# JVC

## DVD VIDEO PLAYER

# XV-M565BK/XV-M567GD

**DVD PLAYER**

JVC
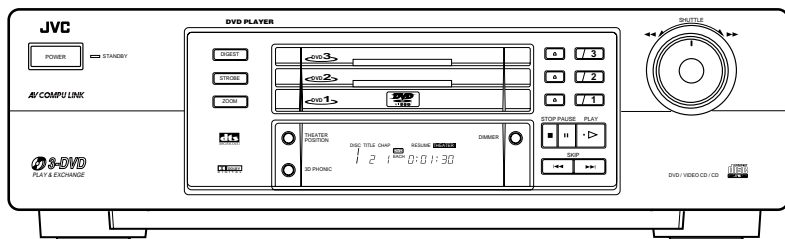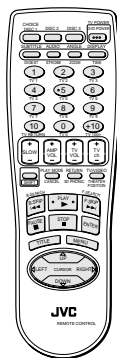
# INSTRUCTIONS

**For Customer Use:**

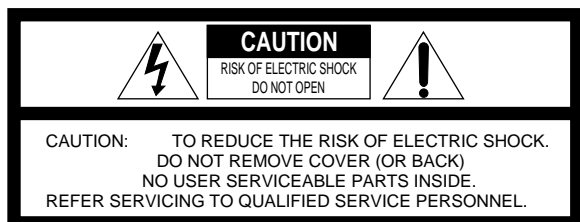Enter below the Model No. and Serial No. which are located on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

LVT0521-001A
[J]

## Warnings, Cautions and Others
## Mises en garde, précautions et indications diverses

# Table of contents

# Introduction

## Features

### Picture functions

■ **Strobe function**
The unit can display nine continuous still pictures on the TV screen.

■ **Digest function**
You can select the desired title from the opening scenes displayed on the TV screen.

■ **Angle function***
You can select a desired angle from multiple camera angles recorded on the DVD VIDEO disc.

■ **Zoom function**
You can view scenes close-up.

■ **Parental lock***
You can restrict the playback of DVD VIDEO discs with scenes which you do not want children to see, such as adult or violent films.

■ **Theater position**
You can select the picture character according to the lighting of your room.

### Audio functions

■ **High quality digital sound**
You can enjoy high quality sound with Dolby Digital or Linear-PCM.

■ **Surround function***
The unit accommodates the Dolby Digital surround, DTS surround system. (The DTS surround signal is output only from the DIGITAL OUT jacks.)

■ **3D Phonic function**
You can enjoy surround sound with your 2-channel system.

### Other functions

■ **Triple disc trays**
You can insert up to three discs in the unit and can playback them continuously.

■ **Multi-language subtitles and sound***
You can select a subtitle or sound language from those recorded on the DVD VIDEO disc.

■ **Multi-disc playback**
You can enjoy Audio CD discs and Video CD discs, as well as DVD VIDEO discs.

■ **Operation from the on-screen display**
User-friendly on-screen displays allow you to operate the unit easily.

Functions with (*) mark only work on a DVD VIDEO disc that is compatible with each function.

## Supplied accessories

• Audio/video cable (x 1)
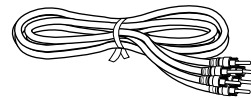


• S-video cable (x 1)



• AV compulink cord (x 1)
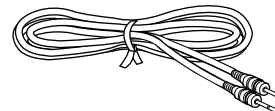


• Remote Control Unit (x 1)
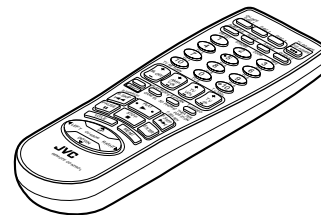


• R6P(SUM-3)/AA(15F) batteries (x 2)



• Instruction manual (x 1)
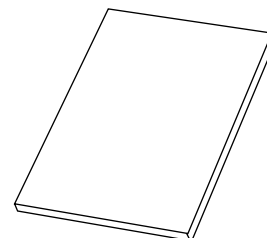


• AC power cord (x 1)
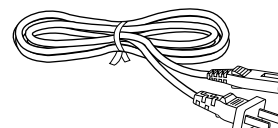
# About this instruction manual

This instruction manual basically explains operations as follows:

## To playback in random order [RANDOM]

**DVD VIDEO** **Audio CD** **Video CD**

You can play titles or tracks on discs inserted in random order by using the Random function.

**1**

**3**

**2**

**JVC**
REMOTE CONTROL
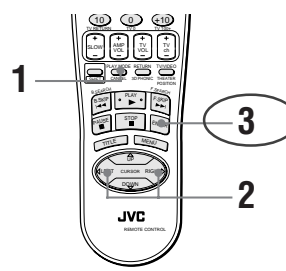
These symbols indicate the types of discs which the operation can be used for.

The number indicates the following procedural step(s) in which the button(s) is(are) used.
You may also use the corresponding buttons on the front panel of the unit if available.

■ While stopped

**1** Press PLAY MODE - CANCEL.

The play mode menu appears on the TV screen.

The number indicates the procedural step.

**2** Use CURSOR ◄/► to move ⬈ to [RANDOM].

| REPEAT | PROGRAM | RANDOM |
|--------|---------|--------|

The "RANDOM" indicator appears in the display window on the front panel.

**Advanced operations**

**3** Press ENTER.

The unit starts random playback of the selected disc.

When all titles/tracks of the disc have been played once, the unit starts random playback of the next disc (if inserted). After playing all titles/tracks of the second disc, the unit starts random playback of the third disc (if inserted). After playing all titles/tracks of all the discs, random playback ends.

The names of buttons on the remote control unit (or on the front panel of the unit) are all given in uppercase letters.

Other convenient procedures, etc.

**Hints**

The same title or track will not be played back more than once during random play.

• **To stop/quit random playback in the middle**
Press STOP to stop playback. The unit is still in random playback mode, so pressing PLAY starts random playback again.
To quit random playback, press STOP again while stopped. The "RANDOM" indicator in the display window turns off.

Additional supplemental remarks

**NOTE**

Some DVD VIDEO discs may not be played back correctly in the random mode.

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# Notes on handling

## Important cautions

### Installation of the unit
- Select a place which is level, dry and neither too hot nor too cold (between 5˚C and 35˚C, 41˚F and 95˚F).
- Leave sufficient distance between the unit and the TV.
- Do not use the player in a place subject to vibrations.

### Power cord
- Do not handle the power cord with wet hands!
- A small amount of power (3.0 watts) is always consumed while the power cord is connected to the wall outlet.
- When unplugging the player from the wall outlet, always pull the plug, not the power cord.

### To prevent malfunction of the unit
- There are no user-serviceable parts inside.  If anything goes wrong, unplug the power cord and consult your dealer.
- Do not insert any metallic object into the unit.
- Do not use any non-standard shape disc available on the market, because it may damage the unit.
- Do not use a disc with tape, seals, or paste on it, because damage to the unit may result.

### Note about copyright laws
- Please check the copyright laws in your country before recording from DVD VIDEO, Audio CD, and Video CD discs.  Recording of copyrighted material may infringe copyright laws.

### Note about the copyguard system
- The DVD VIDEO disc is protected by the copyguard system.  When you connect the unit to your VCR directly, the copyguard system activates and the picture may not be played back correctly.

## Safety precautions

### Avoid moisture, water and dust
Do not place the unit in moist or dusty places.

### Avoid high temperatures
Do not expose the unit to direct sunlight or place it near a heating device.

### When you're away
When away on travel or otherwise for an extended period of time, remove the plug from the wall outlet.

### Do not insert foreign objects into the unit
Do not insert wires, hairpins, coins, etc. into the unit.

### Do not block the vents
Blocking the vents may damage the unit.

### Care of the cabinet
When cleaning the unit, use a soft cloth and follow the relevant instructions on the use of chemically-coated cloths.  Do not use benzene, thinner or other organic solvents and disinfectants.  These may cause deformation or discoloring.

### If water gets inside the unit
Turn off the power switch and remove the plug from the wall outlet, then call the store where you made your purchase.  Using the unit in this state may cause a fire or electrical shock.

# Preliminary knowledge

## Names of parts and controls

Refer to the corresponding pages indicated in () for details.

### Front panel

① **POWER button**
② **STANDBY indicator**
③ **DIGEST button**
④ **STROBE button**
⑤ **ZOOM button**

⑥ **DVD 1 to DVD 3 trays**
⑦ **⏏ (OPEN/CLOSE) buttons**
⑧ **1 through 3 (DISC) buttons with indicators**
⑨ **SHUTTLE knob**

⑭ **DIMMER button**
⑮ **Display window**
⑯ **3D PHONIC button**
⑰ **THEATER POSITION button**

⑩ **▷ (PLAY) button**
⑪ **I◄◄/►►I (SKIP) buttons**
⑫ **II (PAUSE) button**
⑬ **■ (STOP) button**

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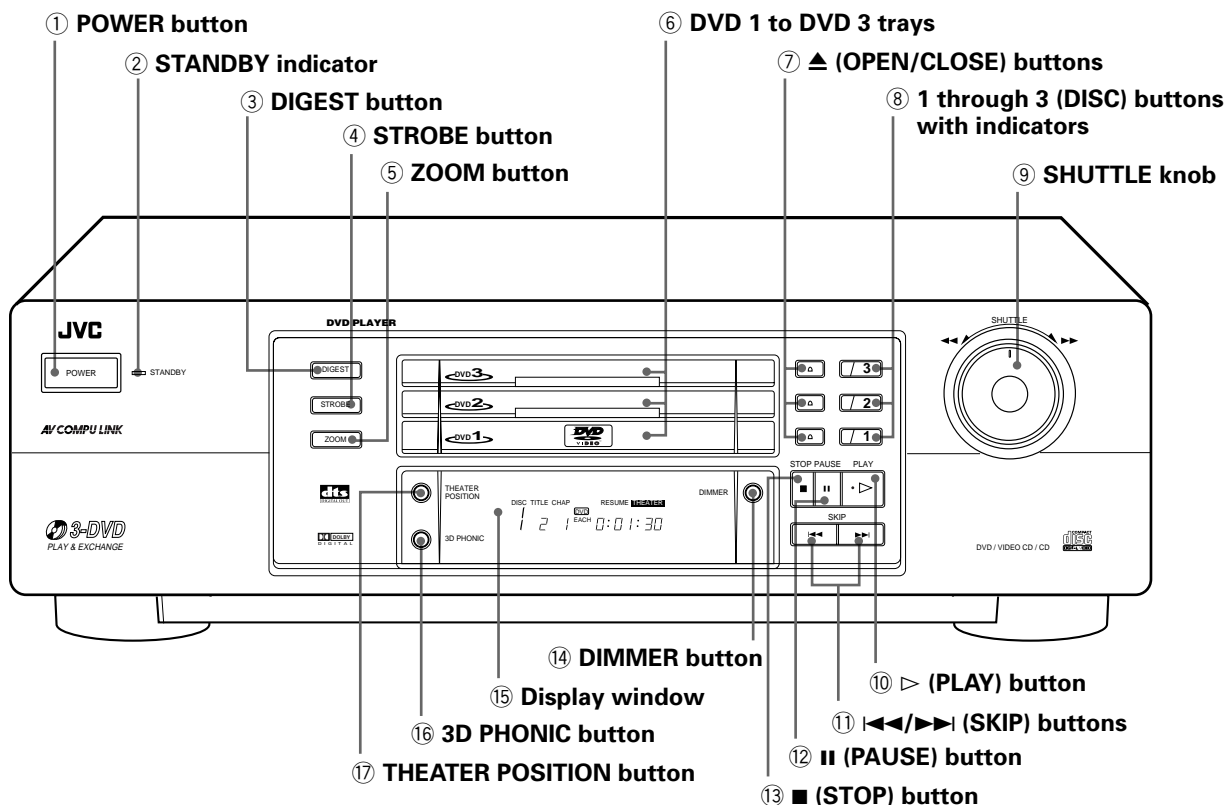
① **POWER button (17)**
Turns the unit on or off (standby).

② **STANDBY indicator**
Lights when the power cord is connected and the unit is on standby. When the unit is turned on, the STANDBY indicator goes off.

