to operate the various functions available on this model. Safety precautions WARNING : TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN 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 registered your components with the proper setup codes, you'll be able to operate both this model and your other AV components (TV, VCR, DVD player, CD player, etc.) using the remote control supplied with this model. Additional Information Shows you additional information such as "In case of difficulty" (troubleshooting) and "Specifications".

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

FM indoor antenna (1) AM loop antenna (1) Remote control unit (1) RC-R0825 Batteries (R6/AA) (2) 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. ¶ 4 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 needs to move or ship the unit in the future. Keep this manual handy for future reference. + 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. 2 EN \*5440/01-06/1EN 2 04.1.27, 8:20 PM Before applying the power Contents Caution : Read the pages marked safe operation. carefully to ensure Preparing the remote control Loading the batteries 1 Remove the cover. 2 Insert the batteries. Before applying the power .

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*... 2 Safety precautions .....*

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*..... 15 Operation When the STANDBY indicator is lit, the power turns ON when you press the POWER RCVR key on the remote control.*

*When the power comes ON, press the key you want to operate. Operating range (Approx.) Remote sensor Normal playback .....*

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40 3 EN \*5440/01-06/1EN 3 04.1.27, 8:20 PM Before applying the power Special features True home theater sound This model incorporates a wide variety of surround modes to bring you maximum enjoyment from your video software.



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Select a surround mode according to your equipment or the software you are going to play and enjoy!  $\epsilon$  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. ENGLISH 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. DVD 6-channel input 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. Dolby PRO LOGIC IIx 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 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 LOGIC II'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.

Universal IR (InfraRed) remote control In addition to the basic receiver, the remote control supplied with this model can also operate almost all of your remote controllable audio and video components. Just following mode.  $\dot{\jmath}$  ^ MEMORY key  $\dot{\jmath}$  Use to store radio stations in the preset memory. & SETUP key % Use to select the speakers' settings etc. \* 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. CAUTION The power in this equipment will not be completely cut off from the AC wall outlet when the main switch is turned OFF. 5 EN

\*5440/01-06/1EN 5 04.

1.27, 8:20 PM Names and functions of parts Remote control unit This remote control unit can be use not only for Kenwood products but also for non-Kenwood products by setting the appropriate manufacturer's setup codes. ° ^ 1 TUNER VID1 DVD 6CH CD DVD MD TAPE VID2 & \* ( PHONO ENGLISH 2 3 SR 4 3 P. Call Multi 5 6 P. Call 2 1 T C Po POWER RCVR TV o VP w 4 5 6 7 8 9 0 ! @ # \$ % 1 Source keys (PHONO, VID2, VID1, TUNER, DVD/6CH, CD/DVD, MD/TAPE) ° When press and hold for more than 3 seconds, they are used to select the registered components.

Input Selector keys (PHONO, VID2, VID1, TUNER, DVD/6CH, CD/DVD, MD/TAPE) \* When press and release in less than 3 seconds, they are used to select the input sources. 2 SRC (source) Power key Use to turn the other source components on and off. 3 Numeric keys ° Provide functions identical to those of the original remote control supplied with the component you are controlling. Multi (multi control) %/fi keys % Use to control a variety of settings. Use to operate other components.

P.Call @/# keys <sup>TM</sup> If tuner is selected as the input source, these keys function as preset channel call keys. Enter key Use to operate other components. 4 Return key Use to operate the DVD component. Exit key Use to operate other components. 5 Disc Skip key If CD is selected as the input source, this key functions as the multi-CD player disc skip key. Last/A/B key If TAPE is selected as the input source, this is A and B deck of a double cassette deck. Use to operate other components. 6 Disc Sel. key Use to operate other components.

