

JVC

COMPACT COMPONENT SYSTEM

NX-D4

— Consists of CA-NXD4 and SP-NXD3

Thank you for purchasing a JVC product.

INSTRUCTIONS

GVTO277-001B[B]
1009WWMKMDWJMM



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Radio Data System

Digital Direct Progressive Scan

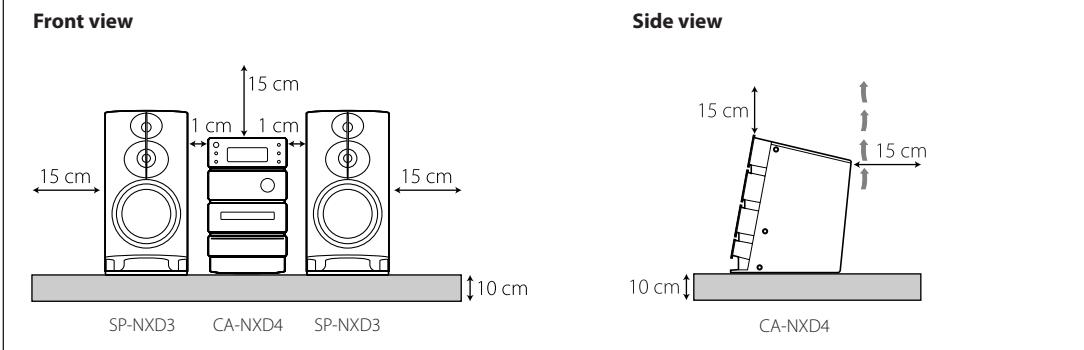


GVTO277-001B

CAUTION: Proper Ventilation

To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:

1. Front: No obstructions and open spacing.
2. Sides/Top/Back: No obstructions should be placed in the areas shown by the dimensions below.
3. Bottom: Place on the level surface. Maintain an adequate air path for ventilation by placing on a stand with a height of 10 cm or more.



CAUTION:
Excessive sound pressure from earphones or headphones can cause hearing loss.

CAUTION
Battery shall not be exposed to excessive heat such as sunshine, fire, or the like.

IMPORTANT for the U.K.

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

BE SURE to replace the fuse only with an identical approved type, as originally fitted.

If nonetheless the mains plug is cut off ensure to remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

If this product is not supplied fitted with a mains plug then follow the instructions given below:

IMPORTANT:

DO NOT make any connection to the terminal which is marked with the letter E or by the safety earth symbol or coloured green or green-and-yellow.

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

Blue: Neutral

Brown: Live

As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as follows: The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

IF IN DOUBT - CONSULT A COMPETENT ELECTRICIAN.

Precautions

Notes on the power cord

- When you are away on travel or otherwise for an extended period of time, remove the plug from the wall outlet.
- When unplugging the System from the wall outlet, always pull the plug, not the power cord.
- Do not handle the power cord with wet hands.
- Disconnect the power cord before cleaning the System or moving the System.
- Do not alter, twist or pull the power cord, or put anything heavy on it, which may cause fire, electric shock, or other accidents.
- If the cord is damaged, consult a dealer and have the power cord replaced with a new one.

Avoid moisture, water, dust, and high temperatures

- Do not place the System in moist or dusty places.
- If water gets inside the System, turn off the power and remove the plug from the wall outlet, then consult your dealer. Using the System in this state may cause a fire or electrical shock.
- Do not expose the System to direct sunlight or place it near a heating device.

Notes on installation

- Select a place which is level, dry and neither too hot nor too cold—between 5°C and 35°C.
- Do not install the System in a place subject to vibrations.
- Do not put heavy objects on the System.
- Do not drag or push the speakers on the floor or table; otherwise, the four feet at the bottom side of each speaker may peel off or drop from the speaker.

To prevent malfunction or damage of the System

- Do not insert any metallic objects, such as wires, hairpins, coins, etc. into the System.
- Do not block the vents.

There are no user-serviceable parts inside. If anything goes wrong, unplug the power cord and consult your dealer.