③ **DIGEST button (for DVD VIDEO/Video CD) (24)**
Displays beginning scenes of each title, chapter, or track on the TV screen.

④ **STROBE button (for DVD VIDEO/Video CD) (25)**
Displays nine continuous still pictures.

⑤ **ZOOM button (for DVD VIDEO/Video CD) (27)**
Zoom-in for a close-up view of the scene.

⑥ **DVD 1 to DVD 3 trays (17)**
Used to load discs. To insert/remove a disc, press the ⏏ (OPEN/CLOSE) button.

⑦ **⏏ (OPEN/CLOSE) buttons (17)**
Used to open and close the corresponding disc trays (1 to 3).

⑧ **1 through 3 (DISC) buttons with indicators (18)**
Used to start playback of the disc in the corresponding tray with the number indicated on the button (function the same as the DISC 1 through 3 buttons on the remote control unit). While playing, the corresponding indicator blinks.
In this manual, we sometimes call them "DISC" buttons.

⑨ **SHUTTLE knob (19, 26)**
Performs rapid advance/reverse playback operations. Also used for slow-motion playback of a picture (for DVD VIDEO/Video CD).

⑩ **▷ (PLAY) button (18)**
Starts playback. Also, used as a SELECT button for PBC of Video CDs.

⑪ **I◄◄/►►I (SKIP) buttons (19)**
Used to skip a chapter, title or track.
Also, used for the page selection of a menu screen (for Video CD).
Holding down I◄◄ or ►►I during playback reverses or advances playback rapidly.

⑫ **II (PAUSE) button (18)**
Pauses playback.

⑬ **■ (STOP) button (18)**
Stops blayback.

⑭ **DIMMER button**
Dims the display window.

⑮ **Display window**
Indicates the current status of the unit.

⑯ **3D PHONIC button (33)**
Produces a simulated surround effect.

⑰ **THEATER POSITION button (33)**
Selects a picture character from 4 options (for DVD VIDEO/Video CD).

## Remote control unit

⑬ **Infrared signal-emitting window**

① **DISC 1 - CHOICE, DISC 2 and DISC 3 buttons**

② **SUBTITLE - DIGEST button**

③ **AUDIO - STROBE button**

④ **Numeric buttons**

⑤ **SLOW button**

⑥ **AMP VOL button**

⑦ **SHIFT button**

⑧ **PLAY MODE - CANCEL button**

⑨ **|◄◄ (B.SKIP) - B. SEARCH button**

⑩ **II (PAUSE) button**

⑪ **TITLE button**

⑫ **CURSOR (▲ UP, ▼ DOWN, ◄ LEFT, ► RIGHT) button**

⑭ **DVD POWER - TV POWER button**

⑮ **DISPLAY - TIME button**

⑯ **ANGLE - ZOOM button**

⑰ **TV ch button**

⑱ **TV VOL button**

⑲ **TV/VIDEO - THEATER POSITION button**

⑳ **RETURN - 3D PHONIC button**

㉑ **►►| (F.SKIP) - F. SEARCH button**

㉒ **► (PLAY) button**

㉓ **ENTER button**

㉔ **■ (STOP) button**

㉕ **MENU button**

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① **DISC 1 - CHOICE, DISC 2 and DISC 3 buttons (18)**

Used to start playback of a disc in the corresponding tray (DVD1 through DVD3), as same as the 1 through 3 buttons on the front panel.

In addition, pressing the DISC 1 button while holding the SHIFT button brings up the Preference on-screen display on the TV screen.

② **SUBTITLE - DIGEST button (24, 32)**

Used to display the subtitle selection display on the TV screen, as well as used to turn the subtitle on or off (for DVD VIDEO).

Pressing this button while holding down the SHIFT button displays beginning scenes of each title, chapter or track on the TV screen (for DVD VIDEO/Video CD).

③ **AUDIO - STROBE button (25, 32)**

Selects the audio (for DVD VIDEO/Video CD). Pressing this button while holding down the SHIFT button displays nine continuous still pictures (for DVD VIDEO/Video CD).

④ **Numeric buttons (10, 16)**

Used to select a title or track number, as well as used to enter a time for the Time search and a chapter number for the Chapter search.

Also used to select a TV channel in conjunction with the SHIFT button.

⑤ **SLOW button (26)**

Used for slow-motion playback of a picture (for DVD VIDEO/Video CD).

⑥ **AMP VOL button (16)**

Used to control the volume of a JVC audio amplifier/receiver.

⑦ **SHIFT button**

Used together with other buttons for activating their secondary functions.

⑧ **PLAY MODE - CANCEL button (27~30)**

Displays an on-screen display for controlling the advanced playback functions. Pressing this button while holding down the SHIFT button cancels the last selection of the program.

⑨ **|◄◄ (B.SKIP) - B. SEARCH button (19, 22)**

Skips back a chapter, title or track. Also used for the page selection of a menu screen (for DVD VIDEO/Video CD). Holding down this button during playback reverses playback rapidly.

Pressing the button while holding down the SHIFT button during playback also reverses playback rapidly. If you press the button while holding down the SHIFT button during rapid reverse playback, the speed increases.

⑩ **❚❚ (PAUSE) button (18)**

Pauses playback.

⑪ **TITLE button (21)**

Displays the title menu of a DVD VIDEO disc on the TV screen.

⑫ **CURSOR (▲ UP, ▼ DOWN, ◄ LEFT, ► RIGHT) buttons**

Used to select an item form a menu or on-screen display, or to change the setting of an item in the on-screen display.

⑬ **Infrared signal-emitting window**

Point this window toward the remote sensor on the front panel when pressing buttons.

⑭ **DVD POWER - TV POWER button (16, 17)**

Turns the unit on or off (standby). Pressing this button while holding down the SHIFT button turns the TV on or off.

⑮ **DISPLAY - TIME button (34, 35)**

Displays the status information (only for DVD disc) or the time information (for any disc types). When the time information appears, pressing this button while holding the SHIFT button changes the time mode.

⑯ **ANGLE - ZOOM button (27, 31)**

Changes camera angles during playback of a DVD VIDEO disc containing multiple camera angles. Pressing this button while holding down the SHIFT button zooms in the picture (for DVD VIDEO/Video CD).

⑰ **TV ch button (16)**

Changes the TV channels.

⑱ **TV VOL button (16)**

Adjusts the TV volume.

⑲ **TV/VIDEO - THEATER POSITION button (16, 33)**

Switches the TV input mode.

By pressing the button while holding down the SHIFT button, you can select the Theater position mode for matching the picture character to your taste.

⑳ **RETURN - 3D PHONIC button (21, 33)**

Returns to the previous menu (for DVD VIDEO/VIdeo CD). By pressing the button while holding down the SHIFT button, you can select the 3D Phonic mode for simulating the surround effect.

㉑ **►►| (F.SKIP) - F. SEARCH button (19, 22)**

Skips forward a chapter, title or track. Also used for the page selection of a menu screen (for DVD VIDEO/Video CD). Holding down this button during playback advances playback rapidly.

Pressing the button while holding down the SHIFT button during playback also advances playback rapidly. If you press the button while holding down the SHIFT button during rapid advance playback, the speed increases.

㉒ **► (PLAY) button (18)**

Starts playback. Also used as a SELECT button for PBC of Video CDs.

㉓ **ENTER button**

Executes the selected item in a menu or on-screen display.

㉔ **■ (STOP) button (18)**

Stops playback.

Also used to erase all the programmed tracks for the program play.

㉕ **MENU button (21)**

Displays a DVD menu on the TV screen.

## Display window

④ **Disc indicator**

⑤ **Function indicator**

3D-PHONIC  PROGRAM  RANDOM  REPEAT 1A-B
 RESUME  THEATER

DISC  TITLE  CHAP.
 TRACK

DVD VCD

EACH
REMAIN

② **Title/chapter/**
 **track indicator**

③ **Time display**

① **Disc number indicator**
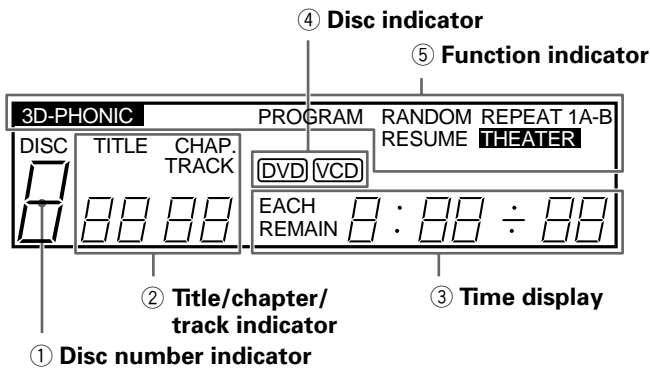
① **Disc number indicator**
Shows the disc number being selected.

② **Title/chapter/track indicator**
Displays title/chapter, or track number.

③ **Time display**
Shows the cumulative or remaining time of the track or disc, or the total disc time.

④ **Disc indicator**
Indicates the type of the disc set in the selected tray. When a DVD VIDEO or Video CD disc is set, "DVD" or "VCD" is indicated. When an Audio CD is set, there is no indication.

⑤ **Function indicator**
Active functions light up.

## Rear panel

① **VIDEO OUT jack**

② **S-VIDEO OUT jack**

③ **COMPONENT VIDEO OUT jacks (Y/P$_B$/P$_R$)**



⑥ **DIGITAL OUT jacks (COAXIAL/OPTICAL)**

⑦ ∼ **AC IN connector**

⑤ **AUDIO OUT jacks (LEFT/RIGHT)**

④ **AV COMPU LINK jacks**
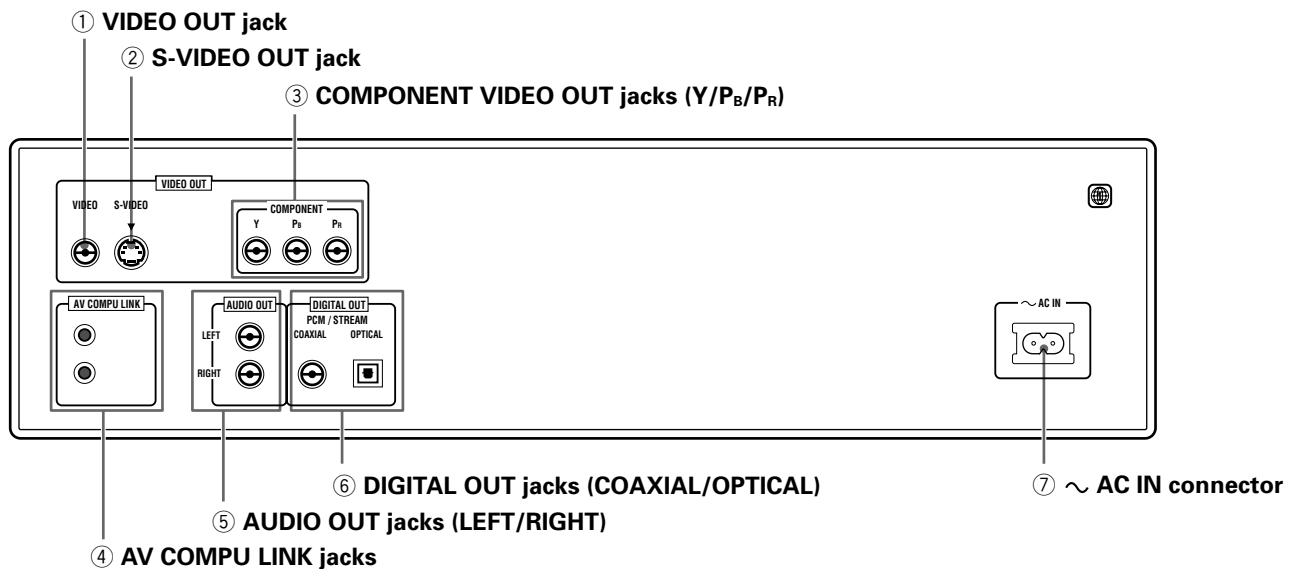
① **VIDEO OUT jack (12)**
Outputs a composite video signal.