Input Sel. key Use to operate other components. 7 CH +/- keys Use to select the channels. 4/¢ keys If CD, MD or DVD is selected as the input source, these keys function as skip keys. + 10 Return Exit Disc Sel. Input Sel.  $\epsilon$  r we er Enter Multi 7 8 0 RDS Disp. Page 9 PTY )  $\dot{\jmath}$  <sup>TM</sup> £ ¢ ∞ § ¶ • ° / ¨ + 100 TV Mute OSD Last / A/B Disc Skip Menu Mute Guide + CH Tone + VOL 4 -- Tune - TV VOL Sound - TV Input Bass Boost + Auto Band Tune + Dimmer Top Menu Setup Loudness Info / Flip Input Mode Listen Mode Active EQ Remote Setup If the name of a function is different on this model and on the remote control, the name of the remote control key in this manual is indicated in parentheses. 8 Tone key ( Use to switch the status of TONE control. Sound key • Use to adjust the sound quality and ambience effects.

9 TV VOL +/- keys Use to adjust the TV's volume. 0 8 key Use to operate other components. Dimmer key ° Use to adjust the brightness of the display. ! 6 key If CD is selected as the input source, this key functions as the play/pause key. If MD or TAPE is selected as the input source, this key functions as the play key. Band key  $\dot{\jmath}$  Use to select the broadcast band. @ Input Mode key 7 Use to switch between full auto, digital and analog inputs. # Listen Mode key § Use to select the listening mode. \$ 2 key If TAPE is selected, this key functions as reverse play key. Info/Flip key Use to operate other components.

% Active EQ key ( Use to select ACTIVE EQ setting. ^ LED (light-emitting diode) indicator Blinks to show that signals are being transmitted. & TV key Use to select the TV equipment. \* POWER RCVR (receiver) key % Use to turn this model on and off. ( TV Power key Use to turn the TV on and off. ) +100 key Use to select the disc number with the multiCD player. TV Mute key Use to temporarily mute the TV sound.  $\dot{\jmath}$  Page ∞/5 keys Use to operate other components. RDS Disp. key <sup>TM</sup> Use for RDS function.



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PTY key £ Use for PTY search. <sup>TM</sup> OSD (on screen display) key Use to operate the DVD component. Guide key Use to operate other components. £ Menu key Use to operate other components. ¢ Mute key ( Use to temporarily mute the sound. ∞ VOL +/- keys \* Use to adjust this model's volume. § TV Input key Use when in TV operation. ¶ Bass Boost key ( Use to select the maximum adjustment setting for the low frequency range. • 1/; key If CD, MD or TAPE is selected as the input source, these keys function as search key. Tune -/+ key j Use to operate the tuner mode.

<sup>a</sup> ¶ key If MD or TAPE is selected, this key functions as record key. If VCR is selected, this key functions as record key when it is pressed twice sequentially. Top Menu key Use to operate other components. Setup key % Use to select the speakers' settings etc. ° Loudness key ( Use to switch the status of LOUDNESS. /Remote Setup key Use to register other components. ⌂ 7 key If CD, MD or TAPE is selected as the input source, this key functions as the stop key. j Auto key Use to select the auto tuning mode. 6 EN \*5440/01-06/1EN 6 04.1.

27, 8:20 PM 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. Input mode settings CD/DVD, VIDEO2 and DVD/6CH inputs each include jacks for digital audio input and analog audio input. After completing connections and turning on this model, follow the steps below. LISTEN MODE 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 interference. 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. INPUT SELECTOR ENGLISH INPUT MODE 1 Use the INPUT SELECTOR knob to select CD/DVD, VIDEO2, DVD/6CH. 2 Press the INPUT MODE key. Each press switches the setting as follows: In DTS play mode 1 F-AUTO (digital input, analog input) 2 D-MANUAL (digital input) In CD/DVD, VIDEO2, DVD/6CH play mode 1 F-AUTO (digital input, analog input) 2 D-MANUAL (digital input) 3 6CH INPT (DVD/6CH input) 4 ANALOG (analog input) 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". ° 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. 7 EN \*5440/07-14/1EN 7 04.1.27, 8:21 PM Setting up the system Connecting audio components EUROPE ENGLISH To AC wall outlet AUDIO L R PHONO CD/DVD GND REC OUT PLAY IN REC OUT PLAY IN MD / TAPE VIDEO 1 IN OUT ) Video component IN OUT Cassette deck or MD recorder OUT CD or DVD player OUT Moving coil (MC) cartridge record player cannot be used directly from this model unit. It can only be used when another equalizer amplifier is connected. Record player 8 EN \*5440/07-14/1EN 8 04.1.27, 8:21 PM Setting up the system Connecting video components About the S-VIDEO jacks S-VIDEO S-VIDEO S-VIDEO jacks VIDEO 2 IN DVD IN MONITOR OUT ENGLISH Use the S-VIDEO jacks to make connections to video components with S-VIDEO IN/OUT jacks. • If you use the S-VIDEO jacks to connect your video playback components, be sure to use the S-VIDEO jacks when connecting your monitor and video recording components.