Introduction

Playable Disc/File Types

MP3/WMA/WAV	MPEG-4 ASF PLAYBACK	
• CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, WAV, JPEG, MPEG-1, MPEG-2, ASF, and DivX files written in accordance with the "ISO 9660" format can also be played.	• DVD-R/-RW, +R/+RW: MP3, WMA, WAV, JPEG, MPEG-1, MPEG-2, ASF, and DivX files written in the UDF-Bridge format can be played.	• DVD-R/-RW: Recorded in the DVD Video format and the DVD Video Recording (VR) format.
• DVD+R: Recorded in the DVD Video format.	• USB device: MP3, WMA, WAV, JPEG, MPEG-1, MPEG-2, ASF, and DivX* files.	

In addition to the above discs/files, this System can play back audio data recorded on CD-Extra and CD-G (CD-Graphics).

- The following discs cannot be played back: DVD-RAM, CD-I (CD-1 Ready), and Photo CD. Playing back these discs will generate noise and damage the speakers.
- CD Text and DVD Text can be played, but text information will not be shown on the display.
- This System can play back Everio file with the extension code <.mod> recorded on DVD, CD*, and USB device*.

* Only when the maximum bit rate is less than 2 Mbps.

Caution for DualDisc playback

The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of the Non-DVD side of a DualDisc in this product may not be recommended.

Learning More about This System

Connections

- Make sure the antenna conductors do not touch any other terminals, connecting cords or the power cord. Also, keep the antennas away from metallic parts of the System, connecting cords, and the power cord. These could cause poor reception.
- Use only speakers with the same speaker impedance as indicated by the speaker terminals on the rear of the System.
- The speakers are magnetically shielded to avoid color distortions on TVs. However, if not installed properly, it may cause color distortions. So, pay attention to the following when installing the speakers.
 - When placing the speakers near a TV set, turn off the TV's main power switch or unplug it before installing the speakers. Then wait at least 30 minutes before turning on the TV's main power switch again.
 - Some TVs may still be affected even though you have followed the above instructions. If this happens, move the speakers away from the TV.
- You cannot connect a computer and JVC Everio camcorder to the USB terminals of the System.
- Electrostatic shock at connecting a USB device may cause abnormal playback of the device. In this case, disconnect the USB device then turn off this unit.

Preparations

To change the color system and scanning mode:

- You cannot display a high quality image of progressive scanning in the following cases:
 - When your TV does not support the progressive video input.
 - When you have not connected your TV to the System using a component video cord.

Enjoying Movies/Music from your iPod

JVC is not responsible for any loss of or damage to iPod that might result from the use of this product.

- Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
- Sound distortion may occur when playing back audio sources with a high recording level. When distortion occurs, it is recommended to turn off the equalizer of iPod. For information on operating iPod, see the instruction manual for iPod.
- If iPod does not play correctly, update iPod software to the latest version.
- For details about updating iPod, check on the Apple web site <<http://www.apple.com>>.
- JVC does not assure the compatibility of iPod released after April 2009 with this unit.

IMPORTANT: Before playing a disc/file, make sure of the following...

- Turn on the TV and select an appropriate input mode on the TV to view the pictures or on-screen displays.
- For disc/file playback, you can change the initial setting to your preference. Refer to "Setup Menu" in "Operating Guide."

If "O" appears on the TV screen when you press a button, the disc/file cannot perform the operation you have tried to do.

- When playing a multi-channel encoded software, the System properly converts the multi-channel signals into 2 channels, and emits the downmixed sound from the speakers. To enjoy the powerful sound of these multi-channel encoded software, connect a proper decoder or an amplifier with a proper built-in decoder to the OPTICAL DIGITAL OUTPUT terminal on the rear.

About color system

This System accommodates both PAL and NTSC system and can play back discs/files recorded in either system. To change the color system, see "Preparations."

Note on Region Code

DVD players and DVDs have their own Region Code numbers. This System can play back only DVDs with Region Code numbers including "2."

Ex:



- "REGION ERR" appears if DVD with a wrong Region Code is loaded.