② **S-VIDEO OUT jack (12)**
Outputs an S-video signal.

③ **COMPONENT VIDEO OUT jacks (Y/P$_B$/P$_R$) (13)**
Output component video signals.

④ **AV COMPU LINK jacks (42)**
Connects with other JVC equipment supporting the AV Compulink function to facilitate integrated operations.

⑤ **AUDIO OUT jacks (LEFT/RIGHT) (12)**
Outputs stereo analog audio signals.

⑥ **DIGITAL OUT jacks (COAXIAL/OPTICAL) (14)**
Output digital audio signals. Both coaxial and optical connectors are provided.
You must select the signal type correctly according to the external device connected to via the preference display.

⑦ ∼ **AC IN connector (14)**
Connects to the wall outlet using the suppplied AC power cord.

# Operational Principles

## On-screen displays

The unit provides several on-screen displays.
With some displays, you can set or select preferences
or functions, while the others are display-only.

### Opening displays

The Opening display appears automatically in some
conditions.
At the bottom, the following information are indicated
depending on the unit's status.

- NOW READING: The unit is now reading the disc
  information (TOC).
- REGION CODE ERROR!: The DVD VIDEO disc loaded
  cannot be played because the region code of the
  disc does not match the unit.
- CHANGE → DISC 1: The unit is now changing the
  disc tray to DISC 1.
- OPEN: The disc tray is now opening.
- CLOSE: The disc tray is now closing.

Opening display

**JVC**
**DVD/Video CD/CD PLAYER**

**NOW READING**

### Preference displays

When the unit is stopped, pressing the DISC 1 - CHOICE
button while holding the SHIFT button accesses the
preference display for setting the preferences.
There are four pages: LANGUAGE, AUDIO, DISPLAY
and SYSTEM as shown in the right.
See page 36 for detailed information.

LANGUAGE

| LANGUAGE | AUDIO | DISPLAY | SYSTEM |

| MENU LANGUAGE | ◁ ENGLISH ▷ |
| AUDIO LANGUAGE | ◁ ENGLISH ▷ |
| SUBTITLE | ◁ ENGLISH ▷ |
| ON SCREEN LANGUAGE | ◁ ENGLISH ▷ |

EXIT

PRESS ◀▶ KEY

AUDIO

| LANGUAGE | AUDIO | DISPLAY | SYSTEM |

| DIGITAL AUDIO OUTPUT | ◁ DOLBY DIGITAL /PCM ▷ |
| DOWN MIX | ◁ Lo / Ro ▷ |
| COMPRESSION | ◁ ON ▷ |

EXIT

PRESS ◀▶ KEY

DISPLAY

| LANGUAGE | AUDIO | DISPLAY | SYSTEM |

| MONITOR TYPE | ◁ B ▷ |
| SCREEN SAVER | ◁ MODE 2 ▷ |
| ON SCREEN GUIDE | ◁ ON ▷ |

EXIT

PRESS ◀▶ KEY

SYSTEM

| LANGUAGE | AUDIO | DISPLAY | SYSTEM |

| AUTO STANDBY | ◁ OFF ▷ |
| RESUME | ◁ OFF ▷ |
| AV COMPULINK MODE | ◁ DVD 1 ▷ |

EXIT

PRESS ◀▶ KEY

### PARENTAL LOCK displays

When no disc is inserted or a DVD VIDEO disc is
stopped, pressing the ENTER button while holding
down the SHIFT button accesses the PARENTAL LOCK
display in which you can set the level for limiting
playback.
See page 40 for detailed information.

PARENTAL LOCK

| 🔒 | PARENTAL LOCK |

| Country Code | ◁ US ▷ |
| Set Level | ◁ — ▷ |
| PASS WORD | ---- |

EXIT

PRESS ◀▶ KEY → ENTER

**8**
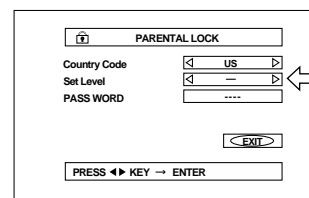
## Play mode displays

Pressing the PLAY MODE button accesses the play mode display in which you can control playback functions.
Different displays appear depending on the disc type and the unit's status.

While stopped
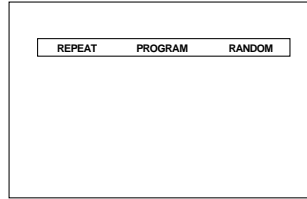
REPEAT     PROGRAM     RANDOM

During DVD VIDEO playback

DVD CONTROL
REPEAT  A-B REPEAT  TIME SEARCH  CHAP. SEARCH

During Audio CD playback

CD CONTROL
REPEAT  A-B REPEAT  TIME SEARCH

During Video CD playback

VCD CONTROL
REPEAT  A-B REPEAT  TIME SEARCH  PBC CALL
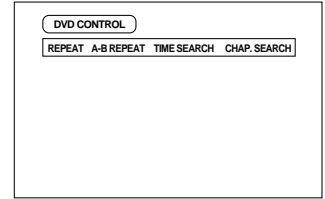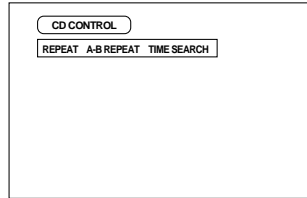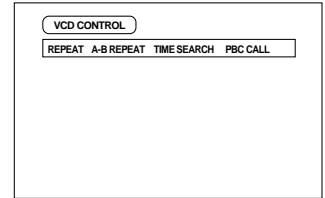
## Status displays

Pressing the DISPLAY-TIME button during playback accesses the status display.
For a DVD VIDEO disc, pressing the DISPLAY-TIME button toggles between the DVD VIDEO function status display, and the disc/time display and off.
For a Video CD or Audio CD disc, pressing the DISPLAY-TIME button switches the disc/time display on and off.

DVD VIDEO function status

🎥 1/2   ◯◯ 1/2   ⋯ 1/2
ENGLISH    ENGLISH

Disc/time (DVD VIDEO )

DISC 3 TITLE 1 CHAP. 25 TIME 2:25:25  BITRATE 3.3 Mbps
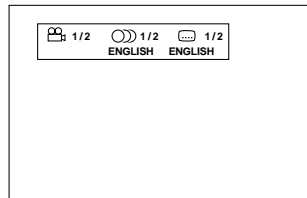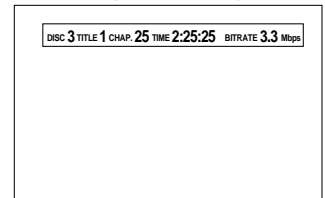
Disc/time (Audio CD/Video CD without PBC)

DISC 3 TRACK 1 TIME 00:08  EACH REMAIN
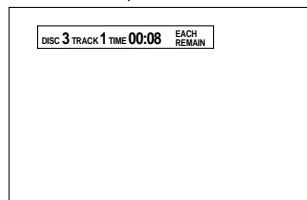
Disc/time (Video CD with PBC)

DISC 3 TRACK 1 TIME 25:25   PBC

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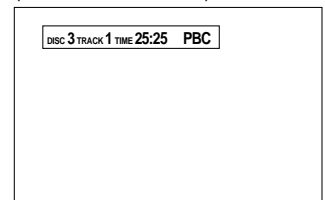
## To prevent the monitor from burning out [SCREEN SAVER]

A television monitor screen may be burned out if a static picture is displayed for a long time.  To prevent this, the unit automatically activates the screen saver function if a static picture, such as an on-screen display or menu, is displayed for over 5 minutes.

- Pressing any button on the unit or the remote control unit will release the screen saver function and return to the previous display.
- You can select one of several screen saver modes available (see page 38).
- The screen saver function is not activated during Audio CD playback or after stopping Audio CD playback.



**JVC** DVD/Video CD/CD PLAYER *DVD*
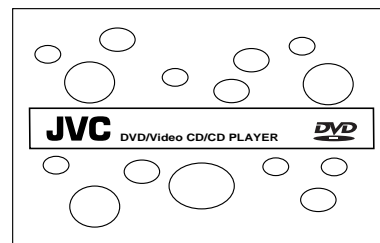
## On-screen guide icons

During DVD VIDEO playback, you may see icons displayed over the picture. These have the following meanings.

: Displayed at the beginning of a scene recorded from multiple angles. (See page 31.)

: Displayed at the beginning of a scene recorded with multiple audio languages. (See page 32.)

: Displayed at the beginning of a scene recorded with multiple subtitle languages. (See page 32.)

You can set the unit not to display on-screen icons above via the preference settings described on page 39.

### About invalid operation icon

When you press a button, if the unit does not accept its operation, ◯ appears on your television screen. Operations are occasionally unacceptable even if ◯ is not displayed.

Note that some operations may not be accepted. For example, some discs may not allow rapid advance/reverse or slow-motion playback.

## How to use numeric buttons
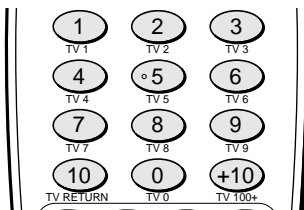
### To select a track/title number

•  **To select a number between 1 and 10**

   Press the corresponding button for the number.

•  **To select a number higher than 10**

   Use the +10 button.

   Examples:
   To select 13        +10 → 3
   To select 34        +10 → +10 → +10 → 4
   To select 40        +10 → +10 → +10 → 10

### To enter a time or chapter number

The method for entering a time for Time search or chapter number for Chapter search is different from above. See the corresponding sections in this manual for the details.

### To select a TV channel.

You can use the buttons for selecting TV channels while holding down the SHIFT button. See page 16 for details.

# About discs

## Playable disc types

Playable and non-playable disc types are as follows:

### Playable discs

| DVD VIDEO | Video CD | Audio CD |
|---|---|---|
| DVD VIDEO | Video CD / COMPACT disc DIGITAL VIDEO | COMPACT disc DIGITAL AUDIO |

The DVD VIDEO Logo is a trademark.

- DVD VIDEO players and DVD VIDEO discs have their own Region Code numbers. This unit only can play back DVD VIDEO discs whose Region Code numbers include "1".
  Examples of playable DVD VIDEO discs:

  ALL   1   1 2   1 2 3 4

- This unit accommodates the NTSC television system and can playback discs recorded with the NTSC system. Note that the unit cannot playback discs recorded with the PAL system.

### Non-playable discs

DVD-ROM, DVD-RAM, DVD AUDIO, DVD-R, DVD-RW, CD-ROM, PHOTO CD, CD-EXTRA, CD-G, CD-TEXT, CD-R, CD-RW

- Playing back discs listed as "Non-playable discs" above may generate noise and damage speakers.
- This unit can play back audio recorded in CD-G, CD-EXTRA and CD-TEXT discs.

## Disc structure

A DVD VIDEO disc is comprised of "titles," while an Audio CD, Video CD is comprised of "tracks." Each title may be divided into some "chapters." For example, if a DVD VIDEO disc contains some movies, each movie may have its own title number, and each movie may be divided into some chapters. In a DVD VIDEO karaoke disc, each song usually has its own title number and does not have chapters. In general, each title has independent content, while each chapter in the same title has continuity.

(Example: DVD VIDEO disc)

| Title 1 | | | Title 2 | |
|---|---|---|---|---|
| Chapter 1 | Chapter 2 | Chapter 3 | Chapter 1 | Chapter 2 |
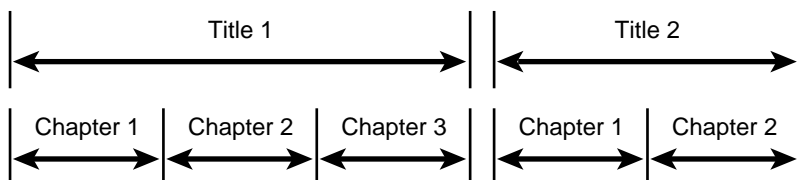
(Example: Audio CD/Video CD)

| Track 1 | Track 2 | Track 3 | Track 4 |
|---|---|---|---|
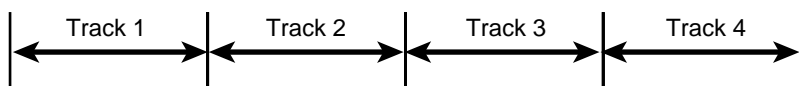
# Connections

*In the following description, "TV" may be substituted with "monitor" or "projector."
*Before using the unit, you have to connect the unit to a TV and/or amplifier.