VIDEO DVD IN VIDEO 2 IN AUDIO MONITOR OUT VIDEO 1 IN VIDEO 1 OUT REC OUT PLAY IN PLAY IN VIDEO 1 VIDEO 2 Video IN Monitor TV Video inputs (Yellow RCA pin cords) Video deck IN IN OUT Video inputs and outputs (Yellow RCA pin cords) OUT Audio inputs and outputs DVD player or LD player Video OUT Audio OUT A video component with digital audio outputs should be connected to the VIDEO 2 jacks. 9 EN \*5440/07-14/1EN 9 04.1.27, 8:21 PM Setting up the system Connecting video components (COMPONENT VIDEO) If you have connected the receiver to a video component with COMPONENT jacks, you can get a better picture quality than by connecting to the S-VIDEO jacks. ENGLISH COMPONENT VIDEO VIDEO 2 IN AUDIO Y CB DVD IN CR Y CB CR MONITOR OUT CD/DVD REC OUT PLAY IN REC OUT PLAY IN PLAY IN MD / TAPE VIDEO 1 VIDEO 2 Monitor TV Audio OUT Video OUT DVD player Video component Video OUT Audio OUT When connecting the TV to the COMPONENT jacks, be sure to connect all the other components to the COMPONENT jacks. 10 EN \*5440/07-14/1EN 10 04.1.27, 8:21 PM Setting up the system 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. If you have connected any digital components to this model, be sure to read the "Input mode settings" section carefully. 7 ENGLISH COAXIAL VIDEO 2 OPTICAL CD / DVD DVD / 6CH DIGITAL IN OPTICAL DIGITAL OUT (AUDIO) Optical fiber cable CD or DVD player COAXIAL DIGITAL OUT (AUDIO) Component with DTS, Dolby Digital, or PCM COAXIAL DIGITAL OUT Connect the video signal and analog audio signals to the VIDEO 2 jacks.



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(See "Connecting video components".) 9 COAXIAL DIGITAL OUT (AUDIO) RF digital demodulator (Commercially available) DOLBY DIGITAL RF OUT (AUDIO) PCM OUT LD player 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".) 11 EN \*5440/07-14/1EN 11 04.1.27, 8:21 PM Setting up the system Connecting a DVD player (6-channel input) If you have connected a DVD player to this model with digital connection, be sure to read the "Input mode settings" section carefully. 7 ENGLISH DVD IN VIDEO DVD IN VIDEO 2 IN MONITOR OUT DVD / 6CH INPUT CENTER COAXIAL VIDEO 2 OPTICAL CD / DVD FRONT SURROUND SUB WOOFER VIDEO 1 IN VIDEO 1 OUT DVD / 6CH DIGITAL IN VIDEO OUT (Yellow RCA pin cord) FRONT OUT L/R SURROUND OUT L/R SUBWOOFER OUT DVD player S-VIDEO OUT COAXIAL DIGITAL OUT (AUDIO) CENTER OUT S-VIDEO cord 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 12 EN \*5440/07-14/1EN 12 04.1.27, 8:21 PM Setting up the system Connecting the speakers Front Speakers Right Left Surround Back Speakers When using both Surround Back Left and Right speakers, select "PRE OUT" at speaker settings. ^ Center Speaker Left Right Surround Back Speaker ENGLISH Power Amplifier Power Amplifier FRONT CENTER SURR BACK L /SURR BACK SURR BACK L /SURR BACK + SURR BACK R PRE OUT R RED L WHITE C GREEN SPEAKERS (8-16Ω) SURR BACK R PRE OUT When connecting a single Surround Back speaker through a power amplifier to PRE OUT jack, connect it as above and select "SPEAKER" at speaker settings. ^ SURROUND SURROUND BACK SUB WOOFER PRE OUT + R GRAY L BLUE BS BROWN SPEAKERS (8-16Ω) Powered Subwoofer Right Left Surround Speakers (Be sure to connect both surround speakers) Surround Back Speaker When connecting a Surround Back speaker to this terminal, select "SPEAKER" at speaker settings. ^ To make sure that each speaker has been connected properly, pay attention to the test tone from each speaker. Refer to "5 Adjust the speaker volume level."

