

JVC



COMPACT COMPONENT SYSTEM

NX-T10

—Consists of CA-NXT10, SP-NXT10F, and SP-NXT10W



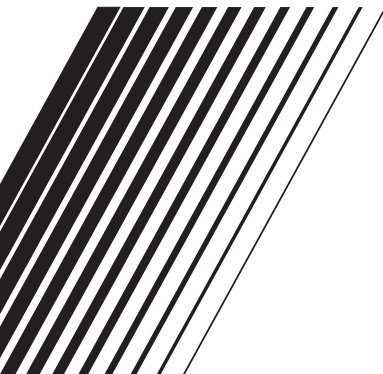
HDMI

MP3/WMA

Radio Data System

Digital Direct Progressive Scan

INSTRUCTIONS



Warnings, Cautions and Others

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.

CAUTION

The \odot/I button in any position does not disconnect the mains line.

Disconnect the mains plug of SP-NXT10W (subwoofer) to shut the power off completely (the \odot/I lamp on CA-NXT10 and POWER ON/STANDBY lamp on SP-NXT10W go off).

The MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

- When the System is on standby, the \odot/I and POWER ON/STANDBY lamps light red.
- When the System is turned on, the \odot/I and POWER ON/STANDBY lamps light blue.

The power can be remote controlled.

CAUTION

To reduce the risk of electrical shocks, fire, etc.:

1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover or cabinet. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED INSIDE THE UNIT.

CAUTION VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1:2001 (ENG) OPTIQUES.	ATTENTION RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS (FRA) OPTICO.	AVISO RADIACION LASER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTA ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL OPTICO. (ESP)	VARNING SYNLIG OCH/ELLER OYNSJIG LASERSTRÅLNING KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRÄKTA EJ STRALEN MED OPTISKA INSTRUMENT. (SWE)	注意 この製品は開け た時、レーザー光線 が放射される可 能があります。 光学機器で直 接見ないでください。 (JPN)	CAUTION VISIBLE AND/OR INVISIBLE CLASS 1 LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG) LV44803-003A
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CAUTION

- Do not block the ventilation openings or holes.
(If the ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to get out.)
- Do not place any naked flame sources, such as lighted candles, on the apparatus.
- When discarding batteries, environmental problems must be considered and local rules or laws governing the disposal of these batteries must be followed strictly.
- Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

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.

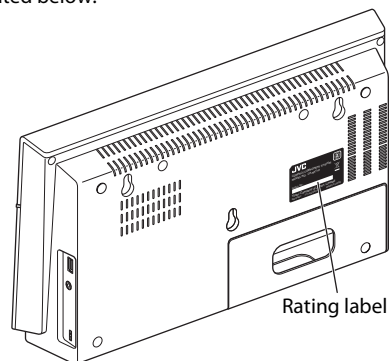
Dear Customer,

This apparatus is in conformance with the valid European directives and standards regarding electromagnetic compatibility and electrical safety.

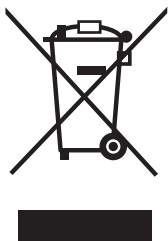
European representative of Victor Company of Japan, Limited is:
JVC Technical Services Europe GmbH

Postfach 10 05 04
61145 Friedberg
Germany

Rating label is placed on the exterior of CA-NXT10 as illustrated below.



Information for Users on Disposal of Old Equipment and Batteries

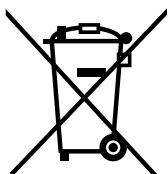


[European Union]

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.

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.

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.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

[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.

Battery

Notice:

The sign Pb below the symbol for batteries indicates that this battery contains lead.

[Other Countries outside the European Union]

These symbols are only valid in the European Union.

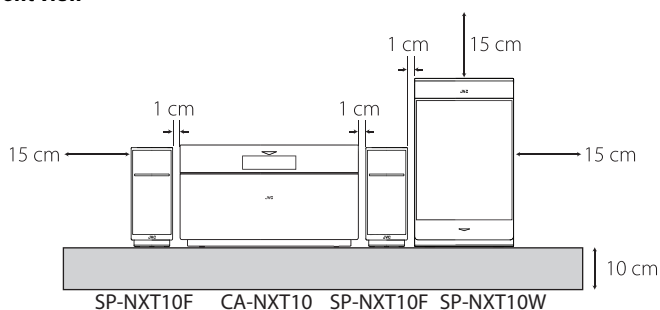
If you wish to dispose of these items, please do so in accordance with applicable national legislation or other rules in your country for the treatment of old electrical and electronic equipment and batteries.

Caution: Proper Ventilation

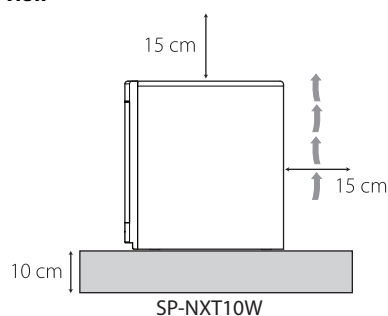
To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:

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.

Front view



Side view



Introduction

Thank you for purchasing a JVC product. Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the System.

Precautions

Installation

- Install the System in a location with adequate ventilation to prevent internal heat build-up in the System.



DO NOT install the System in a location near heat sources, or in a place subject to direct sunlight, excessive dust or vibration.

- Install in a place which is level, dry and neither too hot nor too cold—between 5°C and 35°C.
- Leave sufficient distance between the System and the TV.
- Keep the speakers away from the TV to avoid interference with the TV.

Power sources

- When unplugging the System from the wall outlet, always pull on the plug, not the power cord.



DO NOT handle the power cord with wet hands.

Moisture condensation

Moisture may condense on the lens inside the System in the following cases:

- After starting to heat the room
- In a damp room
- If the System is brought directly from a cold to a warm place.

Should this occur, the System may malfunction. In this case, leave the System turned on for a few hours until the moisture evaporates, unplug the power cord, then plug it in again.

Internal heat

- Make sure there is good ventilation around the System. Poor ventilation could overheat and damage the System.



DO NOT block the ventilation openings or holes. If they are blocked by a newspaper or cloth, etc., the heat may not be able to get out.

Others

Should any metallic object or liquid fall into the System, unplug the power cord and consult your dealer before operating any further.



DO NOT disassemble the System since there are no user serviceable parts inside.

- If you are not going to operate the System for an extended period of time, unplug the power cord from the wall outlet.

If anything goes wrong, unplug the power cord and consult your dealer.

How to Read This Manual

- Button and control operations are explained in the table below.
- **Some related tips and notes are explained later in the sections “Learning More about This System” and “Troubleshooting,” but not in the same section explaining the operations (INFO indicates that the content has some information).**
- English indications are used for the explanation of the on-screen indications on the TV. You can select the indication language from the Setup menu. See page 40.

	Indicates that you press the button briefly .
	Indicates that you press the button briefly and repeatedly until the option you want is selected.
	Indicates that you press one of the buttons.
	Indicates that you press and hold the button for a specified period.
	Indicates that you turn the control in the specified direction(s).

	Indicates that this operation is only possible using the remote control.
	Indicates that this operation is only possible using the main unit.

Supplied accessories

Check to be sure that you have all the following items.









- FM antenna (×1)
- Composite video cord (×1)
- System cable (×1)
- Remote control (×1)
- Batteries (×2)
- Stand (×1)

If any items are missing, consult your dealer immediately.

Contents

Introduction.....	1	Advanced Disc/File Playback Operations	29
Precautions	1	Programming the Playing Order—Program Play.....	29
How to Read This Manual	1	Playing at Random—Random Play	30
Playable Disc/File Types.....	3	Playing Repeatedly	30
		Prohibiting Disc Ejection—Child Lock.....	31
Preparations	4	Recording Operations	32
Placing the Main Unit Vertically or Horizontally	4	Recording from a Disc	33
Connections	5		
When Installing the Main Unit on a Wall	11	On-Screen Operations	34
Preparing the Remote Control	13	On-Screen Bar Operations	34
Changing the Scanning Mode	14	Control Screen Operations	36
Display Indicators	16	Setup Menu Operations.....	39
Daily Operations—Playback	17	Setting Up Playback of Discs/USB Devices/HDMI	
Listening to the FM Radio.....	18	Devices	39
Playing Back a Disc/USB Mass Storage Class Device.....	19	Setting Up the Sound and HDMI Functions.....	41
Playing Back Other Equipment.....	21		
Daily Operations—Sound & Other Adjustments.....	22	Additional Information	43
Turning Off the Sound in a Moment	22	Learning More about This System	43
Adjusting the Sound	22	Maintenance.....	45
Changing the Display Brightness.....	23	Troubleshooting	46
Changing the Display Information.....	23	Display Messages for Recording Operations.....	48
Turning Off the Power Automatically	23	Specifications	49
Advanced Radio Operations.....	24	Parts Index	52
Receiving FM Stations with Radio Data System	24		
Searching for a Program by PTY Codes.....	25		
Unique Video Disc/File Operations	26		
Selecting the Audio Track	26		
Selecting the Subtitle Language	27		
Selecting the View Angle.....	27		
Special Effect Playback.....	28		

Playable Disc/File Types

  
MP3/WMA
    
<ul style="list-style-type: none"> • CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX files written in accordance with the “ISO 9660” format can also be played. • DVD-R/-RW: Recorded in the DVD Video format and DVD Video Recording (VR) format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX files written in the UDF-Bridge format can also be played. • +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX files written in the UDF-Bridge format can also be played. • USB mass storage class device: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX* files.

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

- The following discs cannot be played back:
 - DVD-RAM, CD-I (CD-I Ready), CD-ROM, and Photo CD
 Playing back these discs will generate noise and damage the speakers.
 - 8 cm disc
 An 8 cm disc cannot be played back with this System.
- CD Text and DVD Text can be played, but Text information will not be shown on the display.
- In this manual, “file” and “track” are used interchangeably.
- It is possible to play back finalized +R/+RW (DVD Video format only) discs. DVD indicator lights on the TV screen when a +R/+RW disc is loaded.
- “DVD Logo” is a trademark of DVD Format/Logo Licensing Corporation.
- This System can play back Everio files (see page 44) recorded on DVD, CD*, and USB mass storage class device*.

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

About color system

This System can play back discs recorded in both PAL and NTSC video format. When you play back an NTSC disc, the NTSC video signal is converted into the PAL video signal and emitted.

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.”

- “WRONG REGION” appears on the TV if DVD with another Region Code is loaded.

Ex.:



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.

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. See “Setup Menu Operations” on page 39.

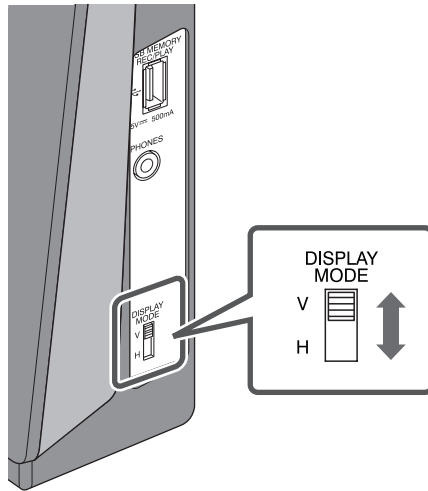
If “INVALID KEY” appears on the TV screen when you press a button, the disc/file cannot perform the operation you have tried to do.

Preparations

Placing the Main Unit Vertically or Horizontally

You can place the main unit either vertically or horizontally. Set the DISPLAY MODE switch according to the way the main unit is placed.

- The position of the remote sensor also changes according to the setting of the DISPLAY MODE switch (see page 14).

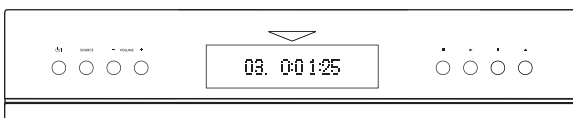


This manual explains operations using the illustrations of the main unit placed vertically as examples. Buttons and operations when the main unit is placed horizontally are the same as when it is placed vertically.

When placing the main unit vertically

Set the DISPLAY MODE switch to “V” (vertical) and attach the supplied stand to the main unit (see page 9).

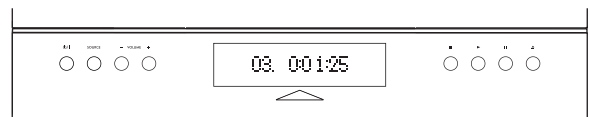
- When installing the main unit on a wall (see page 11), also set the DISPLAY MODE switch to “V.”



Buttons and display indications with the DISPLAY MODE switch set to “V”

When placing the main unit horizontally

Set the DISPLAY MODE switch to “H” (horizontal).



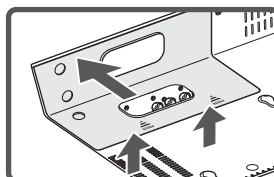
Buttons and display indications with the DISPLAY MODE switch set to “H”

- When placing the main unit vertically, attach the supplied stand firmly to the back of the main unit after connections have been completed (see page 9).

Connections INFO

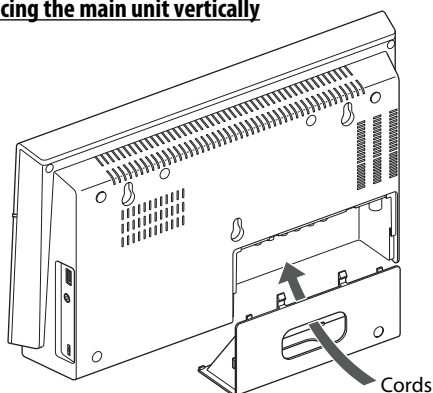
Do not connect the power cord until all other connections have been made.

Detach the connector cover from the main unit and connect the cords by passing them through the hole of the connector cover.



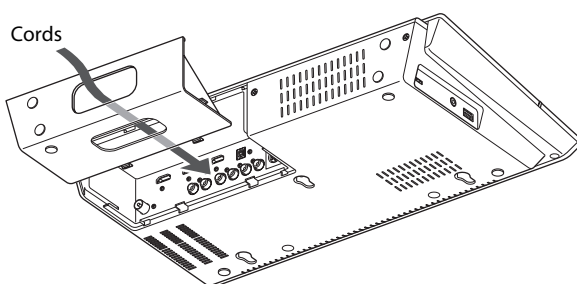
How to detach the connector cover

When placing the main unit vertically



When placing the main unit horizontally

Also use the same hole as illustrated below when installing the main unit on a wall (see page 11).



- Attach the connector cover again to the main unit after connections has been completed.

Rear panel of the main unit

① HDMI IN 1/HDMI IN 2/DIGITAL IN (OPTICAL)

From the output of a Blu-ray device or a Digital Set Top Box
See page 6.

② HDMI MONITOR OUT

From the input of a TV/monitor
See page 6.

③ FM. ANT

From the FM antenna
See page 7.