License and Trademark

- "DVD Logo" is a trademark of DVD Format/Logo Licensing Corporation.
- Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
- Manufactured under license under U.S. Patent numbers: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 and other U.S. and worldwide patents issued & pending. DTS and DTS 2.0 + Digital Out are registered trademarks and the DTS logos and Symbol are trademarks of DTS, Inc. © 1996-2007 DTS, Inc. All Rights Reserved.

- DivX* is a registered trademark of DivX, Inc., and is used under license.
- ABOUT DIVX VIDEO: DivX* is a digital video format created by DivX, Inc. This is an official DivX Certified or DivX Ultra Certified device that plays DivX video.
- ABOUT DIVX VIDEO-ON-DEMAND: This DivX* Certified device must be registered in order to play DivX Video-on-Demand (VOD) content. First generate the DivX VOD registration code for your device and submit it during the registration process. [Important: DivX VOD content is protected by a DivX DRM (Digital Rights Management) system that restricts playback to registered DivX Certified devices. If you try to play DivX VOD content not authorized for your device, the message "Authorization Error" will be displayed and your content will not play.] Learn more at www.divx.com/vod.
- Plays DivX* video
- iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
- "Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.
- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.
- *CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525p AND 625p DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.*
- USE OF THIS PRODUCT IN ANY MANNER THAT COMPLIES WITH THE MPEG-4 VISUAL STANDARD IS PROHIBITED, EXCEPT FOR USE BY A CONSUMER ENGAGING IN PERSONAL AND NON-COMMERCIAL ACTIVITIES.

Information for Users on Disposal of Old Equipment and Batteries

[European Union]

These symbols indicate that the electrical and electronic equipment and the battery with this symbol should not be disposed of as general household waste at its end-of-life. Instead, the products should be handed over to the applicable collection points for the recycling of electrical and electronic equipment as well as batteries for proper treatment, recovery and recycling in accordance with your national legislation and the Directive 2002/96/EC and 2006/66/EC.

Products

By disposing of these products correctly, you will help to conserve natural resources and will help to prevent potential negative effects on the environment and human health which could otherwise be caused by inappropriate waste handling of these products.



For more information about collection points and recycling of these products, please contact your local municipal office, your household waste disposal service or the shop where you purchased the product.

Battery

[Business users]

If you wish to dispose of this product, please visit our web page <http://www.jvc.eu/> to obtain information about the take-back of the product.

[Other Countries outside the European Union]

These symbols are only valid in the European Union. If you wish to dispose of these items, please do so in accordance with applicable national legislation or other rules in your country for the treatment of old electrical and electronic equipment and batteries.

Dear Customer,
This apparatus is in conformance with the valid European directives and standards regarding electromagnetic compatibility and electrical safety.
European representative of Victor Company of Japan, Limited is:
JVC Technical Services Europe GmbH
Postfach 10 05 04
61145 Friedberg
Germany

SAFETY INSTRUCTIONS “SOME DOS AND DON'TS ON THE SAFE USE OF EQUIPMENT”

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

Do read the operating instructions before you attempt to use the equipment.

Do ensure that all electrical connections (including the mains plug, extension leads and interconnections between pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug when making or changing connections.

Do consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

Do be careful with glass panels or doors on equipment.

DON'T continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way — switch off, withdraw the mains plug and consult your dealer.

DON'T remove any fixed cover as this may expose dangerous voltages.

DON'T leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a standby mode.

Switch off using the switch on the equipment and make sure that your family know how to do this.

Special arrangements may need to be made for infirm or handicapped people.

DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television whilst driving.

DON'T listen to headphones at high volume as such use can permanently damage your hearing.

DON'T obstruct the ventilation of the equipment, for example with curtains or soft furnishings. Overheating will cause damage and shorten the life of the equipment.

DON'T use makeshift stands and NEVER fix legs with wood screws — to ensure complete safety always fit the manufacturer's approved stand or legs with the fixings provided according to the instructions.

DON'T allow electrical equipment to be exposed to rain or moisture.

ABOVE ALL

— NEVER let anyone, especially children, push anything into holes, slots or any other opening in the case

—this could result in a fatal electrical shock.