^ 13 EN \*5440/07-14/1EN 13 04.1.27, 8:21 PM Setting up the system Connecting the terminals 1 Strip coating. 2 Push the lever. 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. ENGLISH AM antenna terminal connections 3 Insert the cord. 4 Return the lever. 1 Push lever. 2 Insert cord.

3 Release lever. • 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. 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. 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. FM antenna terminal connections Insert cord.

Speaker placement Center speaker 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. Subwoofer Front speaker Surround speaker \*Surround Back Left speaker \*Surround Back speaker Listening position \*Surround Back Right speaker ANTENNA AM GND FM 75Ω Attach to the stand FM indoor antenna \*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. % FM outdoor antenna AM loop antenna Use an antenna adapter (Commercially available) 14 EN \*5440/07-14/1EN 14 04.1.27, 8:21 PM 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. 4 Select a speaker system.

1 Select SP SETUP and press the SETUP key again so that the speaker system indication "SP SYSTEM" scrolls across the display. ON/STANDBY MULTI CONTROL ENGLISH 2 Use the MULTI CONTROL knob or Multi %/fi 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 5. 3 For general speaker setting, use the MULTI CONTROL knob or Multi %/fi keys to select CUSTOM and press the SETUP key again. • The subwoofer setting indication "SUBW ON" appears.

POWER ON/OFF SETUP POWER RCVR Multi % / fi + + € 4 + Setup 1 Turn on the power to this model by pressing POWER ON/OFF and ON/STANDBY or POWER RCVR key.



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4 Use the MULTI CONTROL knob or Multi %/fi 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 7. Before step 7, press the SETUP key to accept the setting. • When Subwoofer output sound is required, select "FRNT NML". 5 Press the SETUP key to accept the setting. • The Front speakers setting indication "FRNT LRG" appears.

2 For the remote control, press and hold the TUNER key for more than 3 seconds to switch to receiver mode. 3 Press the SETUP key to enter the SETUP mode and use the MULTI CONTROL knob or Multi %/fi keys for the following displays. 1 2 3 4 5 SP SETUP TESTTONE DISTANCE LFE LVL EXIT The flow of the SETUP is as follows; SP SETUP SP System Custom Full Range 2Way 2Speaker 2Way 3Speaker Subwoofer Front Center Surround Surround Back Subwoofer Re-mix TESTTONE AUTO MANUAL L C R RS RB LB LS SW L C R RS RB LB LS SW DISTANCE Front Left Center Front Right Surround Right Surround Back Right Surround Back Left Surround Left Subwoofer LFE LEVEL EXIT 6 Use the MULTI CONTROL knob or Multi %/fi keys to select the appropriate front speakers setting. : 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. 7 Press the SETUP key to accept the setting. • The Center speaker setting indication "CNTR NML" appears.

1 FRNT LRG (large) • 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. Continued to next page 15 EN \*5440/15-23/1EN 15 04.1.27, 8:22 PM Preparing for surround sound 8 Use the MULTI CONTROL knob or Multi %/fi 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 connected to this model. 2 CNTR OFF : Center speaker setting mode to this model is OFF. 9 Press the SETUP key again to accept the setting.

•The Surround speaker setting indication "SURR NML" appears. 0 Use the MULTI CONTROL knob or Multi %/fi keys to select the appropriate Surround speaker setting. If you have selected "LRG" as the Center speaker setting, 1 SURR NML (normal) : Average size Surround speakers are connected to this model. 2 SURR LRG (large) : Large Surround speakers are connected to this model. 3 SURR OFF : Surround speaker setting mode to this model is OFF. If you have selected other than "LRG" as the Center speaker setting, 1 SURR NML (normal) : Average size Surround speakers are connected to this model. 2 SURR OFF : Surround speaker setting mode to this model is OFF. • When the setting "SURR OFF" is selected, the procedure skips to step #. ! Press the SETUP key to accept the setting. • The Surround Back speaker setting indication "BS" appears.