④ AUDIO IN

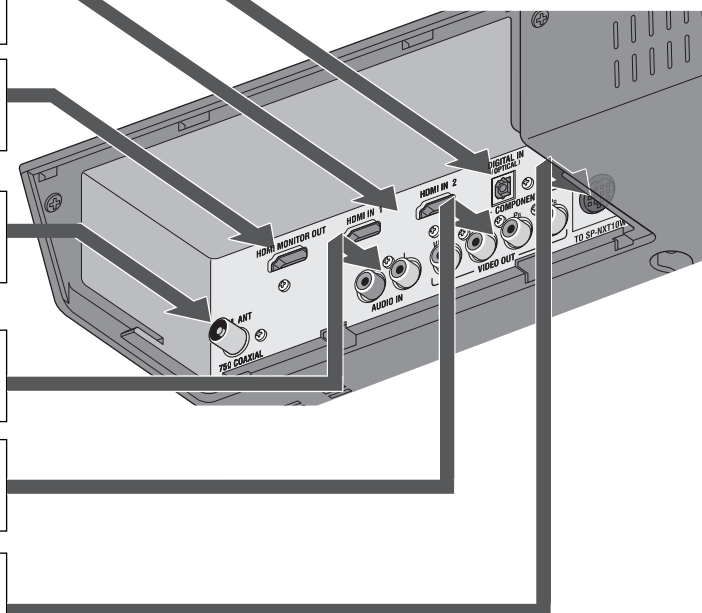
From the output of an analog audio device
See page 7.

② VIDEO OUT

From the input of a TV/monitor
See page 6.

⑤ TO SP-NXT10W

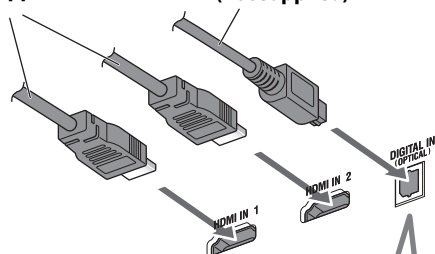
From the subwoofer (with the supplied system cable)
See page 7.



1 Blu-ray device or Digital Set Top Box

HDMI cable
(not supplied)

Optical digital cord*
(not supplied)



- Connect the HDMI cable straight not to cause damage to the HDMI terminal.

Protective cap

* Connect the digital audio output to the DIGITAL IN (OPTICAL) terminal when the device does not emit audio signals from its HDMI output.

When connecting a Blu-ray device or a Digital Set Top Box

- When connecting with an HDMI cable, use the HDMI cable of less than 2 m.
- Scanning mode setting of the System (see page 14) does not affect the video signals of the HDMI MONITOR OUT terminal coming from the HDMI IN 1 and 2 terminals.
- When connecting the digital audio output of the device to the DIGITAL IN (OPTICAL) terminal, make sure of the following:
 - Set the digital audio output setting of the device properly. For details, refer to the manual of the device.
 Following signals can be reproduced on the System: Dolby Digital, DTS Digital Surround, Linear PCM
- For the audio signals coming from the HDMI IN 1 and 2 terminals, you can choose whether to emit the signals to the TV through the HDMI MONITOR OUT terminal or reproduce the sound on the System. For details, see page 41.

2 TV/monitor

Connect an HDMI cable, a component video cord, or a composite video cord.

- To select progressive scanning mode (see page 14), use the HDMI MONITOR OUT terminal or COMPONENT jacks.

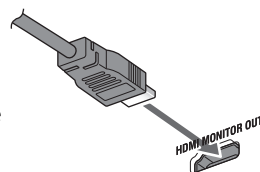
When connecting your TV

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. Connecting an integrated TV/VCR system to the System may also interfere with your viewing.

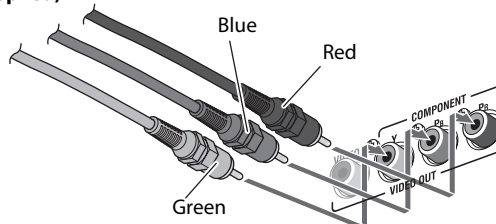
HDMI cable (not supplied)

Use an HDMI cable of less than 2 m.

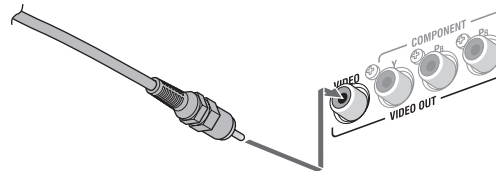
- Connect the HDMI cable straight not to cause damage to the HDMI terminal.



Component video cord
(not supplied)



Composite video cord
(supplied)



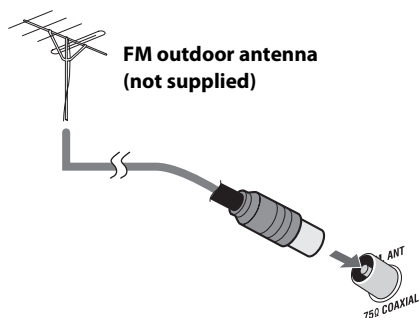
- When connecting a TV with an HDMI cable or a component video cord, select the appropriate video signal output according to the TV. See pages 14 and 15.
- When you use an HDMI cable, make appropriate settings in the Setup menu (see pages 39 – 42).
- This System is compatible with some basic functions of HDMI CEC. For details, see page 42.
- Playback sound may be interrupted when operating the TV connected with the HDMI cable.

③ FM antenna



Extend it so that you can obtain the best reception.

For better FM reception

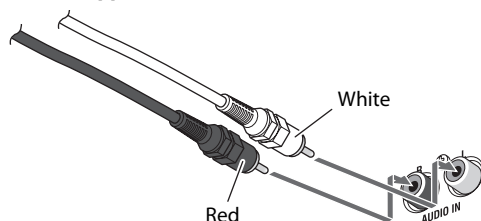


Disconnect the supplied FM antenna, and connect to an outdoor FM antenna using a 75 Ω wire with coaxial type connector (IEC or DIN45325).

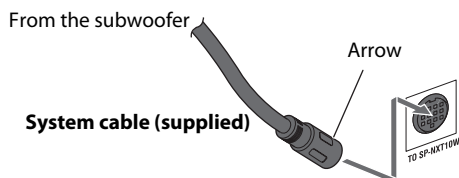
This System cannot receive the AM (LW/MW) band.

④ Analog audio device

Audio cord (not supplied)



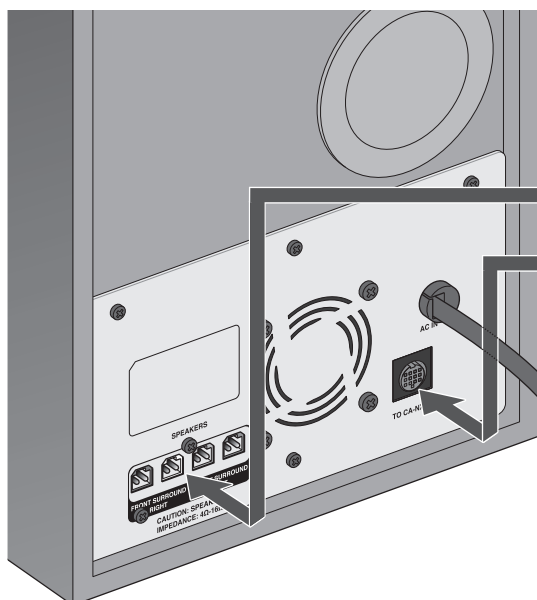
⑤ System cable



Connect the system cable with the arrow side facing up.

After connections on the rear of the main unit have been completed, connect speakers and the system cable to the subwoofer. See pages 8 and 9.

Rear panel of the subwoofer



6 SPEAKERS

From the speakers
See below.

7 TO CA-NXT10

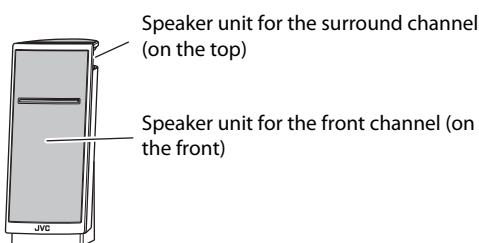
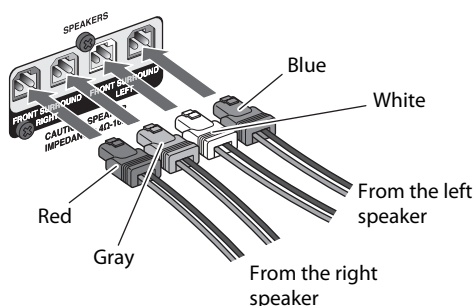
From the main unit
See page 9.

8 To a wall outlet

Plug in the power cord
only after all connections
have been completed.
See page 9.

6 Speakers

Connect the speakers to the subwoofer by connecting the colored connectors to the same color terminals on the rear of the subwoofer.



CAUTION:

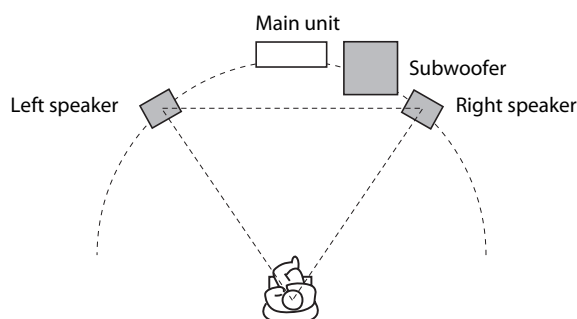
- The supplied speakers are manufactured exclusively for use with the NX-T10 System. Do not connect the supplied speakers to any devices other than the subwoofer of the System (SP-NXT10W). Doing so may damage the speakers.
- Do not connect external speakers together with the supplied speakers. The change in impedance may damage the System.

IMPORTANT

- Improper speaker cable connection reduces the stereo effect and sound quality.
- The supplied left/right speakers are magnetically shielded, but color irregularity may occur on the TV. To prevent color irregularity, set up the speakers following the instructions below. (The subwoofer is not magnetically shielded.)
 - 1 Turn off the main power of the TV before setting up the speakers.
 - 2 Place the speakers enough distance from the TV so that they do not cause color irregularity on the TV.
 - 3 Wait for approximately 30 minutes before turning on the main power of the TV again.

Continued on the next page

Speaker layout



This System is designed to provide virtual surround sound by positioning the 3 speakers in front. Omni-Directional Speakers provides a wide sound field and realistic acoustic ambience.

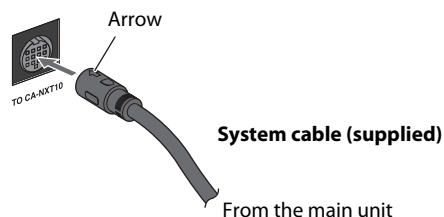
- When it is difficult to place the speakers as illustrated above, you can adjust the output level of the speakers to have a better sound effect. See page 42.

CAUTION:

When installing the left and right speakers on a wall:

- When installing the speakers on a wall, be sure to have the speakers installed by qualified personnel.
- DO NOT install the speakers on the wall by yourself to avoid unexpected damage from them falling off the wall due to incorrect installation or weakness in wall structure.
- Care must be taken in selecting a location for speaker installation on a wall. Injury to personnel or damage to devices may result if the installed speakers interfere with daily activities.

7 System cable



Connect the system cable with the arrow side facing up.

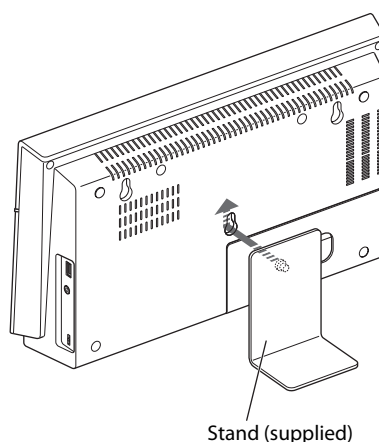
8 Power cord

Connect the power cord of the subwoofer after other connections have been completed.

The ϕ /I lamp on the main unit and the POWER ON/STANDBY lamp on the subwoofer light red.

To attach the supplied stand to the main unit

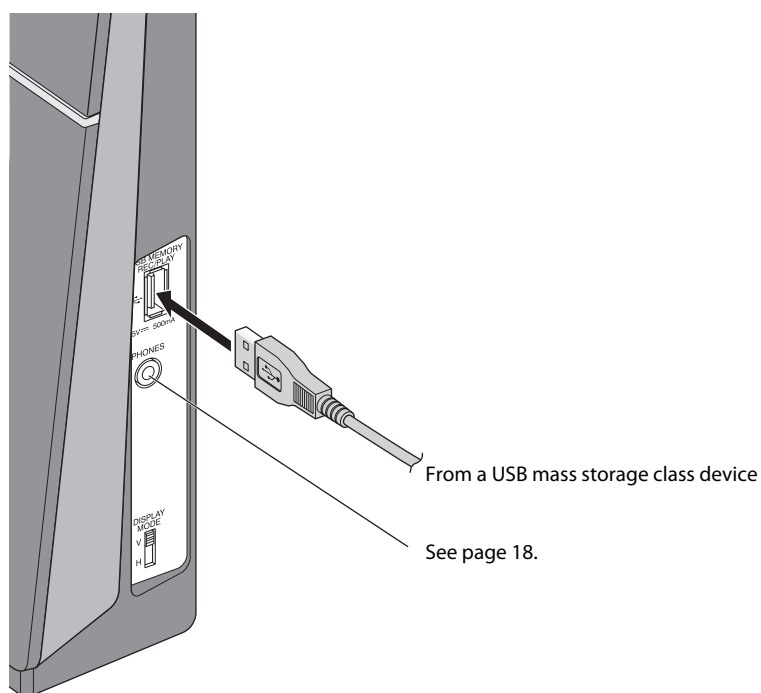
When placing the main unit vertically, make sure to attach the supplied stand to the main unit. Attach the supplied stand firmly to the back of the main unit after connections have been completed.



CAUTION:

Detach the stand before carrying the main unit.

Side panel of the main unit



When connecting a USB mass storage class device

- When connecting with a USB cable, use the USB 2.0 cable whose length is less than 1 m.
- You can connect a USB mass storage class device such as a USB flash memory device, hard disk drive, multimedia card reader, etc. to this System.
- You cannot connect a computer or JVC Everio camcorder to the USB MEMORY REC/PLAY terminal (●↔) 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 reset this System and the USB device.

When Installing the Main Unit on a Wall

You can install the main unit on a wall.

CAUTION:

- Be sure to have the main unit installed by qualified personnel.
- DO NOT install the main unit on the wall by yourself to avoid unexpected damage from them falling off the wall due to incorrect installation or weakness in wall structure.
- Care must be taken in selecting a location for installation on a wall. Injury to personnel or damage to devices may result if the main unit installed on a wall interfere with daily activities.
- The main unit weighs approximately 2.3 kg. Sufficient care must be required when installing the main unit on a wall to prevent any accidents caused by the main unit's falling off.
- Before installing the main unit on a wall, check the wall (or other related aspects) to install, and verify whether the strength of the wall will be sufficient to support the weight of the main unit.
- Do not install the main unit to a plywood or plasterboard wall. The main unit will fall and sustain damage as a result.
- The screws needed for attachment are not supplied. Use screws which are compatible with the strength and material of the pillar or wall.
- When installing the main unit, the screws must be secured tightly in all three locations. Failure in installing the main unit to the wall using all three holes on the back of the main unit makes for an unstable installation and it constitutes a safety hazard as the main unit may fall down.