## Before making any connections

• **Do not connect the AC power cord until all other connections have been made.**
• Since different components often have different terminal names, carefully read the instructions supplied with the component you are going to connect.

## To connect to a TV

You can enjoy using the unit by simply connecting it to a TV.  To improve audio sound quality, connect the audio outputs to your separate audio equipment. (See the following pages.)
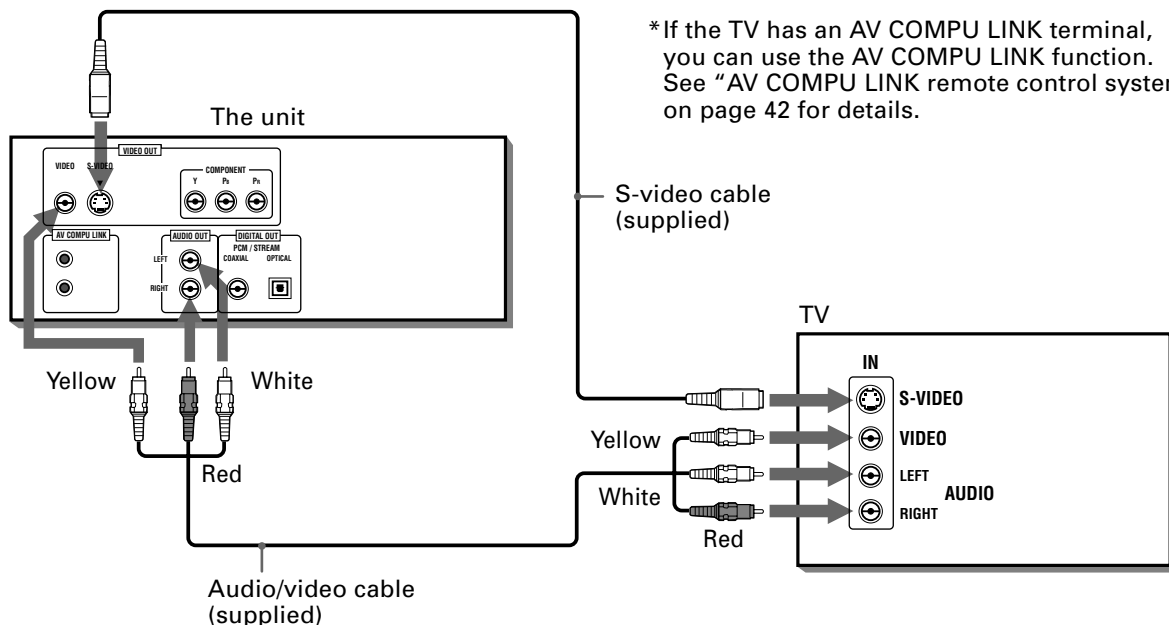
Connect the unit to a TV equipped with stereo audio input and video input jacks using the supplied audio/video cables.

• If your TV has a monaural audio input instead of stereo, you need to use an optional audio cable which converts stereo audio output to monaural.
• If your TV has an S-video input, you should connect it with the S-VIDEO output of the unit using the supplied S-video cable in addition to the (standard) video connection to get better picture quality.

---

**NOTES**

• **Connect VIDEO OUT of the unit directly to the video input of your TV. Connecting VIDEO OUT of the unit to a TV via a VCR may cause a monitor problem when playing back a copy-protected disc.**

• **Connect the unit to an NTSC television. Do not connect the unit to a PAL television.**

---

**Getting started**

## To connect to a TV with the component video input jacks

You can enjoy high picture quality by connecting the unit's COMPONENT VIDEO OUT jacks to the COMPONENT VIDEO IN jacks of your TV with the video cables.
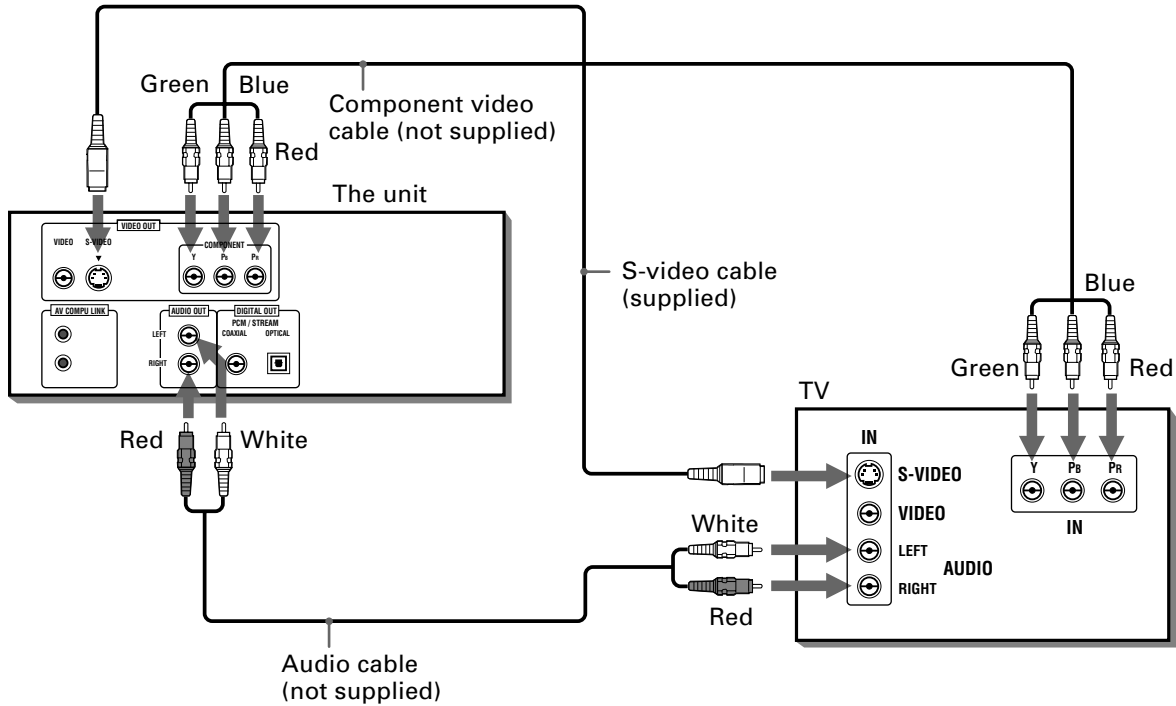


• Connect "Y" to "Y," "P$_B$" to "P$_B$," "P$_R$" to "P$_R$" correctly.

**NOTES**

• **When the component video input jacks of the TV is of the BNC type, use an adapter to convert a pin jack to a BNC jack (optional).**

• **If you do not connect the unit with the S-video cable, some functions of your TV may not work.**

• **Connect the unit to an NTSC television. Do not connect to a PAL television.**

## To connect to an audio amplifier or receiver

You can enjoy high-quality audio by connecting the unit's audio output to your amplifier or receiver.
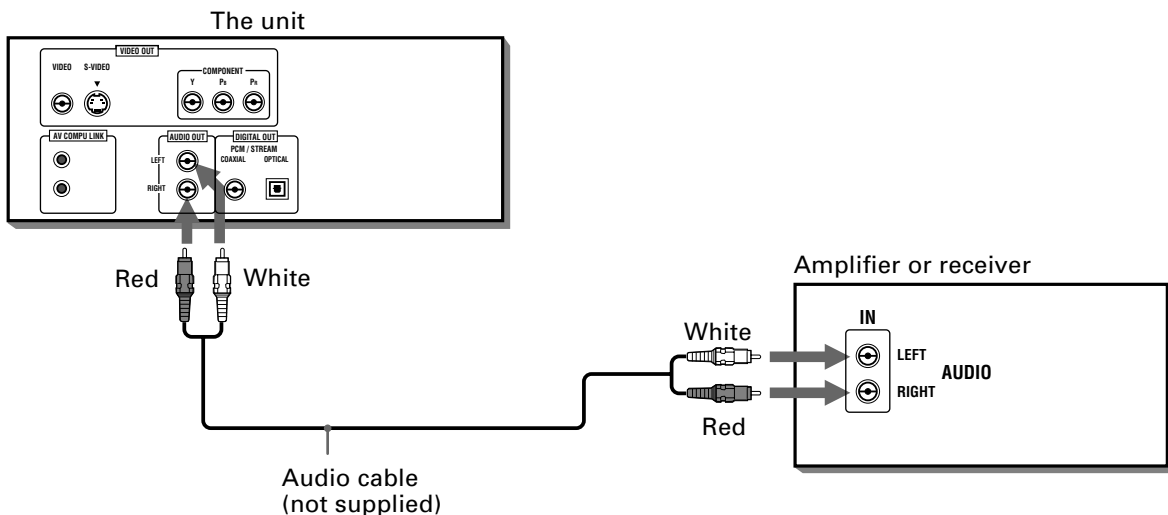


• Connect the unit's AUDIO OUT to any line-level inputs (such as AUX, DVD, CD, etc.) of an audio amplifier or receiver.

Getting
started

# To connect to audio equipment with a digital input

You can enhance the sound quality by connecting the unit's DIGITAL OUT to the digital input of an amplifier, DAT or MD by using an optional digital cable. The digital audio signal from a disc is directly transferred. If you connect the unit to a Dolby Digital or DTS decoder or an amplifier with a built-in decoder by using an optional digital cable, you can enjoy high-quality surround sound.

When you make the digital connection, also make the analog connection, because, depending on the disc type, no audio may be reproduced from the DIGITAL OUT.



The unit

When using the DIGITAL OUT (OPTICAL) jack, remove the protection cap. Do not lose the removed cap. When the jack is not used, fix the protection cap into the jack.

Optical digital cable (not supplied)

Red

White

Coaxial digital cable (not supplied)

Digital equipment

White

Red

Audio cable (not supplied)
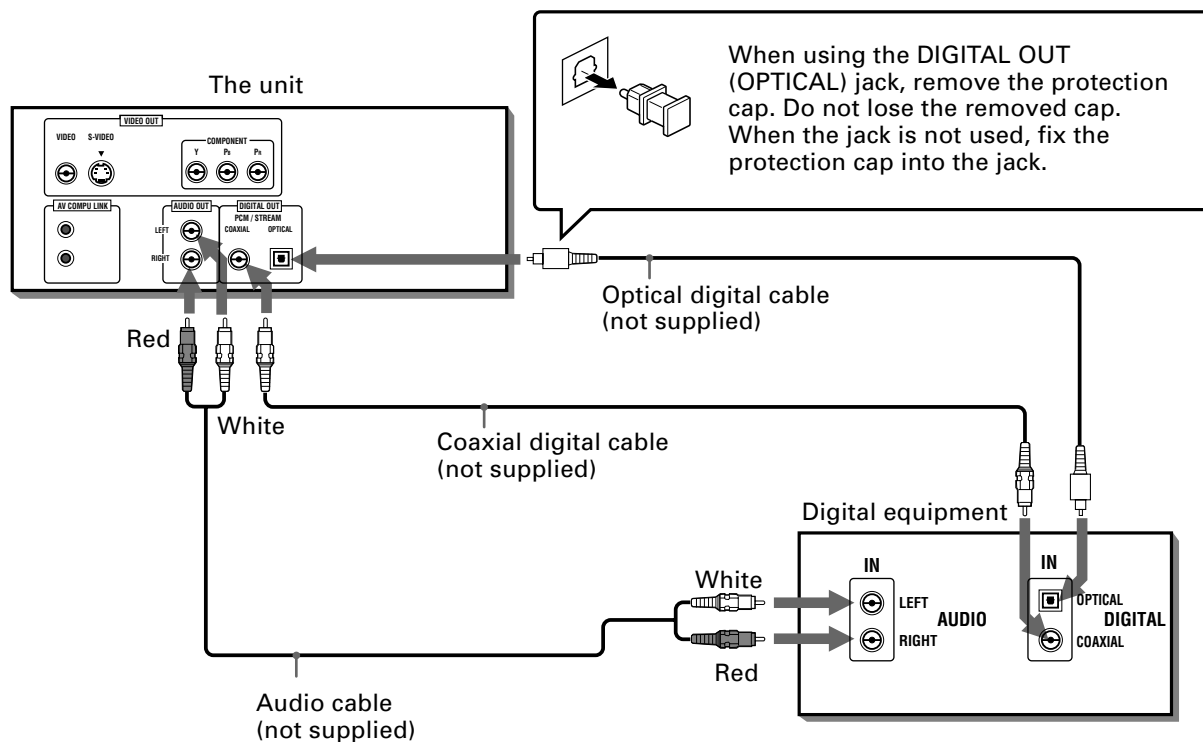
**NOTES**

• When you connect the unit's DIGITAL OUT to digital audio equipment, before using, make the "DIGITAL AUDIO OUTPUT" setting in the "AUDIO" page of the preference display correctly according to the connected audio equipment. If the "DIGITAL AUDIO OUTPUT" is not set correctly, loud noise may be generated from speakers, causing damage to your speakers. See "DIGITAL AUDIO OUTPUT" on page 37.