@ Use the MULTI CONTROL knob or Multi %/fi keys to select the appropriate Surround Back speaker setting. If you have selected "LRG" as the Surround speaker setting, 1 BS NML : Average size Surround Back speaker is connected to this model. 2 BS LRG : Large Surround Back speaker is connected to this model. 3 BS OFF : Surround Back speaker setting mode to this model is OFF. # Press the SETUP key again to accept the setting. •The Subwoofer re-mix setting indication "SW RE-MIX" scrolls across the display. ENGLISH •If Subwoofer is turned OFF, Subwoofer re-mix setting is not visible. \$ Use the MULTI CONTROL knob or Multi %/fi keys to select the appropriate Subwoofer re-mix setting. 1 RMX ON : Subwoofer re-mix set mode to this model is ON. 2 RMX OFF : Subwoofer re-mix set mode to this model is OFF.

% Press the SETUP key to accept the setting. 5 Adjust the speaker volume level. From your usual listening position, adjust the volume levels. The volume levels from each speaker should be the same. •In step 5 and 6, indications appear only for the selected channels of the speakers that require adjusting.

1 Press the SETUP key to begin TEST TONE. •This model enters the speaker volume level adjustment mode. The selection of AUTO/MANUAL TEST TONE is done by the MULTI CONTROL knob or Multi %/fi keys. 1 AUTO 2 MANUAL 2 Press the SETUP key again to select either AUTO or MANUAL. Use the MULTI CONTROL knob or Multi %/fi keys to adjust the volume level of the test tone output from the speaker channel to be adjusted.

For AUTO selection, the test tone is heard from the speakers in the following sequence for 2 seconds each: •If you have selected "SPEAKER" as the Surround Back setting, "RB" and "LB" are not appeared but "BS" is appeared on the Display. •If you change the volume level settings for the speakers while listening to music, the settings referred to on this page are also changed. ¶ •If any of the speaker is set as OFF during SP SETUP, the TEST TONE adjustment for the speaker will be skipped. 3 Press the SETUP key. •The test tone is turned off. This model enters the mode for inputting the distance to the speakers. 4 For MANUAL selection, press the SETUP key each time to select the speaker channel. If you have selected "NML" as the Surround speaker setting, 1 BS NML : Average size Surround Back speaker is connected to this model. 2 BS OFF : Surround Back speaker setting mode to this model is OFF. If you have selected "NML" or "LRG" as the Surround Back speaker setting, 1 SPEAKER : Surround Back signal will be output from SURROUND BACK speaker terminal and SURR BACK L/SURR BACK PRE OUT terminal as monaural.

2 PRE OUT : Surround Back signals will be out put from SURR BACK L/SURR BACK and SURR BACK R PRE OUT terminals as stereo. 16 EN \*5440/15-23/1EN 16 04.1.27, 8:22 PM Preparing for surround sound 6 Input the distance to the speakers. 1 Select the DISTANCE from the setup displays and press the SETUP key again.



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2 Measure the distance from the listening position to each of the speakers. Jot down the distance to each of the speakers. Distance to Front Left speaker (L) : \_\_\_\_ feet (meters) Distance to Center speaker (C) : \_\_\_\_ feet (meters) Distance to Front Right speaker (R) : \_\_\_\_ feet (meters) Distance to Surround Right (RS) : \_\_\_\_ feet (meters) Distance to Surround Back Right (RB) : \_\_\_\_ feet (meters) Distance to Surround Back (BS) : \_\_\_\_ feet (meters) Distance to Surround Back Left (LB) : \_\_\_\_ feet (meters) Distance to Surround Left (LS) : \_\_\_\_ feet (meters) Distance to Subwoofer (SW) : \_\_\_\_ feet (meters) • If you have selected "SPEAKER" as the Surround Back setting, "RB" and "LB" are not appeared but "BS" is appeared on the Display. 3 Use the MULTI CONTROL knob or Multi %/fi keys to select the distance to the front speakers. 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. 1 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. 2 Press the SOUND key repeatedly until the "INPUT" indication appears. 3 Use the MULTI CONTROL knob or Multi %/fi keys to adjust the input level.