Example of attachment

The procedure below is an example of how to attach the main unit to a wall.

It does not make any guarantee for safety while using the main unit on the wall. Take into account such factors as the material, strength, and the status of the wall as well as the reinforcing material, and the possible changes that will take place over time.

- You need to connect the cords to the main unit before attaching it to the wall.
- DO NOT plug the power cord into an AC outlet before installing the main unit on the wall.

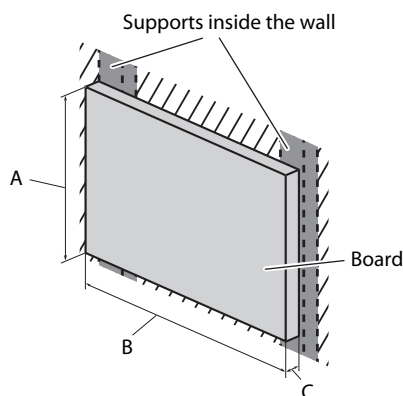
1 Select the place (wooden wall) where the main unit is to be attached.

Avoid a plywood or plasterboard wall.

2 For reinforcement purposes, prepare the wooden board which will be used to install the main unit on the wall.

Before proceeding, check the position of the supports inside the wall.

Use a sturdy board sized as below:



- A (Height): Higher than the main unit
B (Width): Wider than the distance between the two supports inside the wall
C (Thickness): 9 mm to 15 mm

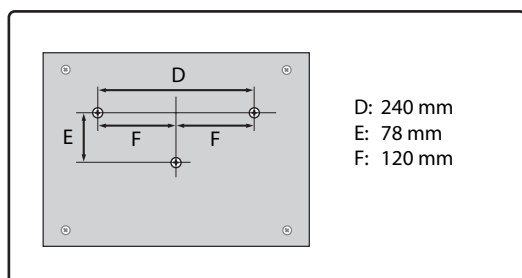
3 Attach the board to the wall.

Anchor the board securely in at least four places to the supports inside the wall.

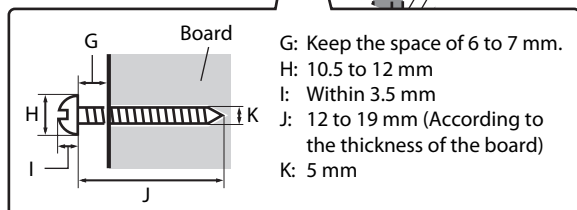
The diameter of the screws must be more than 4 mm and their length must be 3 times the thickness of the board mounted on the wall (also take the thickness of the wall into account).

4 Mount three screws (not supplied) to the board which has been attached on the wall.

Attach the screws to the board as illustrated below.



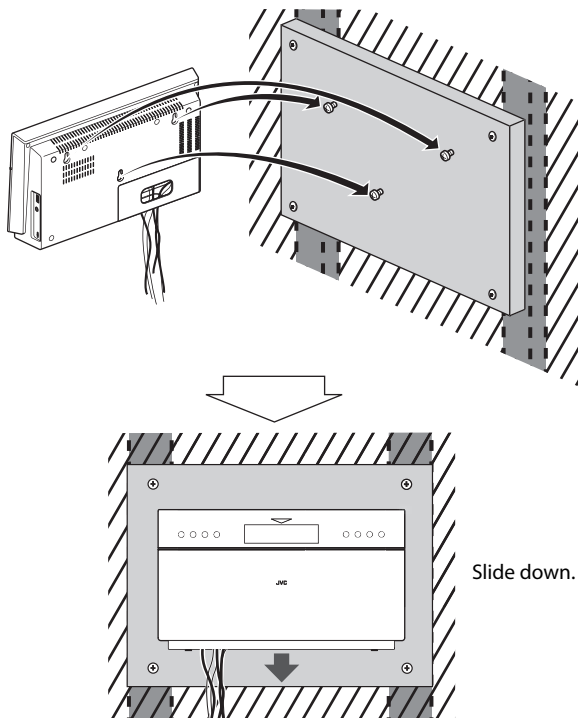
Screws (not supplied)



5 Hook the main unit onto the mounted screws and slide the main unit down.

Make sure that the main unit is installed securely.

- Adjust the screws if the main unit is not installed securely.

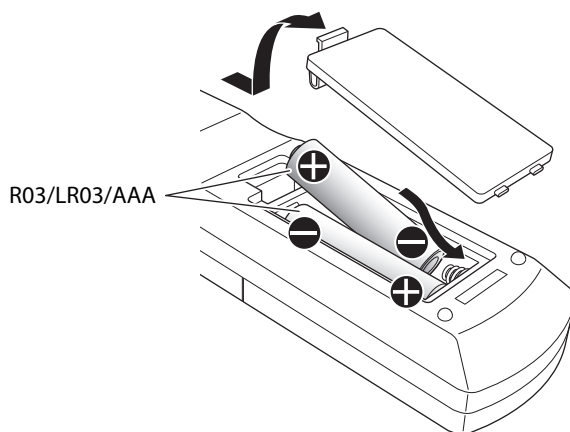


Continued on the next page

- Do not place anything on top of the main unit. Doing so may cause the main unit to fall down, and cause injury to the persons around.
- Do not climb onto the main unit or hang from it. Doing so may damage the main unit and/or cause injury to the person.
Take care specially when there are small children at the home.
- Avoid sandwiching the cords between the main unit and wall. This may upset the balance of the main unit and cause the main unit to fall down.
- Make sure that the connected cords will not interfere with daily activities and that the users will not be caught in the cords.
- Do not pull the connected cords with excessive force.
- Check regularly that none of the screws are loose.
- In the event that the main unit has fallen, turn off the power, disconnect the power cord from the AC outlet. Then, contact your dealer for an inspection and repairs. Using the main unit in this state may cause a fire or electrical shock.
- Do not place valuables (breakables) underneath the location where the main unit is installed. They will be damaged if the main unit should fall.
- JVC bears no responsibility for any accidents or damage resulting from inadequate assembly or mounting, insufficient strength of attachment, misuse or abuse, or natural disasters.

Preparing the Remote Control

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

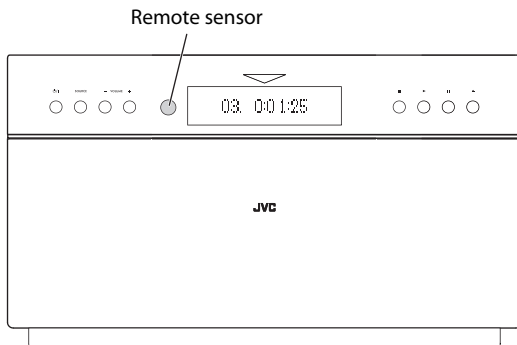


- If the range or effectiveness of the remote control decreases, replace both batteries.

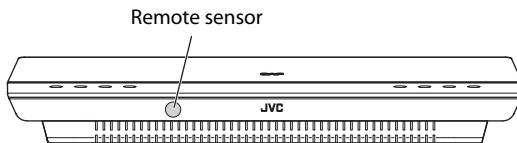
When using the remote control

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 (approx. 5 m) may be shorter.

When placing the main unit vertically (with the DISPLAY MODE switch set to "V")



When placing the main unit horizontally (with the DISPLAY MODE switch set to "H")



Changing the Scanning Mode INFO

Select the video signal output according to the type of your TV after connecting the main unit to the TV.



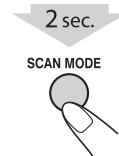
- Turn on the System before setting the scanning mode. See page 17.
- There is no need to make this setting when you connect the TV with a composite video cord.

1 Select DVD/CD as the source.

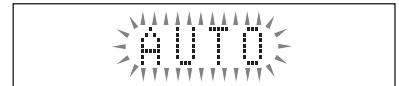
DVD/CD



2 Enter the scanning mode setting.



Ex.: When the TV is connected to the HDMI MONITOR OUT terminal



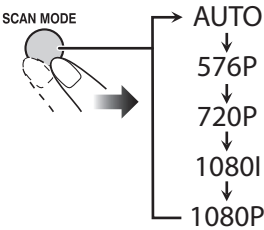
- Finish the following process while the setting item is flashing.

Continued on the next page



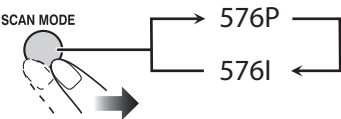
3 Select the scanning mode.

When connecting the TV to the HDMI MONITOR OUT terminal



AUTO	Normally select this.
576P	Select a scanning mode when it is needed. <ul style="list-style-type: none">• Available settings vary according to the available resolutions of the connected TV.
720P	
1080I	
1080P	

When connecting the TV to the COMPONENT jacks



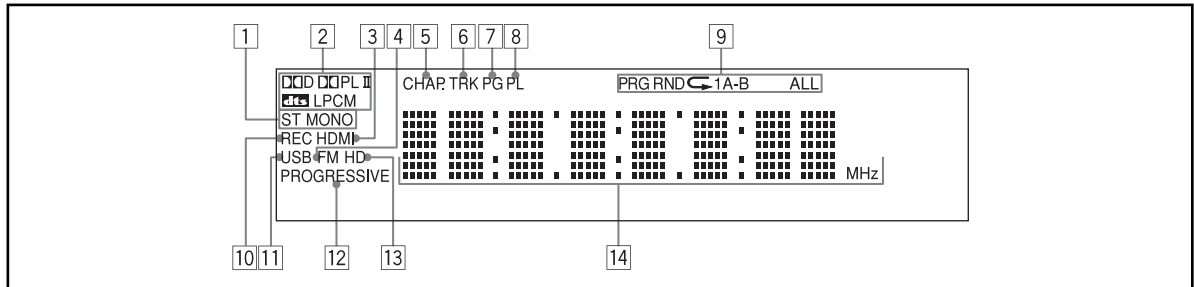
576P	Select this when connecting the TV compatible with the progressive scanning to the COMPONENT jacks. Progressive scanning delivers a high quality picture.
576I	Select this when connecting the TV that does not support the progressive scanning.

4 Store the setting.



Display Indicators

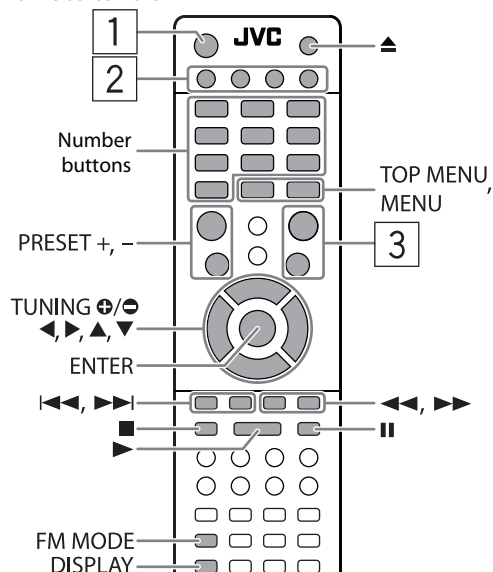
The indications on the display tell you a lot of things while you are operating the System.
Before operating the System, be familiar with when and how the indicators light on the display.



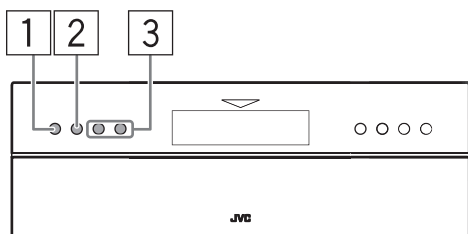
- 1 FM reception indicators
 - ST (stereo): lights while an FM stereo station with sufficient signal strength is tuned in.
 - MONO (monaural): lights while receiving an FM station in monaural.
- 2 Digital audio signal format indicators
- 3 HDMI indicator
 - Lights when an HDMI video signal is output.
- 4 FM indicator
 - Lights when FM is selected as the source.
- 5 CHAP. (chapter) indicator
 - Lights to indicate the chapter number.
- 6 TRK (track) indicator
 - Lights to indicate the track number.
- 7 PG (program) indicator
 - Lights when an Original Program on DVD-VR is played.
- 8 PL (Play List) indicator
 - Lights when a Play List on DVD-VR is played.
- 9 Playback mode indicators
 - PRG: lights when Program Play is activated.
 - RND: lights when Random Play is activated.
 - Repeat Mode indicators:
 - 1: lights when One Track/File/Chapter Repeat is activated.
 - : lights when One Group/Title/Original Program/Play List Repeat is activated.
 - ALL : lights when All Track/File/Title/Original Program Repeat is activated.
 - A-B : lights when A-B Repeat is activated.
- 10 REC (recording) indicator
 - Flashes when recording starts and remains lit while recording.
- 11 USB indicator
 - Lights in the following cases:
 - When “USB” is selected as the source and a USB mass storage class device is connected.
 - When recording to a USB mass storage class device.
- 12 PROGRESSIVE (progressive) indicator
 - Lights when the progressive scanning mode is selected.
- 13 HD (High Definition) indicator
 - Lights when a High Definition (720p/1080i/1080p) video signal is emitted from the HDMI MONITOR OUT terminal.
- 14 Main display
 - While listening to FM: band (or preset number) and station frequency appear.
 - While “HDMI 1,” “HDMI 2,” “DGTL (DIGITAL) IN,” or “AUDIO IN” is selected as the source: the current source name appears.
 - While playing a disc or file: current status appears.

Daily Operations—Playback

Remote control



Main unit



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.

1 Turn on the power.

The ϕ/I lamp on the main unit lights blue.

- The POWER ON/STANDBY lamp on the subwoofer also lights blue.
- Instead of pressing ϕ/I , the System is turned on by pressing one of the following buttons:
 - DVD/CD, HDMI 1/2, INPUT, FM, SOURCE, \blacktriangleright , \blacktriangle

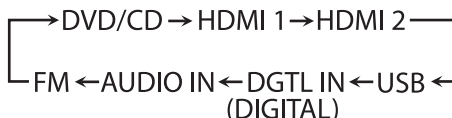
2 Select the source.

From the Remote control

- For disc: Press DVD/CD. See page 19.
- For FM: Press FM. See page 18.
- For HDMI 1/2: Press HDMI 1/2 repeatedly to select "HDMI 1" or "HDMI 2." See page 21.
- For USB/DIGITAL IN/AUDIO IN: Press INPUT repeatedly to select "USB," "DGTL IN," or "AUDIO IN." See pages 19 and 21.

On the Main unit

Pressing SOURCE repeatedly changes the source as follows:



- You can change the display information by pressing DISPLAY. For details, see page 23.

3 Adjust the volume.

You can adjust the volume level from "VOL MIN" (level 0) to "VOL MAX" (level 60).

To turn off (standby) the System



The ϕ/I lamp on the main unit lights red.

- The POWER ON/STANDBY lamp on the subwoofer also lights red.
- A small amount of power is always consumed even while on standby.



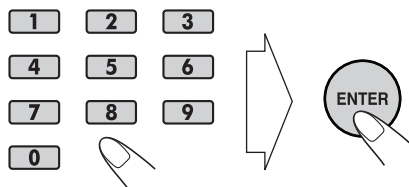
DO NOT turn off (standby) the System with the volume set at an extremely high level; otherwise, the sudden blast of sound may damage your hearing, speakers and/or headphones when you turn on the System or start playback.