• With the digital connection, the unit's settings for COMPRESSION and DOWN MIX in the AUDIO page of the preference display are invalid. Settings for these items must be made from the decoder.

# To connect the power cord

When all the audio/video connections have been made, insert the smaller plug of the supplied AC power cord to the unit's AC IN connector, then insert the other end to the wall outlet. Make sure that plugs are inserted firmly. The STANDBY indicator lights and setup is completed.

## ⚠ Warning

• Disconnect the power cord if you are not going to use the unit for a long time.
• Disconnect the power cord before cleaning the unit.
• Disconnect the power cord before moving the unit.
• Do not connect or disconnect the power cord with wet hands.
• Do not pull the power cord when disconnecting it, as this may damage the cord and cause fire, electric shock, or other accidents.

## ⚠ Caution

• Do not damage, alter, twist, or pull the power cord, as this may cause fire, electric shock, or other accidents.
• To prevent any accidents or damages caused by an unsuitable AC power cord, only use the supplied power cord. If the cord is damaged, contact a dealer and get the new power cord.
• Do not put anything heavy, or the unit, on the power cord, as this may cause fire, electric shock, or other accidents.

# Using the remote control unit

Using the remote control, you can operate not only all the functions of the unit but also basic functions of your TV and the volume control of a JVC amplifier/receiver.

## To install batteries in the remote control unit

The battery compartment is located on the back of the remote control unit.

**1** Press down on the point shown by the arrow at the top of the compartment cover, and pull up the cover to open the compartment.
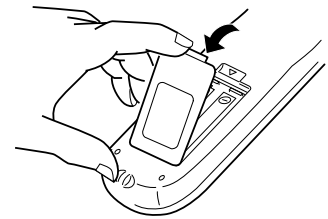
**2** Place the two accessory R6P (SUM-3)/AA(15F) batteries in the remote control according to the polarity markings ("+" and "−") inside the compartment and on the batteries.
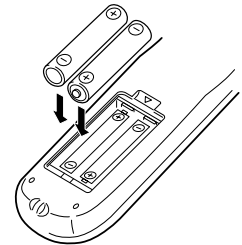
**3** Place the cover over the compartment, and press down lightly.
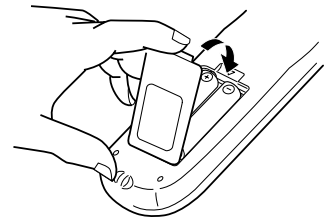
• The batteries will last about six months with normal use. If the functions of the remote control become erratic, replace the batteries. See below for more information.

### Precautions for the safe use of batteries

Observe the following precautions for the safe use of batteries. If they are used improperly their life will be shortened, they may burst or their contents may leak.

┌─ **Precaution** ─────────────────────────────────────────────────────────┐

• **Remove the batteries from the remote control if it is not going to be used for a long period of time**.

• **Remove dead batteries and dispose of them properly.**

• **Never leave dead batteries lying around, take them apart, mix them with other refuse, or throw them into an incinerator.**

• **Never touch liquid that has leaked out of a battery.**

• **Do not mix new and old batteries, or batteries of different types, when replacing them**.

└────────────────────────────────────────────────────────────────────────┘

**Getting started**

## To use the remote control unit for TV operation

You can operate your TV from the remote control unit.

**Setting the remote control signal for operating your TV.**

1 Holding down TV/VIDEO - THEATER POSITION, enter the manufacturer code of your TV listed below by using the numeric buttons (0 - 9).
Do not release TV/VIDEO - THEATER POSITION. Keep holding it until the next step is completed.

**Manufacturer code list**

| No. | Manufacturer |
| --- | --- |
| 01 | JVC |
| 02 | MAGNAVOX |
| 03 | MITSUBISHI |
| 04 | PANASONIC |
| 05 | RCA |
| 06 | SHARP |
| 07 | SONY |
| 08 | TOSHIBA |
| 09 | ZENITH |

| No. | Manufacturer |
| --- | --- |
| 10 | HITACHI |
| 11 | PANASONIC |
| 12 | SAMSUNG |
| 13 | SANYO |
| 14 | SANYO |
| 15 | SAMSUNG |
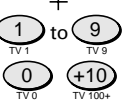
**Example:**

To enter the manufacturer code "01":
Press "0" then "1."



DVD POWER - TV POWER

Numeric buttons

SHIFT

STOP

TV/VIDEO - THEATER POSITION
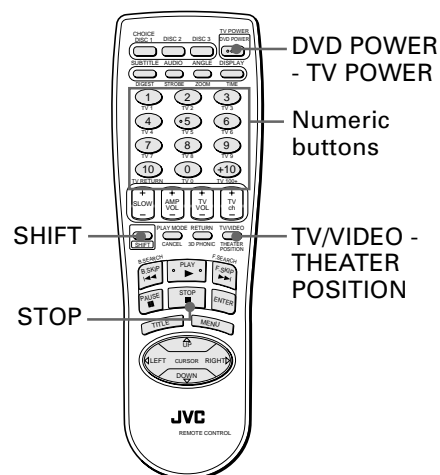
2 Press ■ (STOP) while holding down TV/VIDEO - THEATER POSITION.

3 Try to operate your TV by pressing DVD POWER - TV POWER while holding SHIFT.
If your TV turns on or off, you have successfully set the control signal.

The following buttons can be used for operating the TV:

| Button | Function |
| --- | --- |
| SHIFT + TV POWER / DVD POWER | Turns the TV on or off. |
| + TV ch − | Changes the TV channels. |
| + TV VOL − | Adjusts the TV volume. |
| SHIFT + 1 to 9 (TV 1 to TV 9), 0 (TV 0), +10 (TV 100+) | Selects the TV channels.<br>*For some TVs, pressing "+10" while holding down SHIFT functions as the "100+." "+10" functions as the ENTER button if your TV requires pressing the ENTER button after selecting a channel number. |
| SHIFT + 10 (TV RETURN) | Returns to the previously selected channel (only valid for JVC TVs). |
| TV/VIDEO THEATER POSITION | Switches input mode (either TV or VIDEO). |

**NOTES**

• **The remote control unit is initially set for operating a JVC TV.**

• **If there is more than one code listed for the manufacturer of your TV, try them one by one until you succeed.**

## To control the volume of a JVC's amplifier or receiver

You can control the volume of a JVC's amplifier or receiver by using the AMP VOL button on the remote control unit.



**16**

# Basic operations

In the following description, the buttons on the remote control unit are mainly used, however, you may use the corresponding buttons on the front panel of the unit if available.

## Turning on/off the unit

Press POWER on the front panel or press DVD POWER - TV POWER on the remote control unit.

POWER

DVD POWER
TV POWER
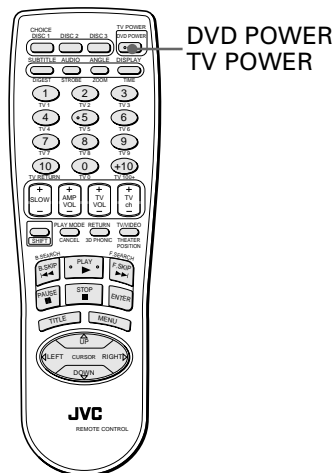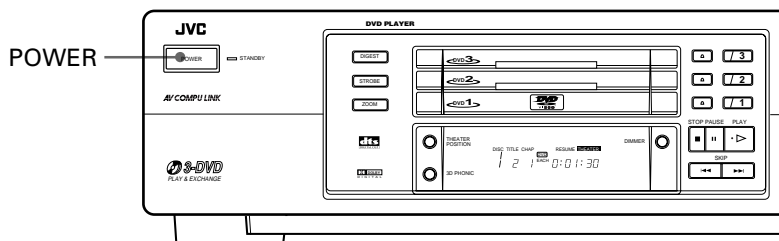
**Hints**

• You can turn on the unit by pressing the PLAY button or any one of the DISC (1 through 3) buttons. In this operation, the unit starts playback if the disc is set in the selected tray.
• You can turn on the unit by pressing any one of the ▲ (OPEN/CLOSE) buttons on the front panel.

**NOTE**

Even if you press the POWER or DVD POWER - TV POWER button to turn off the unit, the unit is not disconnected from the AC power source as long as it is connected to the wall outlet. This state is called the standby mode. In this state, the unit consumes a very small amount of power.

## Inserting and removing discs

**1** Press ▲ (OPEN/CLOSE) located on the right of the disc tray you want to open.

The corresponding disc tray opens.

**2** Place the disc in the tray.

With the label side up

• To insert an 8-cm disc, place it in the inner recess.
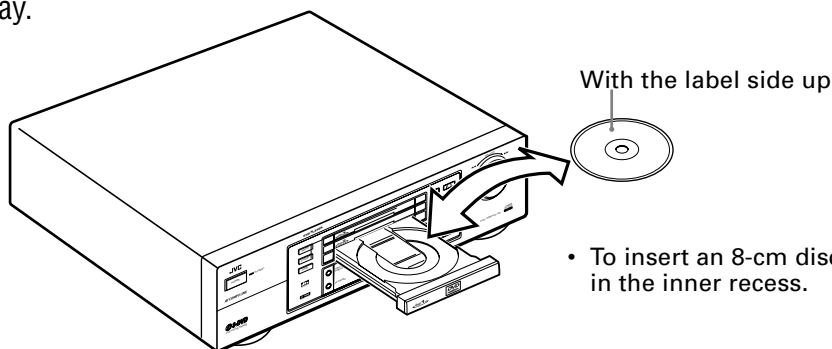
**3** Press ▲ (OPEN/CLOSE) to close the disc tray.

**Hints**

• If you press ▲ (OPEN/CLOSE) for the disc being played, the unit stops playback and opens the tray.
• You can insert or remove the disc by pressing ▲ (OPEN/CLOSE) for a disc tray which is not in use for playback while a disc in the other tray is being played, without interrupting playback.

**NOTES**

• The unit can playback DVD VIDEO, Audio CD, and Video CD discs only. Do not load other disc types. For details about playable disc types, see page 11.
• When loading a disc in the tray, be sure to position the disc inside the recess. Otherwise, the disc may be damaged when the tray is closed, or the disc may not be removed from the unit.

# Basic playback

Now you can play a disc.  First, let's enjoy simple playback according to following procedure.

## To start playback

Press PLAY,

or

press one of the DISC (1 through 3) buttons.

The unit starts playback from:

- the selected disc indicated in the display window when pressing PLAY
  or
- the corresponding disc when pressing a DISC button.

The indicator on the DISC button (1 - 3) on the front panel corresponding to the disc being played flashes.

In both cases above, the unit basically plays back all discs in the trays once continuously in the following sequence and then stops.