ENGLISH • The input level may be adjusted to any one of three settings: 0dB, -3dB, and -6dB. (The initial setting is 0dB.) 4 Press the SOUND key again to return to the input indication. 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. 4 Press the SETUP key to accept the settings. 5 Repeat steps 3 and 4 to input the distance for each of the speakers. 7 Adjust the LFE LEVEL (Low Frequency Effects level) 1 Select the LFE LEVEL from the setup displays and press the SETUP key again. 2 Use the MULTI CONTROL knob or Multi %/fi keys to adjust the LFE LEVEL. • The LFE LEVEL is adjusted from 0dB to -10dB in 1dB step decrements. 3 Press the SETUP key to accept the setting. 4 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. 5 Press the SETUP key to exit the SETUP mode. 17 EN \*5440/15-23/1EN 17 04.1.27, 8:22 PM Normal playback Preparing for playback Some preparatory steps are needed before starting playback. Listening to a source component VOLUME CONTROL SPEAKERS ON/OFF ON/STANDBY ENGLISH INPUT SELECTOR POWER ON/OFF AUTO INPUT SELECTOR Input Selector 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/OFF and ON/STANDBY key. 4 VOL + Selecting the input mode If you have selected a component connected to the CD/DVD, VIDEO2, DVD/6CH jacks, make sure that the input mode setting is correct for the type of audio signal to be used. 7 1 Use the INPUT SELECTOR knob or keys to select the source you want to listen to. The input sources change as shown below: 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". 2 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. 1 2 3 4 5 6 7 "TUNER" "CD/DVD" "TAPE" or "MD" "VIDEO1" "VIDEO2" "DVD/6CH" "PHONO" 2 Start playback from the selected source. 3 Use the VOLUME CONTROL knob or VOL +/- keys to adjust the volume. Setting the speaker status The speaker indicator lights up. Press the SPEAKERS ON/OFF key to switch the speaker on or off. 18 EN \*5440/15-23/1EN 18 04.

1.27, 8:22 PM Normal playback Adjusting the sound SPEAKERS ON/OFF ACTIVE EQ VOLUME CONTROL 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 ENGLISH Press the Loudness key again so that the "LOUDNESS" indicator goes off. PHONES MULTI CONTROL MUTE Muting the sound The MUTE key lets you mute the sound of the speakers. Press the MUTE key. Multi % / fi Tone Active EQ + - - + + - 4 Mute VOL +/- Bass Boost Loudness 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. Adjusting the Tone (remote control only) You can adjust the sound quality when this model is in the PCM stereo and analog stereo mode.

1 For the remote control, press and hold the TUNER key for more than 3 seconds to switch to receiver mode. 2 Press the Tone key to select the TONE mode. 3 Use the MULTI CONTROL knob or Multi %/fi keys to select TONE ON/OFF. 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. (The ACTIVE EQ LED indicator lights up.) 4 ACTIVE EQ OFF : 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. 4 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. 5 Use the MULTI CONTROL knob or Multi %/fi keys to adjust the sound quality. Listening with headphones 1 Press the SPEAKERS ON/OFF key so that the speaker indicator goes off. Make sure the SP indicator is turned OFF. • 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. 4~a • If you turn off all of the speakers when in surround mode, the surround mode will be canceled as well, resulting in stereo playback.



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2 Connect headphones to the PHONES jack. PHONES 3 Use the VOLUME CONTROL knob or VOL +/- keys to adjust the volume. Switching back to the previous setting Press the Bass Boost key again. 19 EN \*5440/15-23/1EN 19 04.

1.27, 8:22 PM Recording Recording audio (analog sources) 3 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 mode. ENGLISH INPUT SELECTOR Recording a music source 1 Use the INPUT SELECTOR knob to select the source (other than "MD/TAPE") you want to record. 2 Set the MD or TAPE recorder to record. 3 Start playback, then start recording. • When the M-REC mode is selected, the digital input signal is converted to stereo signals (down-mix). But once the digital signal is changed 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: Recording video 1 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. 3 Start playback, then start recording.