For private listening

Connect a pair of headphones to the PHONES jack on the main unit (see page 10). The sound will no longer come out of the speakers. **Be sure to turn down the volume before connecting or putting on the headphones.**

- Disconnecting the headphones will activate the speakers again.
- The surround effect is automatically deactivated while connecting a pair of headphones.

How to select a number



Press the number buttons to enter the number, then press ENTER.
Some items are automatically selected without pressing ENTER.

Examples:

To select number 7, press 7, then ENTER.

To select number 14, press 1, 4, then ENTER.

To select number 78, press 7, 8, then ENTER.

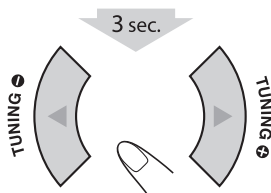
To select number 104, press 1, 0, 4, then ENTER.

Listening to the FM Radio INFO

- This System cannot receive the AM (LW/MW) band.

To tune in to a station Remote ONLY

While FM is selected...



Frequency starts changing on the display.
When a station (frequency) with sufficient signal strength is tuned in, the frequency stops changing.

- When you repeatedly press the button, the frequency changes step by step.

To manually stop the search, press either button.

If the FM reception is poor Remote ONLY



The MONO (monaural) indicator lights on the display.
Reception will improve though stereo effect is lost—
Monaural reception.

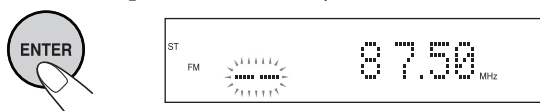
To restore the stereo effect, press the button again. The ST (stereo) indicator lights on the display when an FM stereo broadcast with sufficient signal strength is received.

To preset the stations Remote ONLY

You can preset 30 FM stations.

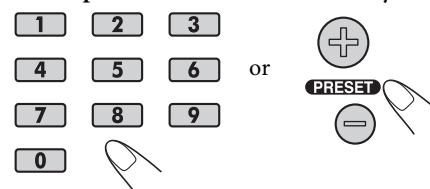
1 Tune in to a station you want to preset.

2 Activate the preset number entry mode.



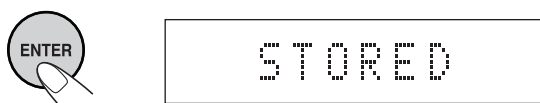
- Finish the following process while the preset number is flashing.

3 Select a preset number for the station you store.



- To select a number with the number buttons, see "How to select a number" on the left column.

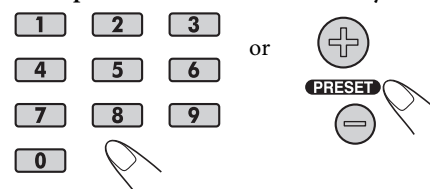
4 Store the station.



To tune in to a preset station Remote ONLY

While FM is selected...

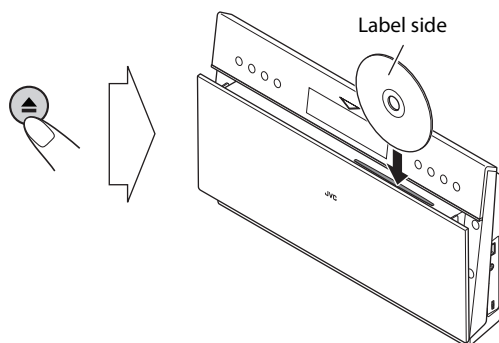
Select the preset number for the station you stored.



- To select a number with the number buttons, see "How to select a number" on the left column.

Playing Back a Disc/USB Mass Storage Class Device INFO

To insert a disc



The disc player panel is automatically closed and the System starts reading the disc.

To close the disc player panel manually, press ▲.

- For some discs, playback automatically starts after the System finishes reading the disc.

To connect a USB mass storage class device

- For connecting a USB mass storage class device, see page 10.
- Always set the volume level to the minimum when connecting or disconnecting a USB mass storage class device.
- To disconnect a USB mass storage class device safely, turn off the System before disconnecting the device.

■ To play back a disc/USB mass storage class device

While DVD/CD or USB is selected...

To start: 	
To pause: 	To stop:
To release, press ►.	

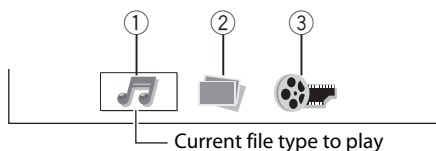
If different types of playable files (audio/still picture/moving picture) are recorded



Select a file type on the control screen (on the TV).

- For still/moving picture files, it appears while playback is stopped. For details, see page 37.

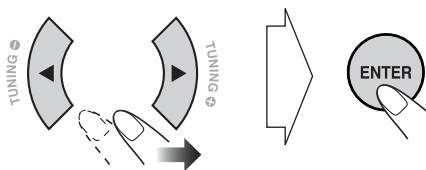
1



Control screen appears on the TV.

- ① Audio
- ② Still picture
- ③ Moving picture

2 Select a file type.



When the sound of DVD Video or DVD-VR is not loud enough

DVD sound is sometimes recorded at a lower level than other discs and sources. You can set the increase level for the currently loaded DVD (without changing the volume level). To set the increase level, see page 41.

Resume play

The System can store the stop point of playback. When you start playback again by pressing ►, playback starts from the position where you have stopped.

To stop completely, press ■ twice.

- The following operations also erase the memory of the stop point:
 - Pressing ▲ to open the disc player panel
 - Pressing ⏻/I to turn on the System when the System is turned off (standby).

■ To select a folder/group


You can select a folder/group by using the control screen. For details, see page 37.

■ To select a chapter/track/file

- For VCD/SVCD, cancel PBC (see page 21).

While playing...



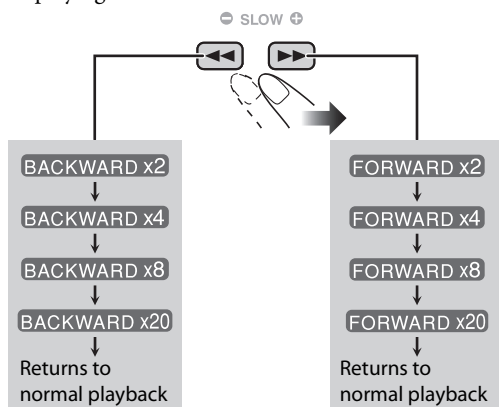
- When you press  for the first time, you will go back to the beginning of the current chapter/track/file.

- You can also select the position to play by using the on-screen bar. For details, see page 35.

■ To locate a particular portion

- This does not function for JPEG files.

While playing...



- For MP3/WMA/MPEG-1/MPEG-2/DivX files, the search speed and indications on the TV are different from those above.
- No sound comes out if searching is carried out while showing the moving picture.

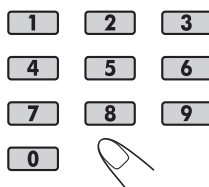
To return to normal playback, press .

- You can also select the position to play by using the on-screen bar. For details, see page 35.

■ To locate an item directly

You can select a title/chapter/track/file directly and start playback.

- For DVD Video, you can select a **title before starting playback**, while you can select a **chapter after starting playback**.



- To select a number, see “How to select a number” on page 18.

- You can also select the position to play by using the on-screen bar. For details, see page 35.

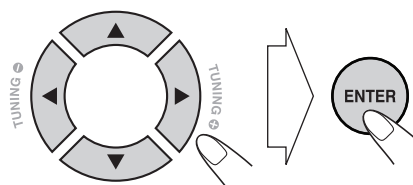
■ To play back using the disc menu

For DVD Video

1 Show the disc menu.



2 Select an item on the disc menu.



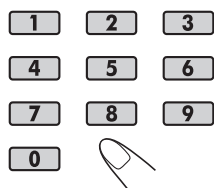
- For some discs, you can also select items by entering the number using the number buttons.

Continued on the next page

For SVCD/VCD with PBC

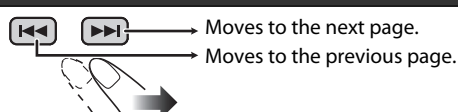
When a disc menu appears on the TV, select an item on the menu. Playback of the selected item starts.

- While playing a disc with PBC, "PBC" appears on the on-screen bar (see page 34).



- To select a number, see "How to select a number" on page 18.

To move to the next or previous page of the current menu:



To show the menu during playback:

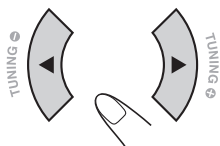


To cancel PBC, select a track to play by using the on-screen bar. For details about the on-screen bar operation, see page 35.

To activate PBC again, press MENU to show the menu.

■ To rotate a JPEG file

To rotate the file by 90 degree:



To reflect the file vertically:



To reflect the file horizontally:



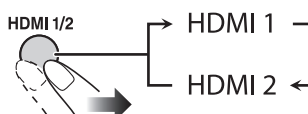
Playing Back Other Equipment

You can listen to other equipment connected to the System.

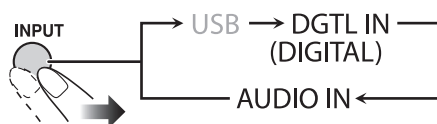
- Make sure to turn down the volume on the System to minimum level before starting playback.
- For connecting other equipment, see pages 5 – 7.

From the Remote control

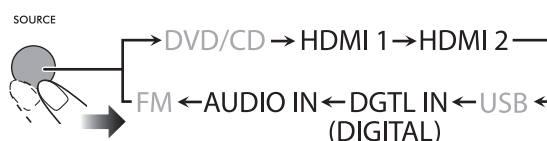
For a device connected to HDMI IN 1/HDMI IN 2



For a device connected to AUDIO IN/DIGITAL IN



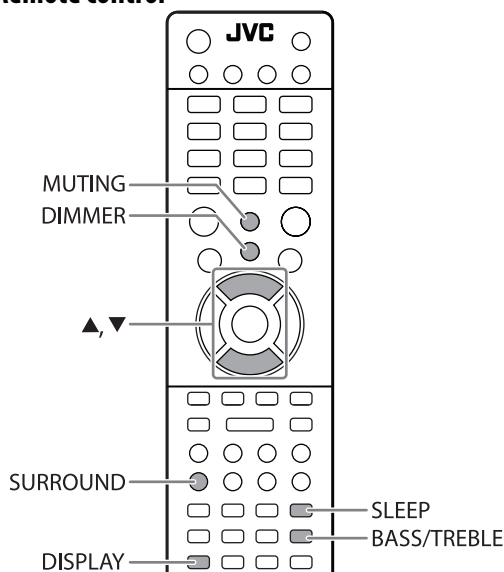
On the Main unit



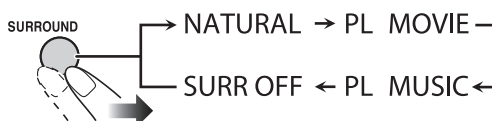
- With the HDMI CEC function, you can operate other devices through the HDMI connection. For details about the HDMI CEC function, see page 42.

Daily Operations—Sound & Other Adjustments

Remote control



For other audio signals than 5.1 channels



NATURAL

The System reproduces the sound as follows:

- **Left channel sound:** From the speaker units on the top and front of the left speaker
- **Right channel sound:** From the speaker units on the top and front of the right speaker

Dolby Pro Logic II is deactivated when this mode is selected.

PL MOVIE

Dolby Pro Logic II Movie (PL MOVIE) or Dolby Pro Logic II Music (PL MUSIC) is activated.

- When “PL MOVIE” or “PL MUSIC” is selected, **PL II** indicator lights on the display.

SURR OFF

Stereo sound is reproduced from the speaker units on the front of the speakers.

Turning Off the Sound in a Moment

MUTING



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



Adjusting the Sound

INFO



To activate the surround mode

For Disc/USB/HDMI 1/HDMI 2/DGTL IN

For a 5.1 channel digital audio signal (Dolby Digital or DTS Digital Surround)

The surround mode appropriate for the audio signal is automatically activated.

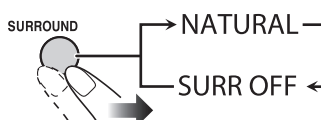
DD or **Dts** indicator lights on the display.

When the System reproduces a 5.1 channel digital audio signal, each channel is reproduced as follows:

- **Front channels:** Reproduced from the speaker units on the front of the speakers.
- **Center channel:** Reproduced from the speaker units on the front of the speakers, half from the left speaker and half from the right speaker.
- **Surround channels:** Reproduced from the speaker units on the top of the speakers.

If you press SURROUND to set the surround mode to “SURR OFF,” the audio signal is down-mixed into 2 channels and reproduced only from the speaker units on the front of the speakers.

For FM/AUDIO IN



NATURAL

The System reproduces the sound as follows:

- **Left channel sound:** From the speaker units on the top and front of the left speaker
- **Right channel sound:** From the speaker units on the top and front of the right speaker

Dolby Pro Logic II is deactivated when this mode is selected.

SURR OFF

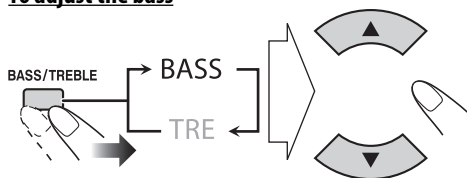
Stereo sound is reproduced from the speaker units on the front of the speakers.

Subwoofer is always activated to reproduce the bass sound.

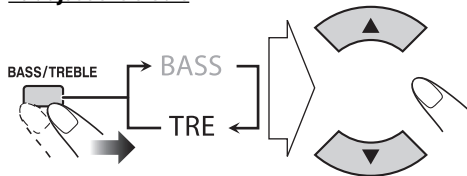
■ To adjust the tone

You can adjust the bass and treble level from -10 to +10 (by 2 step).

To adjust the bass



To adjust the treble

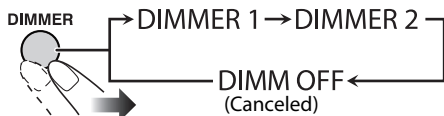


Changing the Display

Brightness

You can dim the display.

While the System is turned on...



DIMMER 1 The display and illumination dim.

DIMMER 2 The display and illumination are dimmer than "DIMMER 1."
 • When playing a DVD Video/DVD-VR, all illuminations except the display and \odot /I lamp are turned off.

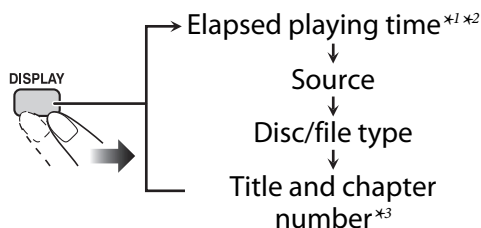
DIMM OFF Cancels the dimmer function.

Changing the Display

Information



You can change the display information of Disc/File playback.



^{*1} Current picture (file) number for JPEG files

^{*2} Each time you press and hold DISPLAY for more than 3 seconds, you can change the time indication on the display and on-screen bar. For details, see page 34.