**DISC1 ➡ DISC2 ➡ DISC3**

- The unit changes the playback disc when the current disc finishes and stops playback. Therefore, if the current disc is a DVD VIDEO disc or a Video CD disc with PBC function, it may not finish playback and the unit may not change the disc and playback the next disc.
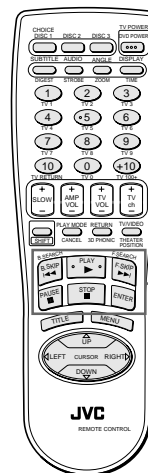
Basic control buttons

### NOTES

- **The 1 through 3 buttons on the front panel function the same as the DISC 1 through 3 buttons on the remote control unit respectively.**
- **When the resume point is memorized, pressing PLAY starts playback from that point instead of the beginning. See page 20.**
- **During playback, the display window shows the disc number and the title/chapter or track number being played.**
- **With Video CD discs with PBC control or some DVD discs, the menu display may appear on the TV screen after starting playback. In such a case, select an item to be played back from the menu.**
  **For operation using a menu, see page 21.**
- **With some DVD discs, the unit starts playback automatically after inserting the disc.**

## To stop playback completely

Press STOP.

The unit stops playback.

## To stop playback temporarily

Press PAUSE.

The unit pauses playback.  To continue playback, press PLAY.

Basic operations

## To advance or reverse playback rapidly while monitoring

`DVD VIDEO` `Audio CD` `Video CD`

■ During playback

### From the remote control unit

Hold down ⏮◄◄ or ►►⏭.

Holding down ►►⏭ advances playback rapidly, while holding down ⏮◄◄ reverses playback at 5 times the normal speed.  Releasing the button returns the unit to normal playback.

or

### Press ⏮◄◄ or ►►⏭ while holding down the SHIFT button.

Each press of ⏮◄◄ or ►►⏭ while holding down the SHIFT button increases the playback speed from 2x to 60x the normal speed.

Pressing PLAY returns the unit to normal playback.

### From the front panel

Use the SHUTTLE knob.

To advance playback rapidly, turn the shuttle knob to the right and hold, and to reverse play rapidly, turn the shuttle knob to the left and hold. By releasing the shuttle knob, the unit returns to normal playback. The playback speed changes according to the amount you turn the shuttle knob.

SHUTTLE knob



**Hints**

Holding down the ⏮◄◄ or ►►⏭ button on the front panel also advances or reverses playback rapidly.
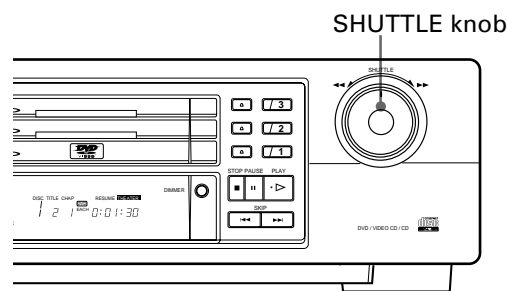
## To locate the beginning of the scene or song

`DVD VIDEO` `Audio CD` `Video CD`

■ During playback

### Press ⏮◄◄ or ►►⏭.

Press ⏮◄◄ to locate the beginning of the current chapter, title, or track, and press ►►⏭ to locate the beginning of the next chapter, title, or track.

**NOTE**

• **When you play a Video CD disc with the PBC function or a DVD VIDEO disc, the unit may locate a different place, but it will generally locate the beginning of the title, chapter or track.**

# Resuming playback

The unit can memorize the position on a disc where you interrupt playback, and resume playback from that position next time you press PLAY.

## To memorize the interrupted position

**1** Set the RESUME setting on the SYSTEM page of the preference display to ON.

(See page 39 for details about how to set.)

**2** At the position you want to interrupt playback, press STOP, or press DVD POWER - TV POWER on the remote control or POWER on the front panel.

The unit memorizes the interrupted position, while [RESUME] lights in the display window.

Hints

If you interrupt playback by pressing STOP in step 2 above and then turn off the power, the memory is not cleared.

## To resume playback

■ While the disc you interrupt playback last time is still in the disc tray.

Press PLAY.

The unit starts playback from the position where you interrupted playback last time.

● **To clear the resume position memory**

Carry out one of the following:

    * Take out the disc from the tray.

    * Press a DISC (1 - 3) button.

    * Press STOP while stopped.

    * Turn on the unit by pressing DVD POWER - TV POWER (on the remote control) or POWER (on the front panel).

**NOTES**

• **If you want to resume playback, do not press a DISC (1 - 3) button to start playback or do not press the POWER (on the front panel) or DVD POWER - TV POWER (on the remote control) to turn on the unit.**

• **The resume function does not work with Audio CD discs.**

• **The resume function does not work if RESUME on the SYSTEM page of the preference display is set to OFF.**

• **In the case of a Video CD disc with PBC function, the unit may resume playback from a point slightly earlier than the resume point you stored.**

• **The resume function does not work in the program or random mode.**

Basic operations

# Advanced operations

When you use the functions described below while stopped, make sure that the desired disc number is selected (the selected disc number is shown in the display window). If it is not selected, press the corresponding DISC button to start playback and then press STOP.

## Playing from a specific position on a disc

You can play a disc from the selected track, title or chapter, or from the specified time.

### To locate a desired scene from the DVD menu

**DVD VIDEO**

DVD VIDEO discs generally have their own menus which show the disc contents. These menus contain various items such as titles of a movie, names of songs, or artist information, and display them on the TV screen. You can locate a desired scene by using the menu.
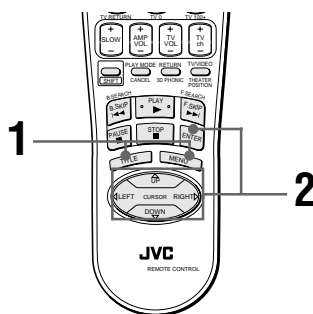


■ Whenever a DVD VIDEO disc is loaded

**1** Press MENU or TITLE.

The menu appears on the TV screen.

**Hints**

**About menu**

Normally, a DVD VIDEO disc which contains more than one title may have a "title" menu which lists the titles. In this case, the menu appears on the TV screen by pressing the TITLE button. Some DVD VIDEO discs may also have a different menu which appears by pressing the MENU button.

Example
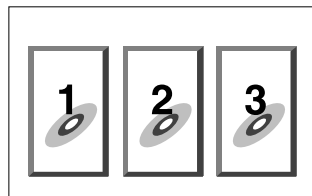


See the instructions of each DVD VIDEO disc for its particular menu.

**2** Use CURSOR ◄/►/▲/▼ to select a desired item, then press ENTER.

The unit starts playback of the selected item.

**Hints**

With some discs, you can also select items by entering the corresponding number using the numeric buttons, which may cause the unit to automatically start playback.

---

**NOTES**

- When ⊘ appears on the TV screen by pressing TITLE in step 1:

  The disc does not have a menu listing the titles.

- When ⊘ appears on the TV screen by pressing MENU in step 1:

  The disc does not have a menu

- **The menu button does not work while stopped**.

### To locate a desired scene from the menu of the Video CD with PBC

**Video CD**

Some Video CD discs supports the PBC function. PBC is an abbreviation of "PlayBack Control." A Video CD disc recorded with PBC has its own menus, such as a list of the songs of the disc. You can locate a specific scene by using the menu.
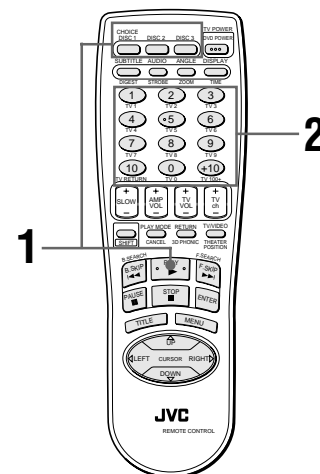


■ When a Video CD disc with PBC is stopped

**1** Press PLAY or the corresponding DISC (1 - 3) button.

A disc menu appears on the TV screen (The PBC function is activated).

Example:
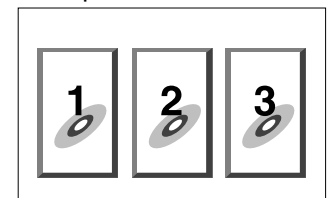


"Pbc" is indicated in the display window on the front panel.

**2** Use the numeric buttons to select the desired number of the item.

- See page 10 for details about how to use the numeric buttons.

The unit starts playback from the selected item.

You can return to the menu by pressing RETURN - 3D PHONIC.

When "NEXT" or "PREVIOUS" appears on the TV screen, the unit generally works as follows:

- Pressing ▶▶| advances to the next page.
- Pressing |◀◀ returns to the previous page.
- * The method of the operation is different depending on the disc.

### Hints

- To activate the PBC function when a PBC-compatible Video CD disc is being played back without the PBC function, press STOP then press PLAY.
- You can also activate the PBC function using the play mode menu display as follows.
  1. Press PLAY MODE - CANCEL.
  2. Use the CURSOR ◀/▶ to move ⬦ to [PBC CALL], then press ENTER.
- If you want to playback a PBC-compatible Video CD disc without activating the PBC function, start playback by using the numeric buttons instead of the PLAY button. See the next paragraph.

## To locate a desired selection using the numeric buttons
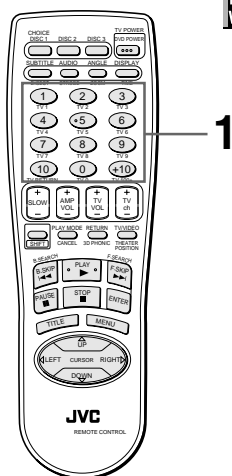


You can play a desired title or chapter (DVD VIDEO) or track (Audio CD/Video CD) by specifying the number.

■ For DVD VIDEO/Audio CD:
  During playback or while stopped
For Video CD: During playback without PBC function or while stopped

### 1 Use the numeric buttons to specify the number.

- * During DVD VIDEO playback (except when a menu is shown), a chapter is specified.
- * While a DVD VIDEO is stopped, a title is specified.
- * For an Audio CD or Video CD, a track is specified.

The unit starts playback from the beginning of the selection.

- See page 10 for details about how to use the numeric buttons.

### NOTES

- **During DVD VIDEO playback, if a menu is shown on the TV screen, the numeric buttons may be used for selecting an item in the menu.**
- **When ⃠ appears on the TV screen.**

  The title or track you have specified is not contained in the disc.
- **This function does not work during Video CD playback with PBC function**

## To locate a desired selection using |◀◀ or ▶▶|
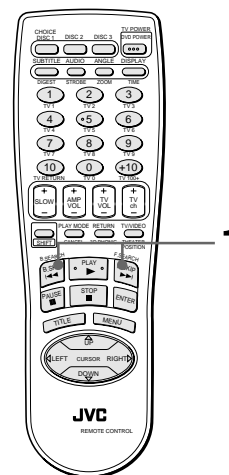


■ For DVD VIDEO: During playback
  For Audio CD: During playback
  For Video CD: During playback without PBC function

### 1 Press |◀◀ or ▶▶|.

With an Audio CD or Video CD, pressing the button skips a track. With a DVD VIDEO disc, pressing the button skips a chapter or title depending on the disc configuration.

The selection number appears in the display window on the front panel.

- To skip forward a selection, press ▶▶| once or repeatedly until the desired selection number appears in the display.
- To skip to the beginning of the current selection, press |◀◀ once.
- To skip back a selection, press |◀◀ repeatedly until the desired selection number appears in the display.

### NOTES

- **This function may not work with some DVD VIDEO discs.**
- **This function does not work during Video CD playback with PBC function**

**Advanced operations**

**22**

## To locate a desired scene by specifying the chapter number [CHAP. SEARCH]

DVD
VIDEO

If the current title of a DVD VIDEO disc being played is divided into chapters, you can skip to a desired chapter by specifying the chapter number using the on-screen display.



**3**

**1**

**2, 4**

**2**
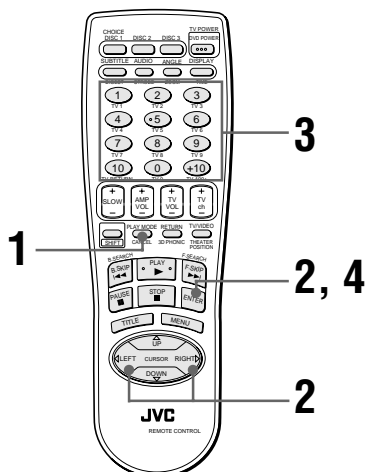
■ During DVD VIDEO playback

**1** Press PLAY MODE - CANCEL.

The DVD play mode menu appears on the TV screen.