• Recording may not be normal for some video software. This is due to the copy guard condition. ° For M-REC mode: 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.

4 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.

Recording music in A-REC or M-REC mode DIMMER INPUT SELECTOR 1 Use the INPUT SELECTOR knob to select the source (CD/DVD, DVD/6CH or VIDEO2) you want to record. 2 Set the MD or TAPE recorder to record. 20 EN \*5440/15-23/1EN 20 04.1.27, 8:22 PM Listening to radio broadcasts This model can store up to 40 stations in the memory and recall them by one-touch operation. Radio stations can be classified into RDS (Radio Data System) stations and other stations. To listen to or store RDS stations in the preset memory see "Using RDS (Radio Data System)".

Using RDS (Radio Data System) RDS is a system that transmits useful information (in the form of digital data) for FM broadcasts along with the broadcast signal. Tuners and receivers designed for RDS reception can extract the information from the broadcast signal for use with various functions, such as automatic display of the station name. Tuning (non-RDS) radio stations MULTI CONTROL RDS functions: PTY (Program Type Identification) Search £

Automatically tunes to a station that is currently broadcasting the specified program type (genre). PS (Program Service Name) Display Automatically displays the station name transmitted by the RDS station. ENGLISH BAND AUTO INPUT SELECTOR TUNER RDS AUTO MEMORY function £ Automatically selects and stores up to 40 RDS stations in the preset memory. If fewer than 40 RDS stations have been stored in the preset memory, regular FM stations will be stored in the remaining places. Radio Text function Displays the radio text data transmitted by some RDS stations when you press the RDS Disp. (Display) key. There is "NO RT" display if no text data is transmitted. The "RDS" indicator lights up when an RDS broadcast (signal) is received.

Multi % / fi € + + 4 Band Tune - 1 / + j Auto + 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 Note Some functions and function names may differ for certain countries and areas. Before using a function utilizing the RDS, be sure to perform the RDS Auto Memory operation by referring to the description in "Presetting £ RDS stations (RDS AUTO MEMORY)".

3 Use the AUTO key to select the desired tuning method. Each press switches the tuning method as follows: 1 AUTO lit (auto tuning) 2 AUTO not lit (manual tuning) "AUTO" indicator lights up in the display. Presetting radio stations manually The RDS auto memory function assigns preset numbers to RDS stations starting from preset number "1". @@See "Presetting RDS stations (RDS AUTO MEMORY)": £ • Normally, set to "AUTO" (auto tuning). @@@@Auto tuning: The next station is tuned automatically.

@@@@@ (Display) key Receiving preset stations TUNER RDS Disp. @@@@0, 5 For "20", press .....

.....  
.....  
.....

... @@@@2 Use the BAND key to set the broadcast band to "FM". @@@@Station name display • No sound is heard while "PTY" is blinking. • If the desired program type cannot be found, "NO PROG" is displayed, then after several seconds the display returns to the original display. Blinks Program type name display Display when a station is received. Goes out Multi % / fi PTY € To select another program type Repeat steps 1, 2 and 3. + + 4 Tune - 1 / + j Preparations • Execute the RDS auto memory procedure. • Set the broadcast band to FM.

• Tune to an RDS station. 23 EN \*5440/15-23/1EN 23 04.1.27, 8:22 PM 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 The below speaker placements are for 6.1 channel surround sound system which are; • Dolby Digital EX • DTS-ES • NEO:6 ENGLISH TV / SCREEN L TV / SCREEN R L SW C SW C R LS RS LS RS BS No Surround Back speaker With Surround Back speaker The below speaker placements are for 7.1 channel surround sound system which is; • Dolby Pro Logic IIx L SW C R LS RS BS LB RB Front Left speaker Subwoofer Center speaker Front Right speaker Surround Left speaker Surround Right speaker Surround Back speaker Surround Back Left speaker Surround Back Right speaker TV / SCREEN L SW C R Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.