^{*3} For CD/SVCD/VCD: Track number
 For MP3/WMA/JPEG/MPEG-1/MPEG-2/DivX files: Group and file number
 For DVD Video/DVD-VR: Title and chapter number

Turning Off the Power

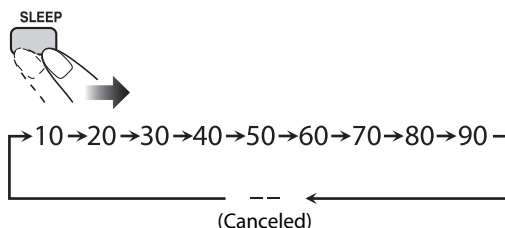
Automatically



■ Sleep Timer

You can set the shut-off time so that you can go to bed without turning off the System yourself.

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 once.

- If you press the button repeatedly, you can change the shut-off time.

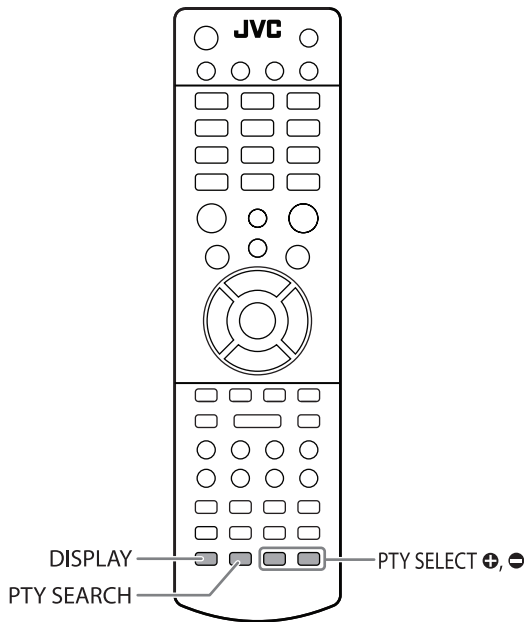
■ Auto Standby

While DVD/CD or USB is selected...

The System turns off (standby) automatically if no operation is done for about 30 minutes after playback is stopped.

Advanced Radio Operations INFO

Remote control



Receiving FM Stations with Radio Data System



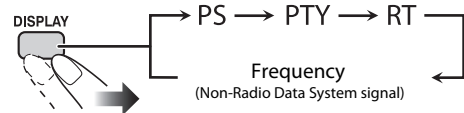
Radio Data System allows FM stations to send an additional signal along with their regular program signals.

This System can receive the following types of Radio Data System signals.

PS (Program Service)	Shows commonly known station names.
PTY (Program Type)	Shows types of broadcast programs.
RT (Radio Text)	Shows text messages the station sends.

■ To show the Radio Data System information

While listening to an FM station...



PS	Station names are displayed. "NO PS" will appear if no signal is sent.
PTY	The broadcast program type is displayed. "NO PTY" will appear if no signal is sent.
RT	Text messages the station sends are displayed. "NO RT" will appear if no signal is sent.

Searching for a Program by PTY

Codes



You can locate a particular kind of program from the preset channels (see page 18) by specifying the PTY codes.

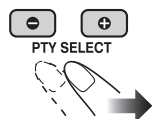
■ To search for a program using the PTY codes

1 While listening to an FM station...

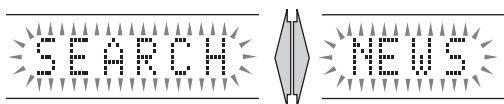


A PTY code appears on the display.

2 Select a PTY code you want.



3 Start searching.



Ex.: When "NEWS" is selected

The System searches for 30 preset FM stations, stops when it finds the one you have selected, and tunes in to that station.

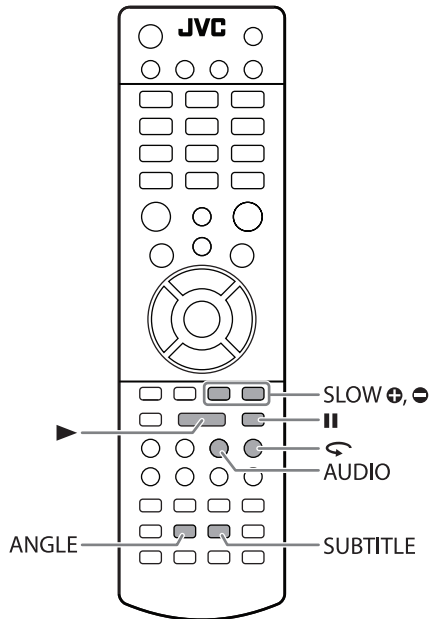
- If no program is found, "NO FOUND" appears on the display.
- To stop searching any time during search, press any button.

To continue searching after it stops on an unwanted station

While the indications on the display are flashing, press PTY SEARCH again.

Unique Video Disc/File Operations

Remote control



Selecting the Audio Track INFO Remote ONLY »»

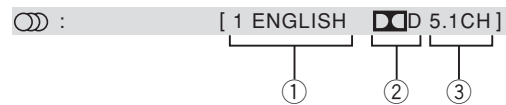
For DVD Video: While playing back a chapter/file containing several audio languages, you can select the language to listen to.

For DVD-VR/SVCD/VCD: While playing back a track, you can select the audio channel to listen to.

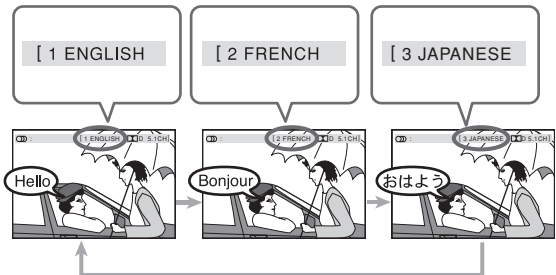


While playing a DVD Video...

Ex.:

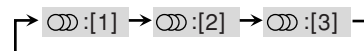


- ① Language
- ② Audio format
- ③ Channel

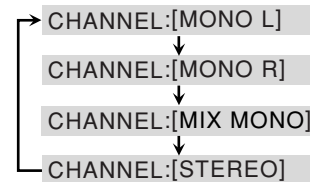


While playing a DVD-VR or SVCD/VCD...

SVCD



DVD-VR/VCD



STEREO	To listen to normal stereo (2-channel) playback.
MONO L	To listen to the left audio channel.
MONO R	To listen to the right audio channel.
MIX MONO	To listen to monaural sound the left and right sounds are mixed.

- SVCD can have 4 audio channels. SVCD usually uses these 4 channels to record two 2-channel recordings (STEREO).

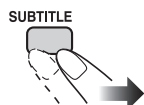
Selecting the Subtitle Language

For DVD Video: While playing back a chapter/file containing subtitles in different languages, you can select the subtitle language to display on the TV.

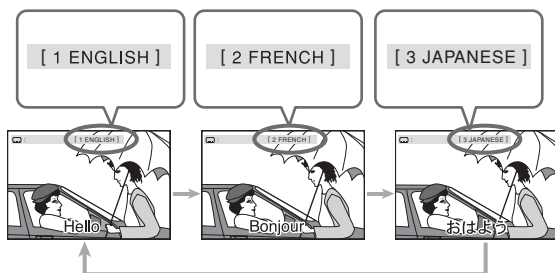
For DVD-VR: While playing, you can turn the subtitles on or off.

For SVCD: While playing, you can select the subtitles even if no subtitles are recorded on the disc.

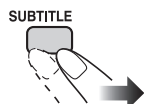
While playing a DVD Video...



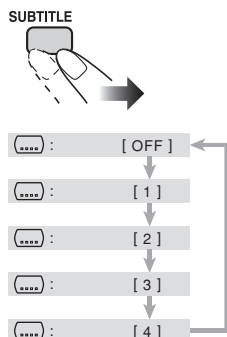
Ex.:



While playing a DVD-VR...



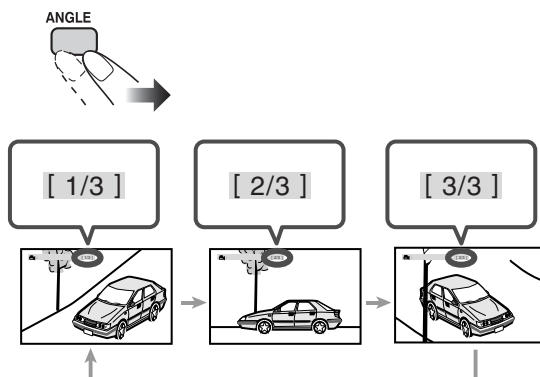
While playing an SVCD...



Selecting the View Angle

For DVD Video only: While playing back a chapter containing multi-view angles, you can view the same scene from different angles.

While playing a DVD Video...



Special Effect Playback INFO

Still picture playback

To display the still picture:

While playing...



To resume normal playback, press ►.

To replay the previous scenes (One-Touch Replay)



- This function is only used while playing DVD Video/ DVD-VR.

While playing....

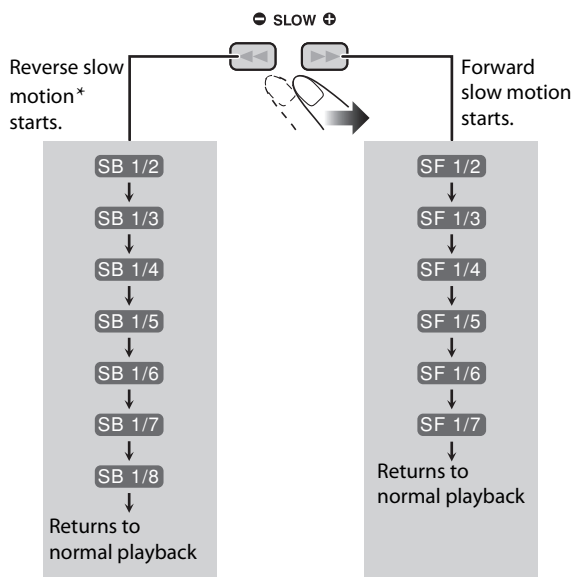


The playback position moves back about 10 seconds before the current position (only within the same title for DVD Video).

Slow-motion playback Remote ONLY

- This function is used only while playing DVD Video/ DVD-VR/SVCD/VCD.

While pausing....

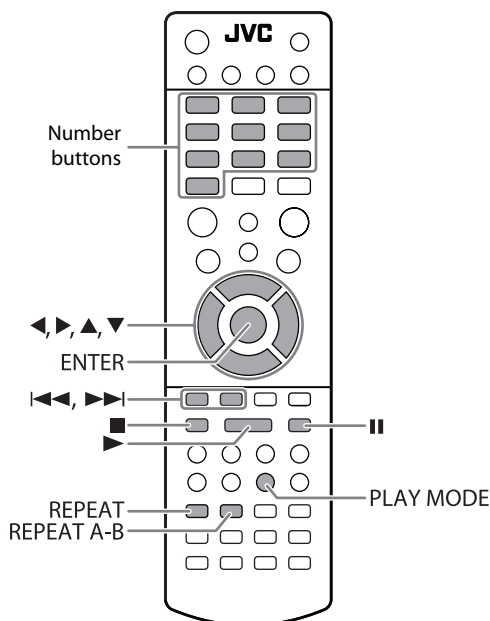


* Only available for DVD Video.

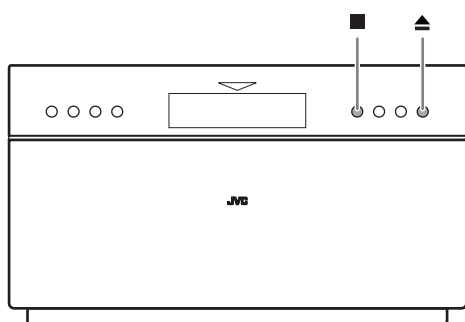
To resume normal playback, press ►.

Advanced Disc/File Playback Operations

Remote control



Main unit



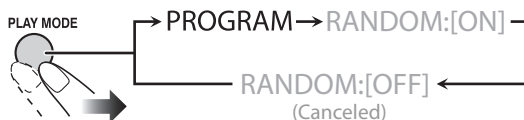
Programming the Playing Order— Program Play **INFO**



You can arrange the playing order of the chapters/tracks/files (up to 32) before you start playback.

- Program Play cannot be used for DVD-VR and JPEG/MPEG-1/MPEG-2/DivX files.

1 Before starting playback, activate Program Play.

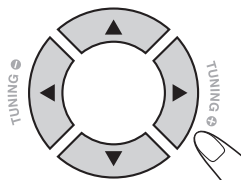


	T	C	T	C	T	C
1	9	17	25			
2	10	18	26			
3	11	19	27			
4	12	20	28			
5	13	21	29			
6	14	22	30			
7	15	23	31			
8	16	24	32			

On the TV (Ex. DVD)

- To exit from the program menu screen and quit Program Play, press ■.

2 Select chapters/tracks/files you want for Program Play.

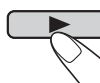


Select a chapter or track/file number.

- To select a number, input a number directly with the number buttons (see page 18).
- To erase the entire program, select “CLEAR” on the program menu screen, then press ENTER.

3 Repeat step 2 until you complete your program.

4 Start playback.



Playback starts in the order you have programmed.

- You can also start playback by selecting “PLAY” on the program menu screen and then pressing ENTER.

To skip:	To pause:	To stop:
	To release, press ►.	Pressing ■ deactivates Program Play.

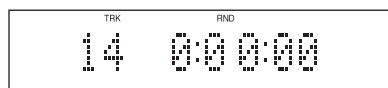
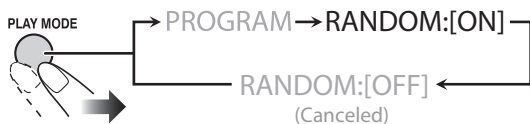
Playing at Random— Random Play



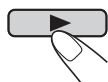
You can play all chapters or tracks at random.

- Random Play cannot be used for DVD-VR and JPEG/MPEG-1/MPEG-2/DivX files.

1 Before starting playback, activate Random Play.



2 Start playback.



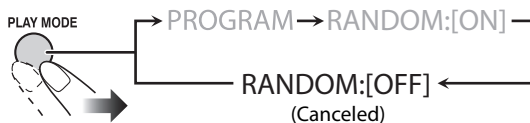
Playback starts in random order.

- For some discs/files, playback automatically starts without pressing ►.

To skip a chapter/ track:	To pause:	To stop:
	To release, press ►.	

To exit Random Play

Before or after playback...



- Pressing TIME SEARCH also cancels Random Play.

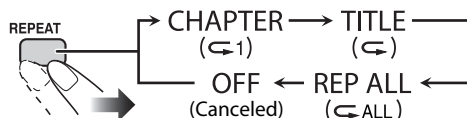
Playing Repeatedly

INFO



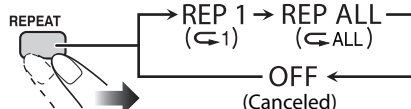
For DVD Video

While playing...



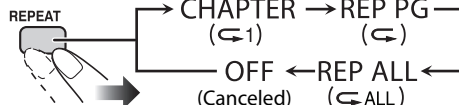
For CD/SVCD/VCD

While playing (without PBC for SVCD/VCD)...