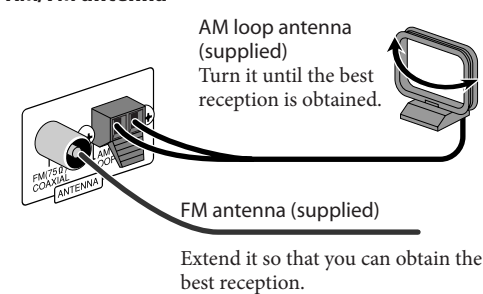
— NEVER guess or take chances with electrical equipment of any kind — it is better to be safe than sorry!

Do not connect the power cord until all other connections have been made.

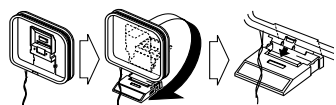
Supplied Accessories

- After unpacking, check to be sure that you have all the following items.
• FM antenna (x1)
• AM loop antenna (x1)
• Composite video cord (x1)
• Remote control; RM-SNXD4R (x1)
• Batteries (x2)
If any items are missing, consult your dealer immediately.

AM/FM antenna

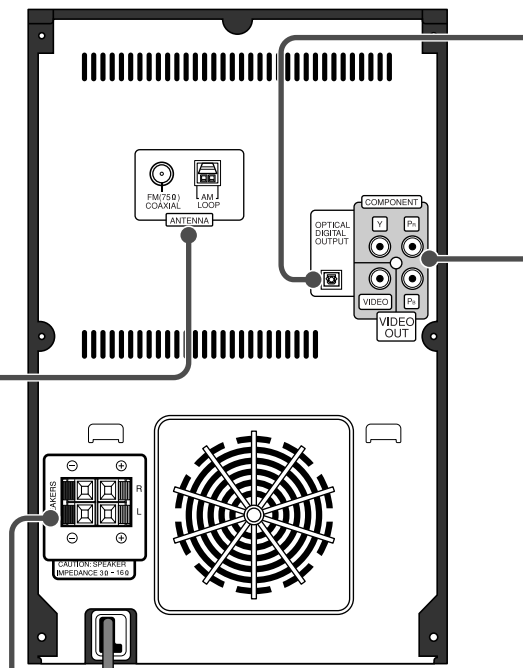


To assemble the AM loop antenna



Keep the AM loop antenna cable wrapped around the AM loop antenna frame, otherwise the effectiveness and sensitivity of the AM loop antenna may be reduced.

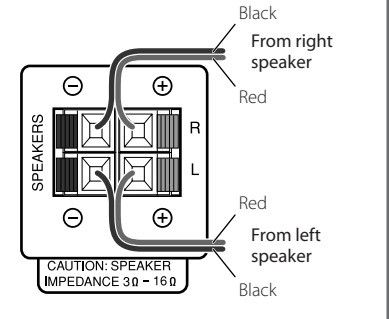
For better FM reception, disconnect the supplied FM antenna, and connect to an outdoor FM antenna using a 75 Ω wire with coaxial type connector (not supplied).



To the wall outlet

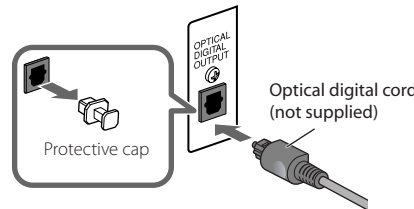
Speakers

When connecting the speaker cords, match the polarity of the speaker terminals: red to (+) and black to (-)



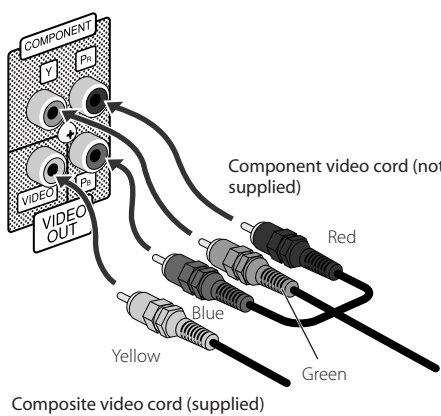
Digital audio component

- Set "DIGITAL AUDIO OUTPUT" in the "AUDIO" menu correctly according to the connected digital audio equipment.
• Digital signal through the OPTICAL DIGITAL OUTPUT terminal is transmitted only when "DVD/CD" or "USB" is selected as the source.