**2** Use CURSOR ◄/► to move ↘ to [CHAP. SEARCH], then press ENTER.

"GO TO CHAPTER = " appears under the menu.

```
DVD CONTROL

REPEAT  A-B REPEAT  TIME SEARCH  CHAP. SEARCH
                                          ↘

GO TO CHAPTER = [        ]
```
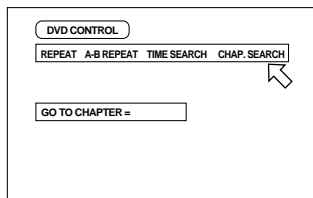
**3** Use the numeric buttons (0 ~ 9) to enter the desired chapter number.

Example:

To select chapter number 8:
Press "8" → ENTER.
To select chapter number 37:
Press "3" → "7" → ENTER.

**4** Press ENTER.

The unit starts playback from the selected chapter.

Hints

The "10" and "+10" buttons are not used in this function.

## To locate a desired position in the current title or track [TIME SEARCH]

DVD
VIDEO   Audio CD   Video CD

You can play a disc from the desired position by specifying the elapsed time from the beginning of the current title or track using the TIME SEARCH function. Note that some DVD VIDEO discs do not contain time information, and the TIME SEARCH function cannot be used.
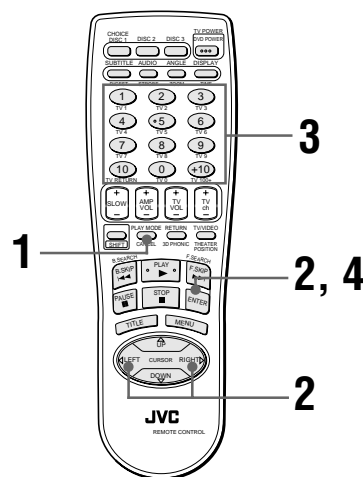


**3**

**1**

**2, 4**

**2**

■ For DVD VIDEO:  During playback
For Audio CD:  During playback
For Video CD:  During playback without PBC function

**1** Press PLAY MODE - CANCEL.

The play mode menu appears on the TV screen.

**2** Use CURSOR ◄/► to move ↘ to [TIME SEARCH], then press ENTER.

"GO TO" appears under the menu.

**3** Use the numeric buttons (0 ~ 9) to enter the time.

You can specify the elapsed time of the current title or track to set the location which you want to playback from.

Advanced
operations

## 4 Press ENTER.

The unit starts playback from the specified time.

(for DVD VIDEO)

```
┌─────────────────────────────────────┐
│  ┌─────────────┐                     │
│  │ DVD CONTROL │                     │
│  └─────────────┘                     │
│  ┌─────────────────────────────────┐ │
│  │ REPEAT  A-B REPEAT  TIME SEARCH  CHAP. SEARCH │ │
│  └──────────────────────▽──────────┘ │
│                                      │
│  ┌──────┐ ┌─────────┐               │
│  │ GO TO│ │ 2:34:00 │               │
│  └──────┘ └─────────┘               │
│                                      │
└─────────────────────────────────────┘
```
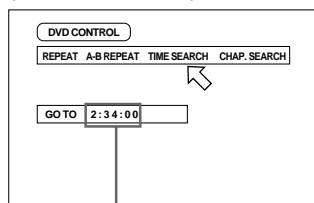
Selected time

(for Audio CD)

```
┌─────────────────────────────────────┐
│  ┌─────────────┐                     │
│  │ CD CONTROL  │                     │
│  └─────────────┘                     │
│  ┌─────────────────────────────────┐ │
│  │ REPEAT  A-B REPEAT  TIME SEARCH │ │
│  └──────────────▽──────────────────┘ │
│                                      │
│  ┌──────┐ ┌──────┐                  │
│  │ GO TO│ │ 2:34 │                  │
│  └──────┘ └──────┘                  │
│                                      │
└─────────────────────────────────────┘
```

Selected time

(for Video CD)

```
┌─────────────────────────────────────┐
│  ┌─────────────┐                     │
│  │ VCD CONTROL │                     │
│  └─────────────┘                     │
│  ┌─────────────────────────────────┐ │
│  │ REPEAT  A-B REPEAT  TIME SEARCH  PBC CALL │ │
│  └──────────────▽──────────────────┘ │
│                                      │
│  ┌──────┐ ┌──────┐                  │
│  │ GO TO│ │ 2:34 │                  │
│  └──────┘ └──────┘                  │
│                                      │
└─────────────────────────────────────┘
```

Selected time

**Hints**
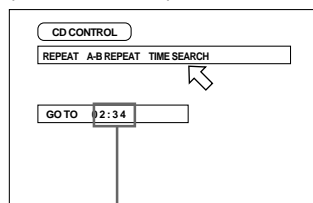
- "10" and "+10" buttons are not used in this function.
- You can specify the time in hour/minute/second format for DVD VIDEO discs, and in minute/second format for Audio and Video CD discs.
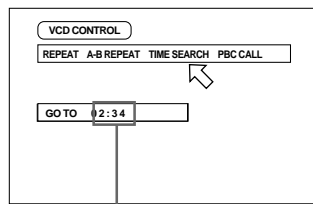
- **Example (for DVD VIDEO):**
  To playback from 2(H):34(M):00(S)

  | GO TO _ : _ _ : _ _ |
  |---|

  ↓ Press "2".

  | GO TO 2 : _ _ : _ _ |
  |---|

  ↓ Press "3".

  | GO TO 2 : 3 _ : _ _ |
  |---|

  ↓ Press "4".

  | GO TO 2 : 3 4 : _ _ |
  |---|

  ↓

  Press ENTER.
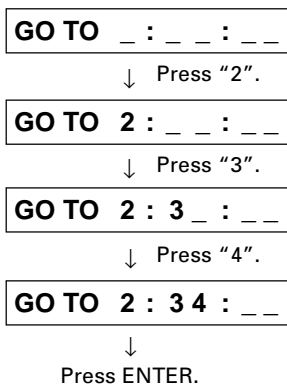
You do not have to press "0" to enter the trailing zeros (for the last two digits in the example above). Of course, it is possible to enter them.

- **When you make a mistake**
  Move the cursor to the incorrect value, then press the correct button to re-select the value.

  | GO TO 2 : 3 5 : _ _ |
  |---|

  ↓ Press CURSOR ◄.

  | GO TO 2 : 3 _ : _ _ |
  |---|

  ↓ Press "4".

  | GO TO 2 : 3 4 : _ _ |
  |---|
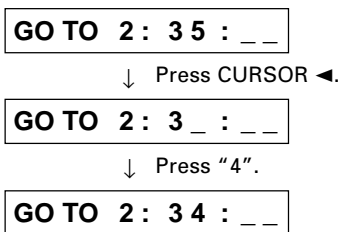
**NOTES**

- **When ⃠ appears on the TV screen in step 2:**
  The time you have selected is not contained on the disc, or the time search function does not work on the disc.
  Also note that the time search function does not work during Video CD playback with the PBC function.
- **To turn off the play mode menu:**
  Press PLAY MODE.
- **The TIME SEARCH function cannot be used during program playback.**

## To locate a desired scene from the digest display [DIGEST]

DVD VIDEO / Video CD

The unit can display the opening scene of each title or chapter on a DVD VIDEO or each track of a Video CD. You can select a desired scene from those displayed on the TV screen.
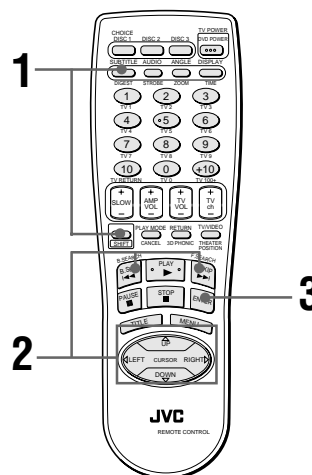


- For DVD VIDEO:  While stopped or during playback
  For Video CD:  While stopped or during playback without PBC function.

### 1 Press SUBTITLE - DIGEST while holding down SHIFT.

Up to nine opening scenes are displayed.

- While a DVD VIDEO disc is stopped:
  The opening scene of each title appears on the TV screen.
- During DVD VIDEO disc playback:
  The opening scene of each chapter in the current title appears on the TV screen.
- When a Video CD disc is loaded:
  The opening scene of each track appears on the TV screen .



### 2 Use CURSOR ◄/►/▲/▼ to select the desired scene.

The selected scene is indicated by ▽.

If there are more than 9 scenes, the digest screen will have more than one page. In this case, pressing ►►I advances to the next page, while pressing I◄◄ returns to the previous page.

**Advanced operations**

Selected scene

Hints

• When the lower right scene is selected, pressing CURSOR ▶ advances to the next page if available. Similarly, when the upper left scene is selected, pressing CURSOR ◀ returns to the previous page (if available).

• When there are more than one digest page, after pressing SUBTITLE - DIGEST while holding down SHIFT, pressing ▶▶┃ before all 9 scenes of the first page appear on the TV screen will advance to the next page. Similarly, pressing ┃◀◀ before all the scenes of the second or latter page appear on the TV screen will return to the previous page.

**3** Press ENTER.

The unit starts playback from the selected scene.

> **NOTE**
>
> **With some discs, depending on the contents, it may take some time until all the scenes appear on the screen.**

# Special picture playback

The unit provides special picture playback functions including Frame-by-frame, Strobe, Slow-motion and Zoom.

## To advance a still picture frame-by-frame

**DVD VIDEO** | **Video CD**
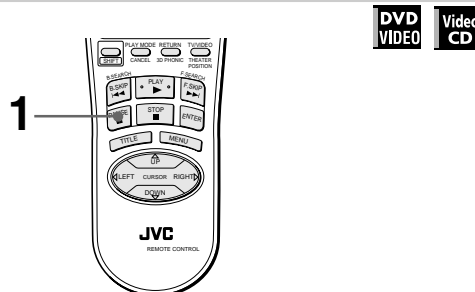


■ While paused (still)

**1** Press PAUSE.

Each time you press PAUSE, the still picture advances to the next frame.

Pressing PLAY returns to the normal playback mode.

## To display still pictures [STROBE]

**DVD VIDEO** | **Video CD**
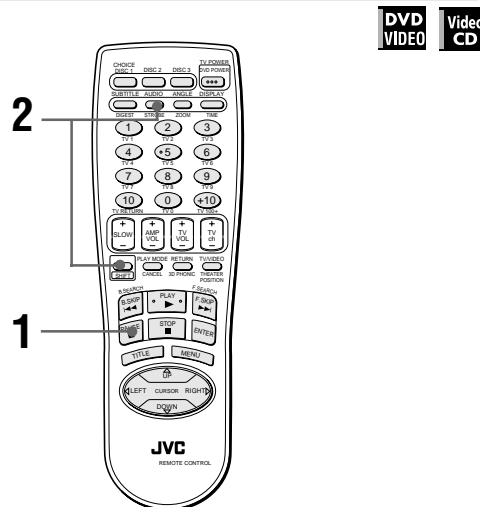


■ During playback

**1** At the point you want to view as continuous photographs, press PAUSE.

The unit pauses playback.

**2** Press AUDIO - STROBE while holding down SHIFT.

Nine continuous still pictures appear on the TV screen.
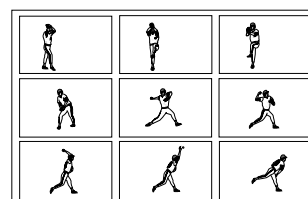


Hints

• Pressing PAUSE when the nine still pictures appear will advance to the next nine still pictures.

**Advanced operations**

- **To cancel strobe play**
  Press AUDIO - STROBE while holding down SHIFT.

  **NOTES**
  - Pressing and holding PAUSE for more than 1 second also activates the Strobe function.
  - If you press AUDIO - STROBE while holding down SHIFT during playback, nine still pictures also appear but they advance in realtime.