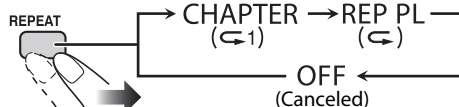


For DVD-VR

While playing an Original Program...

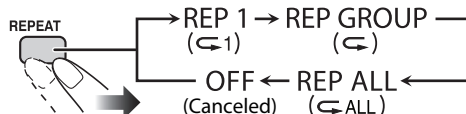


While playing a Play List...



For MP3/WMA/JPEG/MPEG-1/MPEG-2/DivX files

While playing...



CHAPTER	Repeats the current chapter.
TITLE	Repeats the current title.
REP 1	Repeats the current track/file.
REP GROUP	Repeats the current folder/group.
REP PG	Repeats the current Original Program.
REP PL	Repeats the current Play List.
REP ALL	Repeats all the contents or programmed tracks/files.

- Repeat Play will be canceled when you stop playback.

■ A-B Repeat



You can repeat playback of a desired portion by specifying the beginning (point A) and the ending (point B).

- A-B Repeat cannot be used for JPEG files and some DVDs.

1 While playing, select the start point (A).



2 Select the end point (B).

Press REPEAT A-B again.

- You can search for the end point using the ►► button.

To cancel A-B Repeat, press REPEAT A-B again.

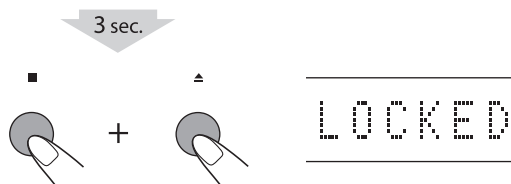
- A-B Repeat will also be canceled when you stop playback or skip the chapter or track.

Prohibiting Disc Ejection— Child Lock



You can lock the disc ejection so that no one can eject the loaded disc.

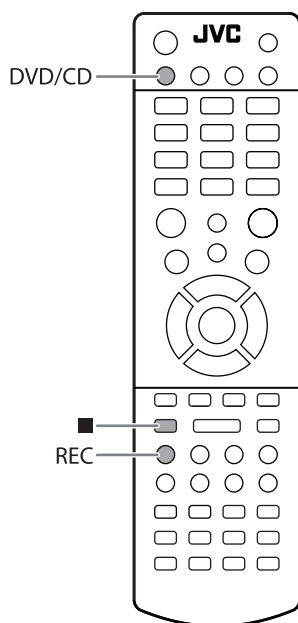
While the System is turned on and the disc player panel is closed...



To cancel the prohibition, repeat the same procedure. “UNLOCKED” appears on the display.

Recording Operations INFO

Remote control

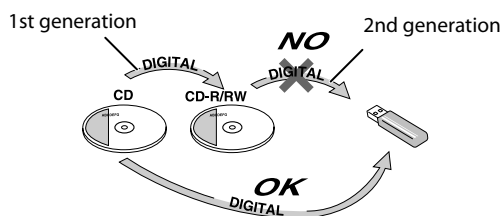


Before You Start Recording

- It should be noted that it may be unlawful to re-record pre-recorded tapes, records, or discs without the consent of the owner of copyright in the sound or video recording, broadcast or cable program and in any literary, dramatic, musical, or artistic work embodied therein.
- The recording level is not affected by the volume.
- Surround mode effect, tone adjustment, and the speaker level settings (see pages 22, 23, and 42) do not affect recordings.
- Random Play and Repeat Mode are canceled during recording mode.
- You can record up to 99 tracks per group to the USB device.
- Tracks which are recorded to the USB device will be converted into MP3 format.
- You cannot start recording into a USB device while "READING" is shown on the display.
- You cannot record tracks in the root group as much as into other groups. This is not a malfunction. It depends on the USB device used.
- Do not disconnect a USB device while playing/recording. It may cause malfunction.

About SCMS (Serial Copy Management System)

The System uses the Serial Copy Management System which allows only first-generation digital copies to be made of premastered software such as regular CDs. If you try to record from a duplicated CD-R or CD-RW into the USB device, "SCMS VLT (violation)" appears on the display.





Recording from a Disc

You can record tracks in digital recording from a CD onto the USB device.

- Do not vibrate the System while recording tracks. It may damage the recorded tracks.

Before recording....

- Connect a recordable USB device to the USB MEMORY REC/PLAY (🔌➡️) terminal. (See also page 10.)
- Turn on the TV and change the input of the TV to the one the System is connected.



1 Select DVD/CD as the source.



2 Start recording.

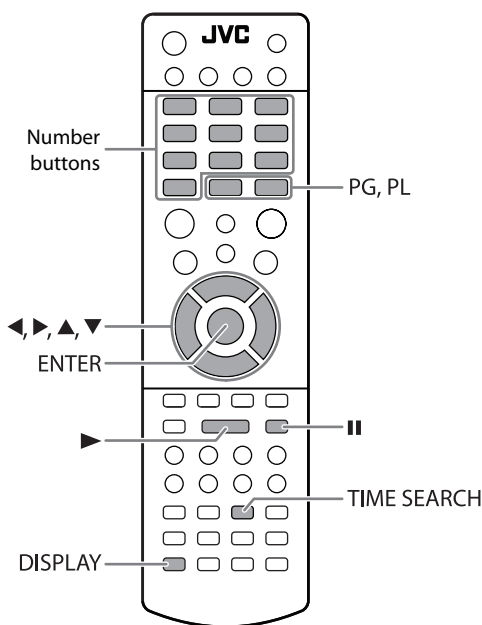


- The System will automatically create the new group as “JVC_A01.” If “JVC_A01” already exists or the number of tracks recorded for one group is more than 99 tracks, “JVC_A02,” “JVC_A03,” and so on will be created.
- You cannot change the source while recording.
- The tracks are recorded in the normal order even if Program Play is activated.
- Some messages may appear on the display when recording. For details about the messages on the display for recording operations, see page 48.
- Playback sound may be interrupted when operating the TV connected with the HDMI cable. However, recording is not affected by the interruption.

To stop recording manually:	To record the playing track (1 track):
	During play or pause... 

On-Screen Operations

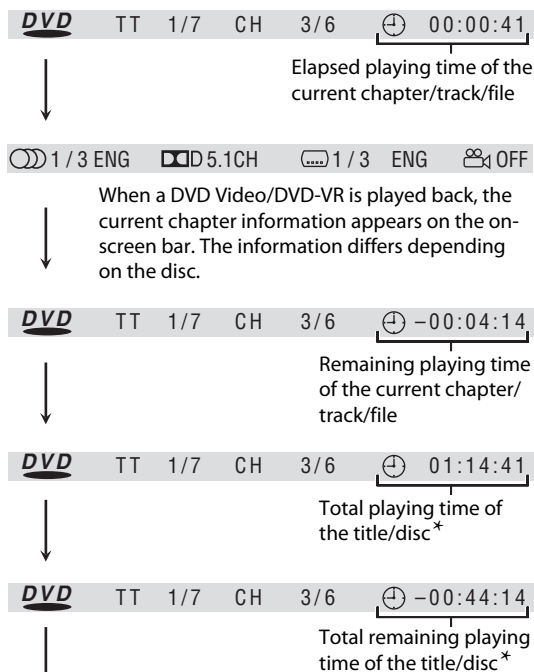
Remote control



To change the indication of the on-screen bar

Each time you press and hold DISPLAY for more than 3 seconds, the on-screen bar changes as follows:

Ex.: For DVD Video



On-screen bar disappears.

* It does not appear when an MP3/WMA/JPEG/MPEG-1/ MPEG-2/DivX files is played back.

- For Audio CD, the on-screen bar automatically appears on the TV when playback is started.
- The time indication on the display of the main unit also changes according to the time indication on the on-screen bar.
- The indication on the on-screen bar differs depending on the type of disc/file.

The following information is displayed on the on-screen bar. Items displayed depend on the types of disc or file.

TT	Title
CH	Chapter
TRK	Track
⊕	Time indication
Ⓚ	Audio language
Ⓜ	Subtitle language
Ⓜ	Angle
D/DTS/LPCM	Audio format
C	Repeat mode
PBC	Playing back a disc with PBC

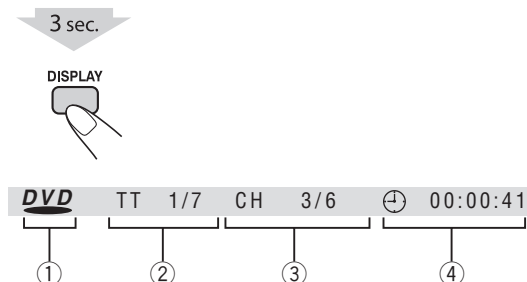
On-Screen Bar Operations



You can check the source information (disc/USB mass storage class device) and playback status in the on-screen bar.

To display the on-screen bar

Ex.: For DVD Video



- 1 Disc/source
- 2 Current title number/Total title number
- 3 Current chapter number/Total chapter number of the current title
- 4 Time indication

■ To select the position to play

Using the on-screen bar, you can select the title/chapter/track to play. You can also select a particular point by specifying the elapsed playback time from the beginning using the on-screen bar.

- This function is not available during Program Play and Random Play.

1 While playing, display the on-screen bar.

- You can also select the position to play before starting playback.

TIME SEARCH

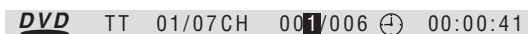
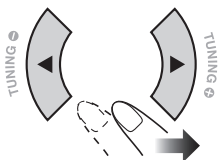


Ex.: When a DVD Video is played

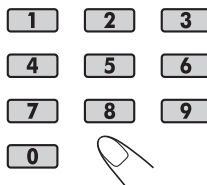
Highlighted



2 Move the highlight to the position you want to specify.

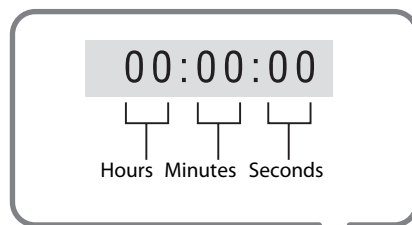


3 Enter the number.



When entering the elapsed playback time

You can specify the time in hours/minutes/seconds.



4 Confirm your entry.



The System starts playing from the selected position.

Control Screen Operations



You can search for and play the desired items through the control screen for DVD-VR and MP3/WMA/JPEG/MPEG-1/MPEG-2/DivX files.

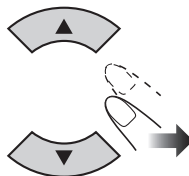
Control screen for DVD-VR

The control screen is superimposed onto the TV screen when you call up Original Program (PG) or Play List (PL).

To select playback type

To display the Original Programs:	To display the Play Lists:
To remove the list, press the same button again.	

To select an item in the list and start playback



- If you move the highlight bar, the selected item starts playback automatically.

Ex.: When Original Program is selected.

ORIGINAL PROGRAM				
NO	DATE	CH	TIME	TITLE
1	2009/12/03	L	12:15:00	La f1
2	2009/12/09	L	23:05:00	The I
3	2009/12/18	L	08:17:00	Freef
4	2009/12/20	L	07:47:00	BOOM!
5	2009/12/25	L	19:38:00	Mr. La

① ② ③ ④ ⑤ ⑥

Ex.: When Play List is selected.

PLAY LIST				
NO	DATE	Chap	Length	TITLE
1	2009/12/03	2	00:23:24	Nebu
2	2009/12/15	4	01:04:39	CDJ
3	2009/12/24	13	00:41:26	Secre
4	2009/12/27	17	00:09:08	S.Wal

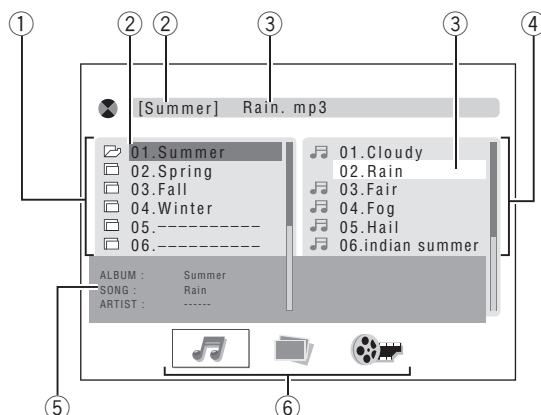
① ② ⑦ ⑧ ⑤ ⑥

- ① Listed number
- ② Recording/creating date
- ③ Recording channels
- ④ Start time of recording
- ⑤ Title
- ⑥ Highlight bar (current selection)
- ⑦ Chapters included
- ⑧ Playback time

■ Control screen for MP3/WMA/JPEG/MPEG-1/MPEG-2/DivX files

The control screen appears on the TV when the System detects MP3/WMA/JPEG/MPEG-1/MPEG-2/DivX files on the loaded disc or connected USB mass storage class device.

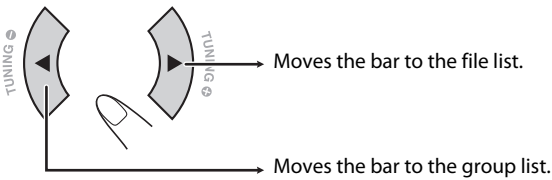
- For JPEG/MPEG-1/MPEG-2/DivX, it appears when playback is stopped.
- Items displayed on the screen depend on the type of the file.



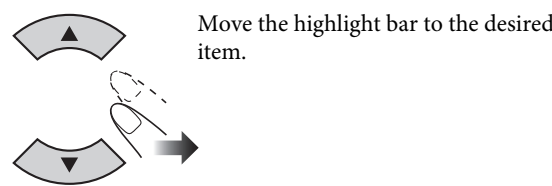
- ① Folder/group list
- ② Current folder/group
- ③ Current file/track
- ④ File/track list
- ⑤ File/track information
- ⑥ File type

- If different types of playable files (audio/still picture/moving picture) are recorded on a disc or USB mass storage class device, select a file type to play (see also page 19).


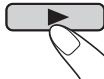

To move the highlight bar between group list and file list



To select an item in the list

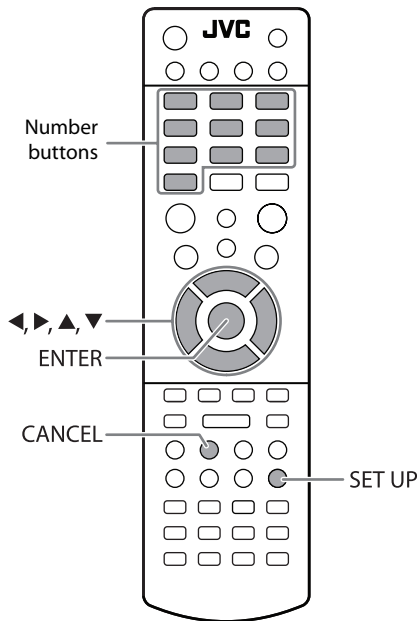


To start playback

For JPEG:	
	The selected file (still picture) is displayed until you change it.
	Slide-show playback starts. Each file (still picture) is shown on the screen for about 3 seconds, then changes one after another. <ul style="list-style-type: none">• To display the current still picture, press II.
For the other files:	
	Playback starts with the selected track. <ul style="list-style-type: none">• Pressing ▶ also starts playback.