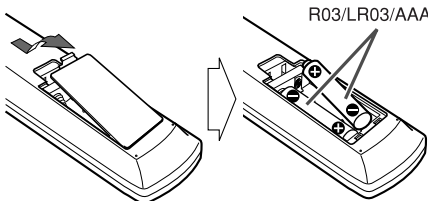
TV/monitor

- Connect your TV directly to the System. Connecting the System to a TV via other device, such as a VCR or an HDD/DVD recorder, may interfere with your viewing.
• After connecting a TV, select the appropriate video signal output according to the color system.
• To select progressive scanning mode, use the COMPONENT jacks.



Preparing the remote control

Insert the batteries into the remote control by matching the polarity (+ and -) correctly.



If the range or effectiveness of the remote control decreases, replace both batteries.

Caution: Be careful your children do not put the batteries into their mouths.

To change the color system and scanning mode

- You can select the video output to match it to the color system of your TV (PAL or NTSC).
• If you connect a progressive TV through the component video cords, you can enjoy a high quality picture by selecting progressive scanning mode.
• You can change the setting only while playback is stopped. While "DVD/CD" is selected as the source and playback is stopped...

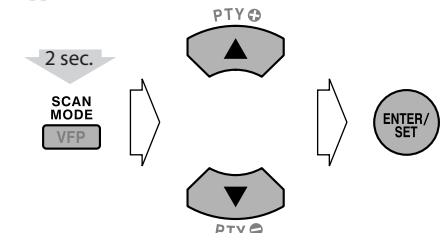


Table with 2 columns: Setting and Description. Rows include PAL/NTSC, PAL PRGR / NTSC PRGR, and their corresponding TV types.

- In this manual, operations using the remote control are mainly explained; however, you can use the buttons and controls on the main unit if they have the same (or similar) name and marks.
• Button and control operations are explained in the table below.

Table with 2 columns: Button/Control and Function. Rows include a simple button, a 2-second hold button, and a directional jog wheel.