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LS RS "DTS", "DTS-ES Extended Surround" and "Neo:6" are trademarks of Digital Theater Systems, Inc. LB RB With Surround Back Left and Right speakers Note LFE = Low Frequency Effects. This channel delivers separate nondirectional bass signals to the subwoofer for more dynamic deep bass sound effects. 24 EN \*5440/24-31/1EN 24 04.1.

27, 8:23 PM Ambience effects DTS-ES 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.

It 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. 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 ).

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. ENGLISH 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. 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. DTS has a "

".1" or LFE channel. The indication "LFE" appears in the display when a signal is being input for this channel. 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 LFE channel. The indication "LFE" appears in the display when a signal is being input for this channel. Dolby PRO LOGIC IIx and Dolby PRO LOGIC II Dolby Pro Logic II was designed specifically to provide a new sense of spatiality, directionality and articulation of sounds from Dolby Surround encoded sources (such as video and Laserdisc software marked ). This is achieved with an intelligent, built-in feedback logic design, a matrix surround decoding and the decoding of stereo, full bandwidth surround outputs. DOLBY PRO LOGIC IIx enhanced DOLBY PRO LOGIC II'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 LOGIC IIx 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 LOGIC IIx "GAME" mode, base sound not only from Front and Center but also from Surround channel is added to Subwoofer.



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*This provides even more dynamic surround effects.*

*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 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 during DVD 6channel mode selection.*

*25 EN \*5440/24-31/1EN 25 04.1.27, 8:23 PM Ambience effects 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 mark and DOLBY DIGITAL format digital broadcasts (etc.). DOLBY PRO LOGIC can be used when playing video, DVD, or LD mark. software bearing the 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. 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.) 5 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.) 7 PL II MUSIC : 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.) 0 STEREO : Normal stereo playback. When you select DOLBY DIGITAL "DOLBY DIGITAL" will scroll from right to left. ENGLISH LISTEN MODE INPUT MODE Input Selector INPUT SELECTOR  $\epsilon$  + + 4 Input Mode Listen Mode + 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 (The DTS-ES and MATRIX 6.*

*I indicators light up.) DTS-ES DISCRETE 6.1 : DTS - ES DISCRETE 6.1channel surround (The DTS-ES and DISCRETE 6.1 indicators light up.) DTS : DTS 5.1 channel surround (The DTS indicator lights up.) DTS + NEO:6 CINEMA : DTS + NEO:6 surround CINEMA mode. STEREO : Normal stereo playback Preparations • Turn ON related components. • Complete "Preparing for surround sound" (speaker settings).*

*% • 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. 7 • Noise will be produced when a DTS source is played by selecting the analog input. 2 3 4 5 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 : Dolby Digital Surround EX compliant disc contains identification signals.*

*When you choose FULL AUTO during "Input mode settings" (7), this amplifier detects the identification signals and change the LISTEN mode to the DOLBY DIGITAL EX (Dolby Digital Surround EX mode) automatically. 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 analog signal or the digital signal (except for DOLBY DIGITAL or DTS signal) is input: 1 PL IIX MOVIE 2 3 4 5 6 7 8 9 : PRO LOGIC IIX surround MOVIE mode. (The PRO LOGIC indicator lights up.) 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.) PL II MOVIE : PRO LOGIC II surround MOVIE mode.*

*(The PRO LOGIC indicator lights up.) PL II MUSIC : PRO LOGIC II surround MUSIC mode. (The PRO LOGIC indicator lights up.) 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.) 26 EN \*5440/24-31/1EN 26 04.1.27, 8:23 PM Ambience effects 0 ARENA - JAZZ CLUB = THEATER ~ STADIUM ! DISCO*

*@ STEREO : : : : DSP Surround ARENA mode. DSP Surround JAZZ CLUB mode.*

*DSP Surround THEATER mode. DSP Surround STADIUM mode. DSP Surround DISCO mode. Normal stereo playback. DVD 6-channel playback 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. • 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. ENGLISH 3 Adjust the volume. INPUT MODE 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.  $\epsilon$  4 INPUT SELECTOR DVD/6CH + + + Input Mode 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".*

*% 1 Select "DVD/6CH" as the input source.*



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