Setup Menu Operations INFO

Remote control



Setting Up Playback of Discs/ USB Devices/HDMI Devices

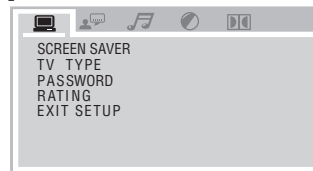


You can change the settings of playback of discs/USB mass storage class device/HDMI devices connected to HDMI IN 1 or 2 with the Setup menu on the TV.

- The Setup menu can be used only when "DVD/CD," "USB," "HDMI 1," or "HDMI 2" is selected as the source.

1 Press SET UP.

The Setup menu appears on the TV and playback is paused.



2 Press ► (or ◀) to select the menu.


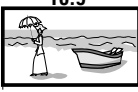


3 Press ▼ (or ▲) to move to select the item.





4 Press ENTER.

5 Press ▼ (or ▲) to select the options, then press ENTER.

To exit from the Setup menu

Press SET UP.

Menu	Item	Contents
	SCREEN SAVER	You can set the SCREEN SAVER function (ON or OFF). If no operation is done for about 3 minutes, the TV screen becomes dark.
	TV TYPE   	<p>You can select the monitor type to match your TV when you play back pictures recorded for wide-screen televisions.</p> <p>4:3 PS (Pan Scan conversion): For a conventional (4:3) TV. The picture is zoomed in to fill the screen vertically and the left and right sides of the picture are cut off.</p> <p>4:3 LB (Letter Box conversion): For a conventional (4:3) TV. Displays a wide-screen picture to fit the width of the TV screen keeping the aspect ratio.</p> <p>16:9 (Wide-screen television): Select this when the aspect ratio of your wide-screen TV is 16:9.</p>
	PASSWORD	<p>You can prohibit operations used for changing the RATING setup. Enter a four-digit password. We recommend that you write your password here for your reminder.</p> <p>Password: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <p>If you forget your password, you can release it by entering 0000.</p>
	RATING	You can set playable rating level with the System.
	EXIT SETUP	Exits from the Setup menu.

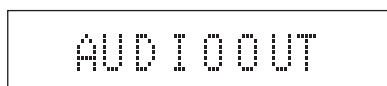
Menu	Item	Contents	
	OSD LANGUAGE	You can select the on-screen language.	“ENGLISH,” “GERMAN,” “SPANISH,” “FRENCH” • For “SUBTITLE LANG,” you can deactivate the subtitle by selecting “OFF.”
	AUDIO LANG	You can select the initial audio language for DVD Video.	
	SUBTITLE LANG	You can select the initial subtitle language for DVD Video.	
	MENU LANG	You can select the initial menu language for DVD Video.	
		DIVX [R] VOD	The System has its own Registration Code. If necessary, you can confirm it. Once you have played back a DivX file in which the Registration Code is recorded, the System’s Registration Code is overwritten for copyright protection.
	HDMI AUDIO	You can select the audio signal type emitted from the HDMI MONITOR OUT terminal. AUTO: Normally select this. The System automatically emits the appropriate audio signal according to the TV connected to the HDMI MONITOR OUT terminal. PCM: Select this if no sound is reproduced on the TV with the “AUTO” setting. The System converts the audio signal into PCM and emits the signal from the HDMI MONITOR OUT terminal.	
	BRIGHTNESS	You can adjust the brightness. (0 to 12)	
	CONTRAST	You can adjust the contrast. (0 to 12)	
	HUE	You can adjust the hue. (–6 to +6)	
	SATURATION	You can adjust the color depth. (0 to 12)	
	SHARPNESS	You can adjust the sharpness. (0 to 8)	
	DYNAMIC RANGE	You can select the Dynamic Range Compression (DRC) for night-time listening. DRC reduces the difference between normal voices and the sound (such as the sound of explosion). The effect of DRC is as follows. FULL 6/8 4/8 2/8 (High ←————→ Low) When “OFF” is selected, the effect is not available.	
	DUAL MONO	You can select the playback sound (channel) you want to listen to while playing digital software recorded (or broadcasted) in Dual Mono mode, which includes two monaural channels separately.	

Setting Up the Sound and HDMI Functions



You can change the settings of sound and HDMI functions with the menu on the display.

- 1 Press and hold SET UP until the menu is shown on the display.



- 2 Press ▼ (or ▲) to select the item to set, then press ENTER.
- 3 Press ▼ (or ▲) to select the setting.
- 4 Press ENTER.
- 5 Repeat step 2 – 4 to set up other items.

To exit from the menu

Press CANCEL.

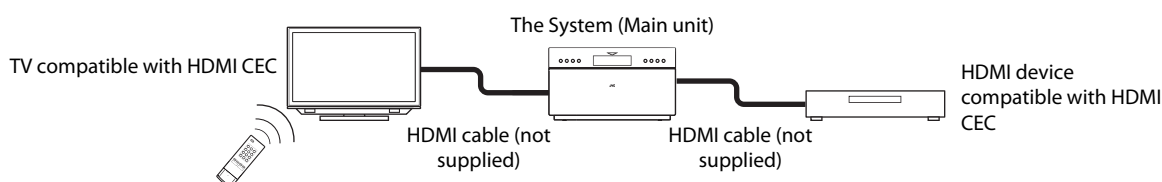
- The menu for settings of sound and HDMI functions goes off if any operation is not performed for about 5 seconds.

Item	Contents
AUDIOOUT	<p>You can select whether or not the audio signal from the HDMI MONITOR OUT terminal is emitted.</p> <p>TV: The audio signal is emitted from the HDMI MONITOR OUT terminal. The sound from the System is muted.</p> <ul style="list-style-type: none"> • The System emits the audio signal according to the setting of “HDMI AUDIO” in the Setup menu (see page 40). <p>AMP: The audio signal is not emitted from the HDMI MONITOR OUT terminal. The System reproduces the sound.</p>
HDMI CEC	<p>You can select the usage for the HDMI CEC function. (Refer also to page 42.)</p> <p>ON 1: Normally select this for using the HDMI CEC function.</p> <p>ON 2: Select this if you do not want to have the System automatically turned on/off by turning on/off the TV or external HDMI CEC compatible devices. All other available HDMI CEC functions operate the same as when “ON 1” is selected.</p> <p>OFF: Deactivates the HDMI CEC function.</p>
DVICOLOR	<p>You can select the settings for the picture appearance (image quality, color intensity and black fading) on the TV connected to the HDMI MONITOR OUT terminal.</p> <p>STANDARD: Normally select this.</p> <p>ENHANCE: The System automatically adjusts the picture appearance.</p>
DVDLEVEL	<p>DVD sound is sometimes recorded at a lower level than other discs and sources. You can set the increase level for the currently loaded DVD, so you do not have to adjust the volume when you change the source.</p> <ul style="list-style-type: none"> • This only functions for DVD Video and DVD-VR. <p>NORMAL: Original recording level.</p> <p>MEDIUM: Output level is increased (less than “HIGH”).</p> <p>HIGH: Output level is increased (more than “MEDIUM”).</p>

Item	Contents
LIP SYNC	You can adjust the synchronization timing of video and audio signals if the timing of the motions and the sound does not seem correctly synchronized. 20ms/40ms/60ms/80ms/100ms/120ms/140ms/160ms/180ms: As the number of the setting increases, the synchronization timing of audio signals is delayed. OFF: Deactivates this function.
SUBLEVEL	You can adjust the output level of the subwoofer. (–6 dB to +6 dB)
LS/RSLVL	You can adjust the output level of the surround channels. (–6 dB to +6 dB)
LR LEVEL	You can adjust the output level of the front channels. (–6 dB to +6 dB)

Basic operations of HDMI CEC

Consumer Electronics Control (CEC) is the controlling signals optionally employed for the High-Definition Multimedia Interface (HDMI) standard. When devices equipped with CEC are connected, each device can control the others. The System is compatible with some basic functions of HDMI CEC.



Following operations are available:

- The TV automatically turns on and changes the input to the one the System is connected in the following cases:
 - When you select “DVD/CD” or “USB” as the source on the System
 - When you start playback on the HDMI device connected to the System
- When you select the System as the source of the TV, the System automatically turns on.
- When you select “HDMI 1” or “HDMI 2” on the System, the HDMI device connected to the System automatically turns on and start playback.
- When you turn off the TV, the System automatically turns off. (This function works when “ON 1” is selected for “HDMI CEC” setting. See page 41.)
- When you select the menu screen language of the TV, the same language is automatically selected on the System after the System is turned off and turned on again. (The selectable languages are limited to those supported by the System.)
- As long as the connected TV is compatible, you can use the operations of the TV to start playback and operate other functions on the System.

Note:

- This function is available only when the source is set to “DVD/CD,” “HDMI 1,” “HDMI 2,” or “USB.”
- This function is available when “ON 1” or “ON 2” is selected for the “HDMI CEC” setting (see page 41).
- For details about the CEC function, refer to the operation manuals of the connected CEC devices.
- If the power cord is not connected to an AC outlet, the CEC function does not work, even when the System is connected to CEC devices.
- Not all HDMI devices are compatible with CEC. If the System is connected to non-CEC compatible devices, these devices cannot be controlled using the CEC function.
- The CEC function may not work with some CEC devices.
- The CEC function may not work depending on the settings or status of the System.
- When connecting the System to a TV with an HDMI cable for the first time after purchase, confirm that “JVC” (the initial screen) appears.
- When you disconnect the HDMI cable and connect it again, confirm that “JVC” appears.
- If the CEC function does not work properly, select “OFF” for the “HDMI CEC” setting, and then select “ON 1” or “ON 2” again (see page 41).

Additional Information

Learning More about This System

■ Preparations (see pages 4 to 15)

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.
- 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.

Changing the Scanning Mode:

- Do not change the scanning mode to progressive 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 an HDMI cable or a component video cord.

■ Daily Operations—Playback (see pages 17 to 21)

Listening to the FM Radio:

- If you store a new station into an occupied preset number, the previously stored station in that number will be erased.
- When you unplug the power cord or if a power failure occurs, the preset stations will be erased in a few days. If this happens, preset the stations again.

Playing Back a Disc/USB Mass Storage Class Device:

JVC bears no responsibility for any loss of data in the USB mass storage class device while using this System.

- When you change the source to "DVD/CD" or "USB," it may take a while to activate the source.
- While the System is reading a disc, the source may not change to "USB" properly. In this case, press ■, then reselect "USB" as the source.
- On some discs, the actual operations may be different from what are explained in this manual due to the programming and disc structure; such differences are not malfunctions of this System.

- The System recognizes up to 999 tracks (files) and 130 groups per disc/USB mass storage class device.
 - If any unplayable files are included in a folder, those files are also counted in the total file number.
 - Playable files which do not belong to any groups are handled as GROUP 1.
- For playback of files in the USB mass storage class device...
 - When connecting a USB mass storage class device, refer also to its manual.
 - Connect one USB mass storage class device to the System at a time. Do not use a USB hub.
 - You cannot charge any USB mass storage class device through the USB MEMORY REC/PLAY (🔌) terminal.
 - While playing back a file in a USB mass storage class device, do not disconnect the device. It may cause malfunction on both the System and the device.
 - This System is compatible with USB 2.0 Full Speed.
 - You cannot play back a file larger than 2 Gigabytes.
 - When playing a file of a large transfer rate, frames or sounds may be dropped during playback.
 - This System cannot recognize a USB mass storage class device whose rating is other than 5 V and exceeds 500 mA.
 - This System may not play back some USB mass storage class devices and does not support DRM (Digital Rights Management).
 - It will take some time to start up a digital audio player whose contents are larger than 1 Gigabyte.
 - Electrostatic shock at connecting a USB device may cause abnormal playback of the device. In this case, disconnect the USB device, unplug the power cord and plug it back in to reset the System, then connect the USB device again.
- For DVD-VR playback...
 - This System can play only a disc of UDF-Bridge format.
 - For details about DVD-VR format and Play List, refer to the manual of the recording equipment.
- For MP3/WMA playback...
 - MP3/WMA discs require a longer readout time than regular CDs. (It depends on the complexity of the group/file configuration.)
 - Some MP3/WMA files cannot be played back and will be skipped. This results from their recording processes and conditions.
 - This System can play only a disc of ISO 9660 Level 1 or Level 2.
 - This System can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower).
 - It is recommended that you make each MP3/WMA files as following conditions:
 - At a sample rate of 44.1 kHz and at a data transfer rate of 128 kbps. This System cannot play back files made at a bit rate of less than 64 kbps.

- For JPEG files playback...
 - It is recommended that you record a file at 640 x 480 resolution. (If a file has been recorded at a resolution of more than 640 x 480, it will take a long time to be shown.)
 - This System can play back JPEG files with the extension code <.jpg> or <.jpeg> (regardless of the letter case—upper/lower).
 - This System may not play back JPEG files properly if they are recorded from a device other than a digital camera.
- For MPEG-1/MPEG-2 playback...
 - This System can play back MPEG-1/MPEG-2 files with the extension code <.mpg>, <.mpeg>, or <.mod>*.
 - * <.mod> is an extension code used for the MPEG-2 files recorded by JVC Everio camcorders. The MPEG-2 files with the <.mod> extension code cannot be played back if HD format is used or its maximum bit rate is more than 2 Mbps.
 - The stream format should conform to MPEG system/program stream.
 - 720 x 576 pixels (25 fps) / 720 x 480 pixels (30 fps) is recommended for the highest resolution.
 - This System also supports the resolutions of 352 x 576 / 480 x 576 / 352 x 288 pixels (25 fps) and 352 x 480 / 480 x 480 / 352 x 240 pixels (30 fps).
 - The file format should be MP@ML (Main Profile at Main Level)/SP@ML (Simple Profile at Main Level)/MP@LL (Main Profile at Low Level).
 - Audio streams should conform to MPEG-1 Audio Layer-2 or MPEG-2 Audio Layer-2.
- For DivX playback...
 - This System can play only a disc of UDF-Bridge format. “Multi-border” is not supported.
 - The System supports all versions of DivX® video (including DivX® 6).
 - The System supports DivX files whose resolution is 720 x 480 pixels or less (30 fps), and 720 x 576 pixels or less (25 fps).

- Audio stream should conform to Dolby Digital, MPEG-1 Audio Layer-2 or MPEG Audio Layer-3 (MP3).
- This System can play back DivX files with the extension code <.divx> <.div> <.avi> (regardless of the letter case—upper/lower).
- The System does not support GMC (Global Motion Compression).
- The file encoded in the interlaced scanning mode may not be played back correctly.

■ Daily Operations—Sound & Other Adjustments (see pages 22 and 23)

Adjusting the Sound:

- When using the headphones:
 - The bass/treble adjustment affects the sound through the headphones.
 - The surround mode is deactivated.

■ Advanced Radio Operations (see pages 24 and 25)

- If you want to know more about Radio Data System, visit «<http://www.rds.org.uk>».

■ Unique Video Disc/File Operations (see pages 26 to 28)

Selecting the Audio Track:

- On some discs/files, you cannot change audio language during playback.