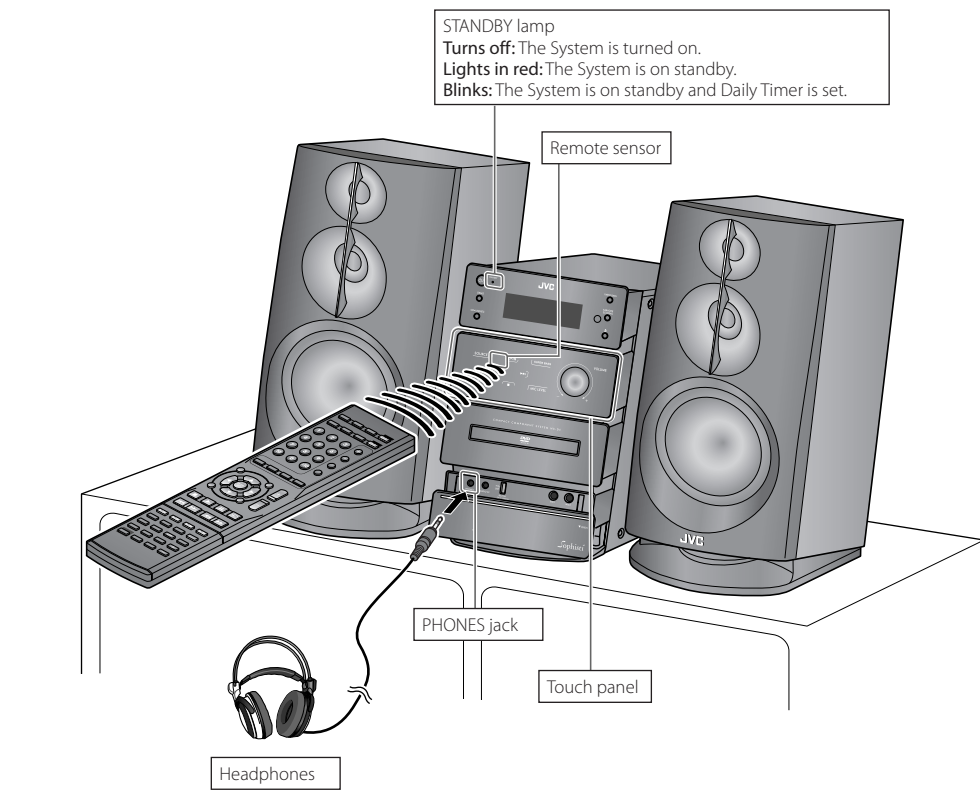
How to cancel the demonstration

- Press and hold DEMO button on the main unit (until "DEMO CLEAR" appears on the display) while the unit is on.
• Refer to the attached sheet "Information about the demonstration function."

When using the remote control

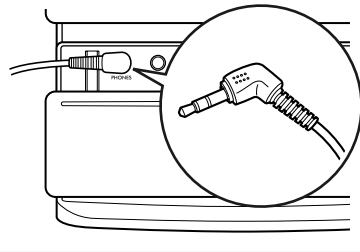
Point the top of the remote control towards the remote sensor as directly as possible. If you operate it from a diagonal position, the operating range (about 5 m) may be shorter.

DO NOT turn off the System with the volume set at an extremely high level; otherwise, the sudden blast of sound may damage your hearing, speakers and/or headphones when you turn on the System or start playback.



For private listening

- Connect a pair of headphones to the PHONES jack on the main unit. The sound will no longer come out of the speakers.
• Disconnecting the headphones will activate the speakers again.
• When using the headphones with the L-shaped plug, connect it with the head of the plug facing the right side as illustrated below.



Motion Sensor

- When you move your hand close to the remote sensor in the following cases, the illumination on the front panel turns on.
• When "DIMMER 1" or "DIMMER 2" is selected.
• When "AUTO DIMMER" is selected and playing moving and still pictures.

To activate or deactivate the motion sensor, press MOTION SENSOR.

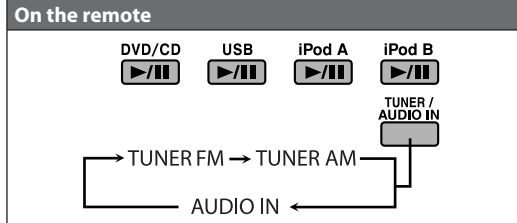
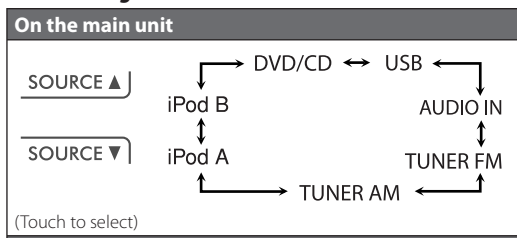


Turning On/Off the Power

Table with 2 columns: On the main unit and On the remote. Shows the power button icons for both.

- Selecting a source (see below) while in standby mode also turns on the System.

Selecting the Source



Adjusting the Volume

Table with 2 columns: On the main unit and On the remote. Shows volume control icons and descriptions for the main unit's volume knob and the remote's volume buttons.

To drop the volume in a moment



To restore the volume, press again or adjust the volume level.

General

Adjustments or settings are suddenly canceled before you finish.

Operations are disabled.

Unable to operate the System from the remote control.

No sound is heard.

No picture appears on the TV screen.

No picture is displayed on the TV screen, the picture is blurred, or the picture is divided into two parts.

The left and right edges of the picture are missing on the screen.

iPod Device Playback Operations

The disc tray does not open or close.

Hard to hear broadcasts because of noise.

Radio Operations

Timer Operations

Recording and Editing Operations

Tuner section

Disc player section

iPod section

MP3, WMA, WAV, JPEG, MPEG-1, MPEG-2, ASF or DivX files are not played back.

The disc or the USB device may contain different types of files (ex. MP3/WMA/WAV/JPEG).

You have changed the "FILE TYPE" setting after the System read the disc or the USB device.

The disc sound is discontinuous.

No subtitle appears on the display though you have selected the initial subtitle language.