Special Effect Playback:

- During slow-motion playback, no sound will be emitted.

■ Advanced Disc/File Playback Operations (see pages 29 to 31)

Programming the Playing Order—Program Play:

- While programming steps...
 - Your entry will be ignored if you have tried to program an item number that does not exist (for example, selecting track 14 on a disc that only has 12 tracks).

Playing Repeatedly:

- A-B Repeat is available only within the same title/original program/track.

■ Setup Menu Operations (see pages 39 to 42)

General:

- If the upper and lower parts of the menu are cut off, adjust the picture size control of the TV.



menu—TV TYPE:

- Even if “4:3 PS” is selected, the screen size may become 4:3 letter box while playing a disc/file. This depends on how the discs are recorded.
- When you select “16:9” for a picture whose aspect ratio is 4:3, the picture changes slightly due to the process of converting the picture width.



menu:

- When the language you have selected for “MENU LANG,” “AUDIO LANG,” or “SUBTITLE LANG” is not recorded, the original language is used as the initial language.

Maintenance

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

■ 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.

Troubleshooting

■ General

Adjustments or settings are suddenly canceled before you finish.

⇒ There is a time limit. Repeat the procedure again.

Operations are disabled.

⇒ The built-in microprocessor may malfunction due to external electrical interference. Unplug the power cord and then plug it back in.

Unable to operate the System from the remote control.

⇒ The path between the remote control and the remote sensor on the System is blocked.
⇒ The batteries are exhausted.

No sound is heard.

⇒ Speaker connections are incorrect or loose.
⇒ Headphones are connected.

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

⇒ The video cord connections are incorrect or loose.
⇒ The System is connected to a TV which does not support progressive video input.
⇒ Incorrect scanning mode is selected (see pages 14 and 15).
⇒ When you unplug the power cord and plug it back again, the scanning mode may change back to the initial setting (see pages 14 and 15).

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

⇒ Select “4:3 LB” for “TV TYPE” (see page 39).

The picture is distorted.

⇒ A device, such as a VCR or an HDD/DVD recorder, is connected between the main unit and the TV. Connect the main unit directly to the TV (see page 6).

The screen size is improper.

⇒ The monitor type setting is not appropriate. Select the monitor type suitable for your TV (see page 39).
⇒ The screen size setting of the TV is improper.

The TV screen is dark.

⇒ The screen saver setting is activated. Press any button (see page 39).

■ FM Radio Operations

Hard to hear broadcasts because of noise.

⇒ Antenna connections are incorrect or loose.
⇒ The FM antenna is not properly extended and positioned.

■ Disc/USB Mass Storage Class Device Playback Operations

The disc cannot be played back.

⇒ You have inserted a disc whose Region Code does not include “2.” (“WRONG REGION” appears on the TV.)
⇒ The disc is placed upside down. Place the disc with the label side facing front or facing up.

ID3 Tag on an MP3 file cannot be shown.

⇒ There are two types of ID3 Tag—Version 1 and Version 2. This System can only show ID3 Tag Version 1.

Groups and tracks are not played back as you expect.

⇒ The playing order is determined when the groups and tracks were recorded. It depends on the writing application.

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

⇒ The disc or the USB mass storage class device may contain different types of files (ex. MP3/WMA/JPEG). In this case, you can only play back the files selected on the control screen (see page 19).
⇒ You have changed the file type setting after the System read the disc or the USB mass storage class device. In this case, reload the disc or disconnect the USB mass storage class device and connect it again.

Continued on the next page

The disc sound is discontinuous.

⇒ The disc is scratched or dirty.

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

⇒ Some DVDs are programmed to always use the original language initially. If this happens, press AUDIO after starting playback (see page 26).

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

⇒ Some DVDs are programmed not to display any subtitle initially. If this happens, press SUBTITLE after starting play back (see page 27).

The disc player panel does not open or close.

⇒ The power cord is not plugged in.

⇒ Child Lock is in use. "LOCKED" appears on the display (see page 31).

■ Recording Operations

Unable to record into the USB device.

⇒ The capacity of the USB device is full.

⇒ You have recorded 99 tracks or 100 groups on the USB mass storage class device.

⇒ The USB device is write-protected.

⇒ The USB device you connected is incompatible to this System.

■ HDMI Operations

No picture/sound is produced via the HDMI MONITOR OUT terminal.

⇒ A disc/file recorded in a format incompatible with the System/TV is played back. Confirm the playable disc/file types (see page 3).

⇒ The connected TV is not compatible with HDCP. Connect a TV compatible with HDCP.

⇒ The System fails to recognize the TV connected to the HDMI MONITOR OUT terminal. Disconnect the HDMI cable and connect it again.

⇒ An HDMI cable longer than 2 m is used. Use an HDMI cable of 2 m or shorter to assure stable operation and picture quality.

The picture is distorted when the TV is connected to the HDMI MONITOR OUT terminal.

⇒ The proportion of the picture is not appropriate.

Connect the TV to the VIDEO OUT jacks and set the scanning mode setting properly (see pages 14 and 15).

The HDMI CEC function does not work.

⇒ The connected TV is not compatible with the HDMI CEC function. Refer to the operation manual of the TV.

⇒ "OFF" is selected for the "HDMI CEC" setting. Select "ON 1" or "ON 2" for the "HDMI CEC" setting (see page 41).

When you disconnect the HDMI cable and connect it again, the HDMI CEC function does not work properly.

⇒ The previous connection setting is stored on the System. Select "OFF" for the "HDMI CEC" setting, and then select "ON 1" or "ON 2" again (see page 41).

Display Messages for Recording Operations

NO USB

- No USB device is connected or the connected USB device is not compatible with this System.

FILEFULL

- The USB memory has exceeded the maximum number of files it can support.
- The USB device is write-protected.

SCMS VLT (violation)

- You have tried to copy from a duplicated disc to the USB device.

USBERROR

- A reading or a writing error occurred during playback or recording.

Specifications

Main unit—CA-NXT10

■ Input/output

HDMI input:	HDMI IN 1, HDMI IN 2
HDMI output:	HDMI MONITOR OUT
USB terminal:	USB MEMORY REC/PLAY
Analog audio input:	AUDIO IN 500 mV/50 k Ω
Digital audio input:	DIGITAL IN (OPTICAL) -21 dBm to -15 dBm (660 nm \pm 30 nm)
Analog video output:	VIDEO OUT: Color system: PAL - VIDEO: Composite video, 1 V(p-p)/75 Ω - COMPONENT: Component video (interlaced/ progressive) (Y): 1 V(p-p)/75 Ω (PB/PR): 0.7 V(p-p)/75 Ω

■ Tuner

FM tuning range: 87.50 MHz – 108.00 MHz

■ Disc player

Playable disc:	<ul style="list-style-type: none"> • DVD Video/CD/VCD/SVCD • CD-R/CD-RW (CD/SVCD/VCD/MP3/WMA/JPEG/MPEG-1/MPEG-2/DivX format) • DVD-R/-RW (DVD Video/DVD-VR/MP3/WMA/JPEG/MPEG-1/MPEG-2/DivX format) • +R/+RW (DVD Video/MP3/WMA/JPEG/MPEG-1/MPEG-2/DivX format)
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Dynamic range:	80 dB
Horizontal resolution:	500 lines
Wow and flutter:	Immeasurable

■ USB

Playable files:	MP3/WMA/JPEG/MPEG-1/MPEG-2/DivX format
CD recording format:	MP3
USB specification:	Compatible with USB 2.0 Full Speed
Compatible device:	Mass storage class
Compatible system:	FAT16, FAT32
Bus power supply:	DC 5 V \approx 500 mA

■ HDMI

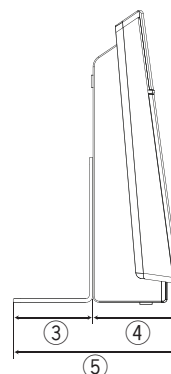
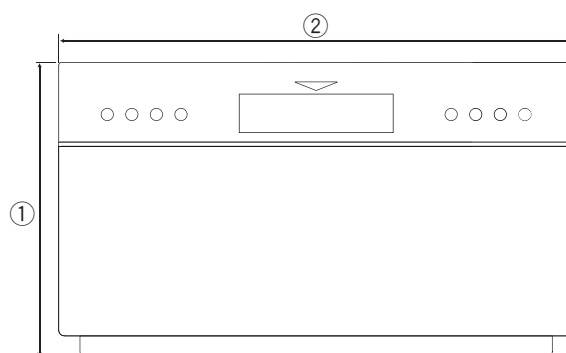
Video resolution:	576p, 720p, 1080i, 1080p
Output power:	DC 5 V \approx 55 mA
(HDMI MONITOR OUT)	

■ General

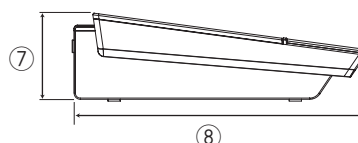
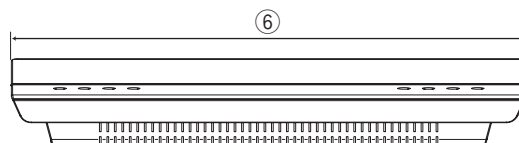
Mass (approx.): 2.3 kg (without the stand)

Dimensions (approx.):

- Placed vertically
 - ①: 240 mm ②: 420 mm ③: 64 mm ④: 70 mm
 - ⑤: 134 mm



- Placed horizontally
 - ⑥: 420 mm ⑦: 70 mm ⑧: 240 mm



Subwoofer—SP-NXT10W

Output power	
Front:	160 W (80 W + 80 W) at 4 Ω (10% THD)
Surround:	160 W (80 W + 80 W) at 4 Ω (10% THD)
Subwoofer:	200 W at 6 Ω (10% THD)
Speaker:	Bass reflex type 16 cm cone x 1
Power handling capacity:	200 W
Frequency range:	42 Hz – 150 Hz
Sound pressure level:	75 dB/W • m
Power requirements:	AC 230 V ~, 50 Hz
Power consumption:	80 W (at operation of the System) 0.85 W (at standby)
Mass (approx.):	10 kg
Dimensions (approx.):	231 mm × 393 mm × 370.5 mm (W/H/D)

Supplied Accessories

See page 1.

Design and specifications are subject to change without notice.

Speakers—SP-NXT10F

Speaker:	1 way bass reflex type (magnetically shielded) Front: 8 cm cone x 1 Surround: 5.5 cm cone x 1
Impedance:	4 Ω
Power handling capacity:	Front: 80 W Surround: 80 W
Frequency range:	Front: 80 Hz – 20 kHz Surround: 125 Hz – 20 kHz
Sound pressure level:	Front: 80 dB/W • m Surround: 71 dB/W • m
Mass (approx.):	1.3 kg each
Dimensions (approx.):	100 mm × 240 mm × 128 mm (W/H/D)

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Parts Index

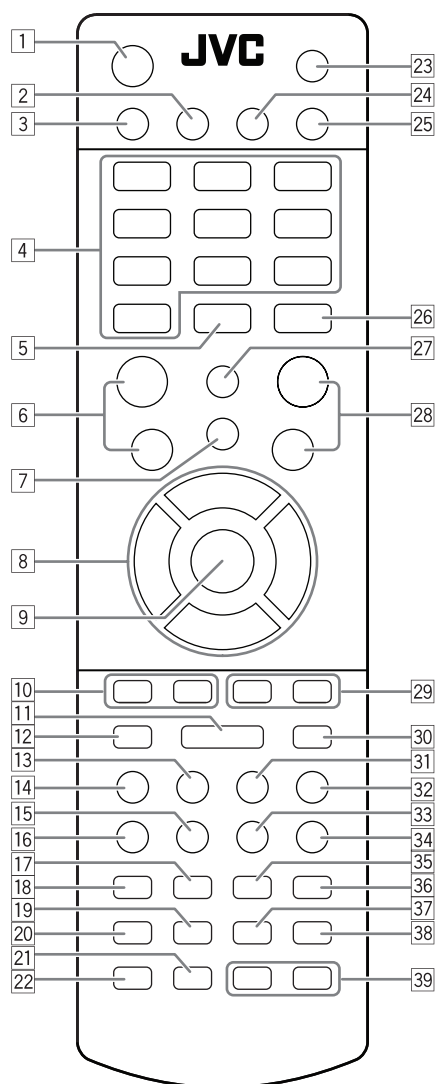
Remote control

Name		Page
⏻/I	[1]	17
▶	[11]	17, 19, 29, 30, 38
⏮	[30]	19, 28 – 30, 38
■	[12]	19, 29, 30, 33
◀, ▶▶	[29]	20
◀◀, ▶▶	[10]	20, 21, 29, 30
▲, ▼, ◀, ▶	[8]	19 – 21, 23, 29, 35, 36, 38, 39, 41
ENTER	[9]	18, 20, 29, 35, 38, 39, 41
↺ (One Touch Replay)	[32]	28
▲	[23]	17, 19
ANGLE	[19]	27
AUDIO	[31]	26
BASS/TREBLE	[38]	23
CANCEL	[13]	41
DISPLAY	[22]	23, 24, 34
DVD/CD	[3]	17, 33
DIMMER	[7]	23
FM	[25]	17
FM MODE	[20]	18
HDMI 1/2	[2]	17, 21
INPUT	[24]	17, 21
MENU/PL	[26]	20, 21, 36
MUTING	[27]	22
Number buttons	[4]	18, 20, 21, 35, 39
PLAY MODE	[33]	29, 30
PRESET +, -	[6]	18
PTY SELECT Ⓢ, Ⓜ	[39]	25
PTY SEARCH	[21]	25
REC	[14]	33
REPEAT	[18]	30
REPEAT A-B	[17]	31
SCAN MODE	[15]	14, 15
SET UP	[34]	39, 41
SLEEP	[36]	23
SLOW Ⓢ, Ⓜ	[29]	28
SUBTITLE	[37]	27
SURROUND	[16]	22
TIME SEARCH	[35]	34, 35
TOP MENU/PG	[5]	20, 36
TUNING Ⓢ, Ⓜ	[8]	18
VOLUME ▲, ▼	[28]	17

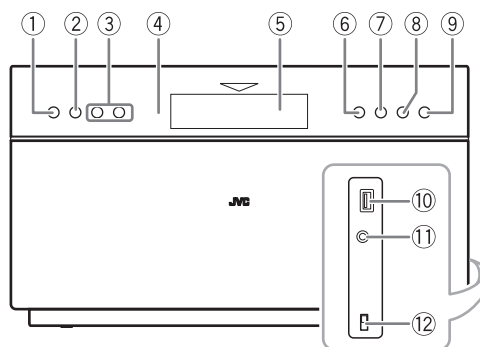
Main unit

Name		Page
⏻/I	[1]	17
▶	[7]	17, 19
⏮	[8]	19, 28, 38
■	[6]	19, 31
▲	[9]	17, 19, 31
Display	[5]	16
DISPLAY MODE switch	[12]	4
PHONES jack	[11]	10, 18
Remote sensor	[4]	14
SOURCE	[2]	17, 21
USB MEMORY REC/PLAY terminal	[10]	10
VOLUME +, -	[3]	17

Remote control



Main unit



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!

JVC