Audio language is different from the one you have selected as the initial audio language.

The disc tray does not open or close.

Hard to hear broadcasts because of noise.

Radio Operations

Timer Operations

Recording and Editing Operations

Tuner section

Disc player section

iPod section

To get the best performance of the System, keep your discs clean.

Handling Discs

- Remove the disc from its case by holding it at the edge while pressing the center hole lightly.
• Do not touch the shiny surface of the disc, or bend the disc.
• Put the disc back in its case after use to prevent warping.
• Be careful not to scratch the surface of the disc when placing it back in its case.
• Avoid exposure to direct sunlight, extreme temperature, and moisture.

To clean the disc

Wipe the disc with a soft cloth in a straight line from center to edge.

Amplifier section
Output Power: 230 W (115 W + 115 W) at 3 Ω (10% THD)

Audio Input: AUDIO IN: Stereo mini (φ 3.5 mm) 500 mV/47 kΩ (at "AUDIO LVL3") 250 mV/47 kΩ (at "AUDIO LVL2") 125 mV/47 kΩ (at "AUDIO LVL1")

Digital Input/Output: OPTICAL DIGITAL OUTPUT (output only): -21 dBm to -15 dBm (660 nm ±30 nm)

USB REC/PLAY (input and output) 195 mm × 333 mm × 313 mm (W × H × D)

VIDEO OUT: Color system: PAL/NTSC (interlaced/progressive)

COMPONENT: (Y) 1 V(p-p)/75 Ω (Pa/Pa) 0.7 V(p-p)/75 Ω

Speaker impedance: 3 Ω - 16 Ω

Tuner section FM tuning range: 87.50 MHz - 108.00 MHz AM (MW) tuning range: 522 kHz - 1 629 kHz

Disc player section Dynamic range: 80 dB Horizontal resolution: 500 lines Wow and flutter: Immeasurable

iPod section Power supply: DC 5 V ± 500 mA (each iPod dock)

Cleaning the System

- Stains should be wiped off with a soft cloth. If the System is heavily stained, wipe it with a cloth soaked in water-diluted neutral detergent and wrung well, then wipe clean with a dry cloth.
• Since the System may deteriorate in quality, become damaged or get its paint peeled off, be careful about the following:
- DO NOT wipe it with a hard cloth.
- DO NOT wipe it forcefully.
- DO NOT wipe it with thinner or benzine.
- DO NOT apply any volatile substance such as insecticides to it.
- DO NOT allow any rubber or plastic to remain in contact for a long time.

Changing the Display Brightness

You can dim the display and illumination lamp. Setting DIMMER allows you to reduce power consumption.

Table with 2 columns: DIMMER setting and Description. Rows include DIMMER 1, DIMMER 2, AUTO DIMMER, and DIMMER OFF.

Turning Off the Power Automatically

Auto Standby

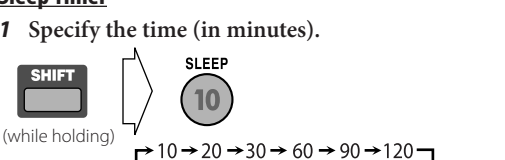
- This does not function while "FM," "AM" or "AUDIO IN" is selected as the source.



To cancel, repeat the procedure.

Sleep Timer

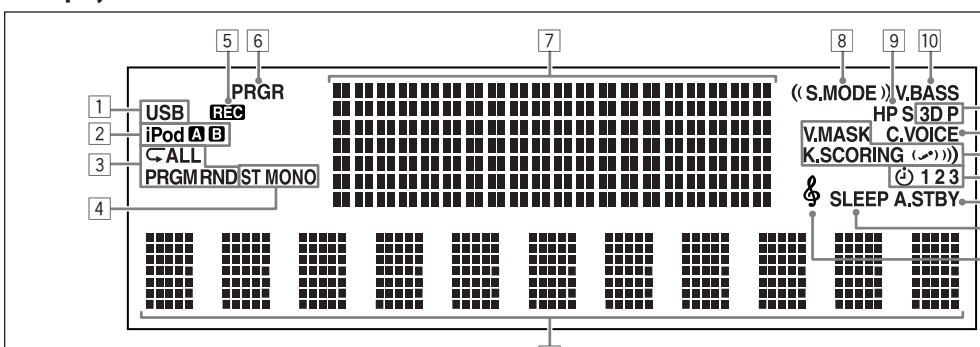
1 Specify the time (in minutes).



2 Wait until the set time disappears.

To check the time remaining until the shut-off time, press SLEEP (while holding SHIFT) once.

Display Indicators



- 1 USB indicator
2 iPod indicator
3 Playback mode indicators
4 FM reception indicators
5 REC (Recording) indicator
6 PRGR (Progressive) indicator
7 Level meter
8 Sound Mode indicators
9 S.MODE (Sound Mode) indicator
10 V. BASS (Surround) indicator
11 3D P (3D Phonic) indicator
12 C. VOICE (Clear Voice) indicator
13 Karaoke operation indicators
14 Timer indicators
15 A.STBY (Auto Standby) indicator
16 SLEEP indicator
17 My Sound indicator
18 Main display

To change the display information The information displayed and its order vary among the source.

On the remote

DISPLAY/CHARA

AUDIO IN: Current source information → Clock
TUNER AM: Frequency → Clock
TUNER FM: Frequency → (PS)*1 → (PTY)*1 → (RT)*1 → Clock

DVD/CD: Current source information → Group name, file name and tag information (for MP3, WMA, WAV) → Title and chapter number (while playing)*2/Disc or file type (while stopped) → Clock

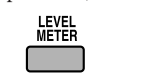
USB: Current source information → Group name, file name and tag information (for MP3, WMA, WAV) → Title and chapter number (while playing)*2/Disc or file type (while stopped) → Clock

iPod: Current source information → Tag information (artist name, album name, track name)*3 → Clock

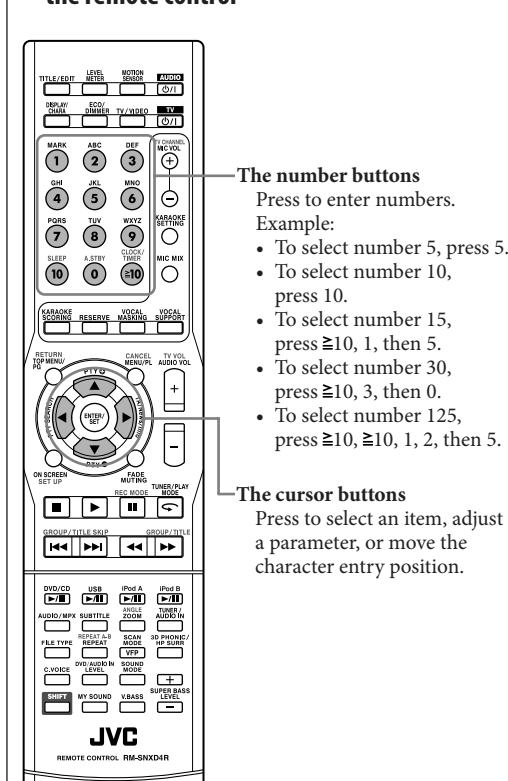
*1 Only when the Radio Data System is received.
*2 Only while playing back the following discs/files: DVD-VR: Program number/Play List number and chapter number. MP3/WMA/WAV/JPEG/MPEG-1/MPEG-2/ASF/DivX files: Group and file numbers. DVD Video: Title and chapter numbers.
*3 Tag information cannot be displayed for some iPod models (refer to "Enjoying Movies/Music from your iPod" in "Operating Guide").

Changing the pattern of the level meter

You can select the appearance of the level meter from 5 patterns ("LVL MTR 1" - "LVL MTR 5").



Using the number buttons and cursor buttons on the remote control



The number buttons Press to enter numbers. Example: To select number 5, press 5. To select number 10, press 10. To select number 15, press 10, 1, then 5. To select number 30, press 10, 3, then 0. To select number 125, press 10, 10, 1, 2, then 5.

The cursor buttons Press to select an item, adjust a parameter, or move the character entry position.