## To playback in slow-motion [SLOW]

DVD VIDEO  Video CD

■ During playback

### From the remote control unit
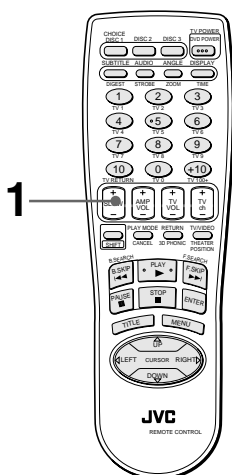


**1** Press SLOW.

To play forward slow-motion, press SLOW "+", and to play reverse slow-motion (for DVD VIDEO discs only), press SLOW "–". First, the unit plays the slowest speed, and each time you press the button, the playback speed increases.

### From the front panel
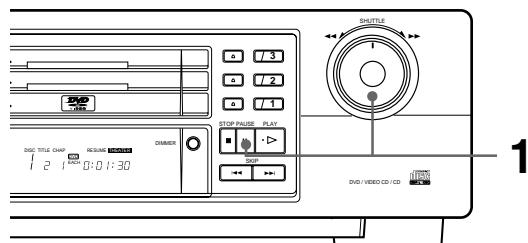


**1** Press PAUSE, then use the SHUTTLE knob.

To play forward slow-motion, turn the SHUTTLE knob to the right. To play reverse slow-motion (for DVD VIDEO discs only), turn it to the left. The more you turn the knob, the more the slow-motion speed increases.

- **To return to normal playback**
  Press PLAY.

- **To pause slow-motion playback**
  Press PAUSE.

  **NOTES**
  - The sound is muted during slow-motion playback.
  - Reverse slow-motion playback is not possible for a Video CD.

Advanced operations

## To zoom a scene [ZOOM]

DVD VIDEO | Video CD
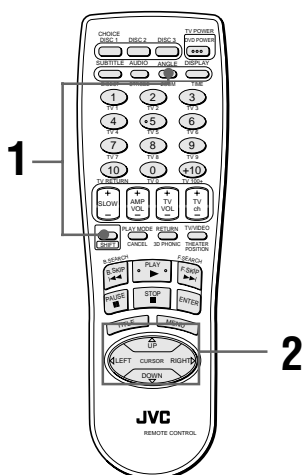


■ During playback or while paused

**1** Press ANGLE - ZOOM while holding down SHIFT.

"ZOOM" appears on the TV screen.

The unit zooms in to the center part of the scene to produce a double-sized picture.
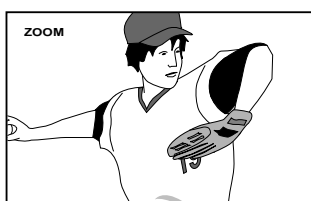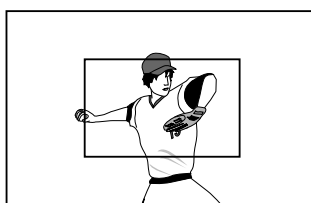


**2** Use CURSOR ◄/►/▲/▼ to move the zoomed-in scene.
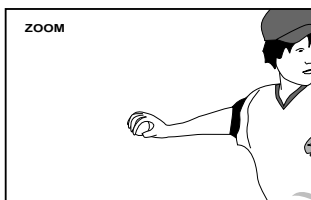


• **To return to normal playback**
Press ANGLE - ZOOM while holding down SHIFT.

**NOTE**

**While Zoomed, the picture may look coarse.**

# Changing the playback order

You can play titles or tracks on discs inserted in the desired order or in random order.

## To playback in the desired order [PROGRAM]

DVD VIDEO | Audio CD | Video CD

You can play titles or tracks on discs inserted in the desired order by using the Program function.
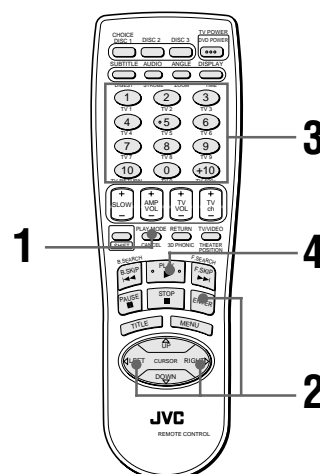


■ While stopped

**1** Press PLAY MODE - CANCEL.

The play mode menu appears on the TV screen.

**2** Use CURSOR ◄/► to move ⬔ to [PROGRAM] and press ENTER.
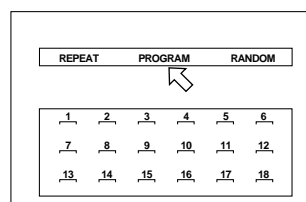


The program table appears under the menu bar (as shown above).

The "PROGRAM" indicator appears in the display window on the front panel.

**3** Specify the disc using the DISC (1 - 3) buttons and then the title or track using the numeric buttons.

See page 10 for details about how to use the numeric buttons.

Up to 18 titles or tracks can be programmed. You may select the same title or track more than once.

Advanced operations

The programmed disc number and title/track number are shown under each program number.

- **When you specify a wrong selection**
  Press PLAY MODE - CANCEL while holding down the SHIFT. The last selection programmed is erased.
- **To clear the program**
  Press STOP.

**4** Press PLAY to start program play.

When all of the programmed titles/tracks have finished playback, the unit stops but the program remains.

**NOTES**

- **Some DVD VIDEO discs may not be played back correctly in program mode.**
- **During program playback, pressing ►►I skip to the next selection of the program. Pressing I◄◄ returns to the beginning of the current selection, however, you cannot skip back to the previous selection.**
- **By pressing PLAY MODE - CANCEL during program playback, the program table is displayed on the TV screen and the current program number is indicated in yellow.**
- **In the program mode, the DISC (1 - 3) buttons are invalid.**

- **To quit program playback**
  Press STOP while stopped.
  The "PROGRAM" indicator in the display window turns off.
  Note that the program remains.
  To clear the program, press STOP while the program table is shown on the TV screen.

**Hints**

While stopped and the play mode menu is displayed on the TV screen, by moving ↖ to [PROGRAM] and pressing ENTER, the program mode quits. Note that the program remains.

## To playback in random order [RANDOM]

DVD VIDEO  Audio CD  Video CD

You can play titles or tracks on discs inserted in random order by using the Random function.
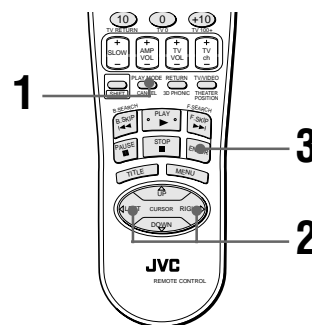


■ While stopped

**1** Press PLAY MODE - CANCEL.

The play mode menu appears on the TV screen.

**2** Use CURSOR ◄/► to move ↖ to [RANDOM].
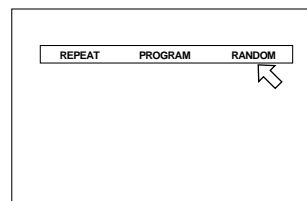


The "RANDOM" indicator appears in the display window on the front panel.

**3** Press ENTER.

The unit starts random playback of the selected disc.

When all titles/tracks of the disc have been played once, the unit starts random playback of the next disc (if inserted). After playing all titles/tracks of the second disc, the unit starts random playback of the third disc (if inserted). After playing all titles/tracks of all the discs, random playback ends.

**Hints**

The same title or track will not be played back more than once during random play.

- **To stop/quit random playback in the middle**
  Press STOP to stop playback. The unit is still in random playback mode, so pressing PLAY starts random playback again.
  To quit random playback, press STOP again while stopped. The "RANDOM" indicator in the display window turns off.

**NOTE**

- **Some DVD VIDEO discs may not be played back correctly in the random mode.**

**Advanced operations**

**28**

# Repeat playback

You can repeat playback of the current selection or all discs inserted. You can also repeat playback of a desired part.

## To repeat the current selection or all disc contents [REPEAT]

**DVD VIDEO** **Audio CD** **Video CD**
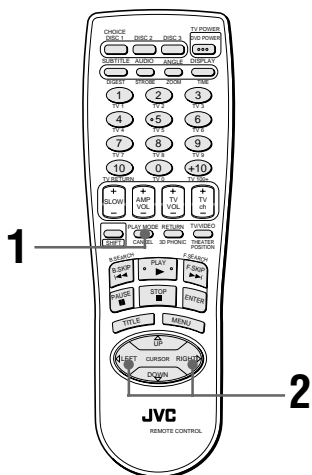
■ In any condition except Video CD playback with PBC

**1** Press PLAY MODE - CANCEL.

The play mode menu appears on the TV screen.

**2** Use CURSOR ◄/► to move ⟋⟍ to [REPEAT], then press ENTER.

Each time you press ENTER, the repeat mode changes as follows:

• **During DVD VIDEO playback**

DVD CONTROL

REPEAT   A-B REPEAT   TIME SEARCH   CHAP. SEARCH

REPEAT   ALL
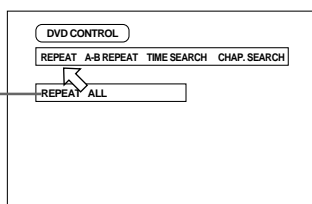
The selected repeat mode appears on the TV screen.

**REPEAT ALL (all disc repeat)**
↓
**\* REPEAT TITLE (current title repeat)**
↓
**\* REPEAT CHAPTER (current chapter repeat)**
↓
**No indication (off)**
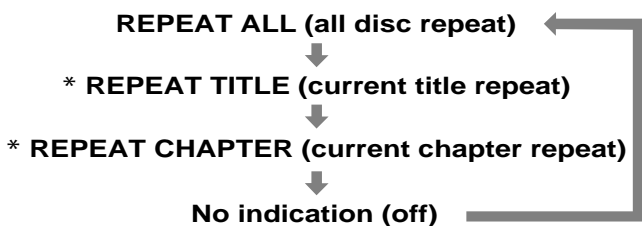
\* While stopped, you cannot select REPEAT TITLE or REPEAT CHAPTER.

• **During Audio CD/Video CD playback**

(for Audio CD)

CD CONTROL

REPEAT   A-B REPEAT   TIME SEARCH
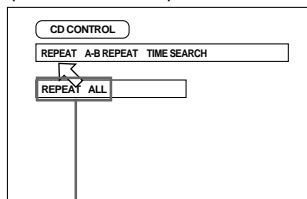
REPEAT   ALL

Selected repeat mode

(for Video CD)

VCD CONTROL

REPEAT   A-B REPEAT   TIME SEARCH   PBC CALL

REPEAT   ALL

Selected repeat mode

**REPEAT ALL (all disc repeat)**
↓
**REPEAT 1 (current track repeat)**
↓
**No indication (off)**
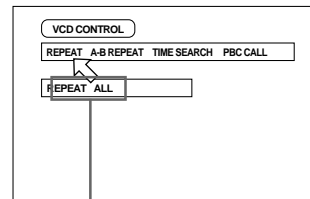
• **To stop repeat playback**
Press STOP.

• **While stopped**

REPEAT        PROGRAM        RANDOM

REPEAT   ALL

**REPEAT ALL**
↓
**No indication (off)**
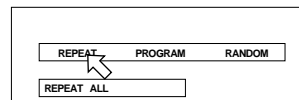
**Hints**

• If you press STOP in REPEAT ALL mode, the unit stops playback but remains in the mode.
• If you press STOP in REPEAT1, TITLE REPEAT or CHAPTER REPEAT mode, the unit stops playback and quits the mode.

• **To quit repeat playback**
With ⟋⟍ pointed at [REPEAT], press ENTER repeatedly until the mode is set to off.

**NOTES**

• **Some DVD VIDEO discs do not allow the title repeat or/and chapter repeat.**
• **Some DVD VIDEO discs automatically stops playback in the middle of the disc.**
• **During the REPEAT ALL playback, if such a DVD disc stops playback in the middle, the next disc automatically starts playback.**
• **During the REPEAT ALL playback, if the next disc is a Video CD disc with PBC, the unit plays the disc without activating the PBC function.**
• **Repeat playback function cannot be used during Video CD playback with PBC function.**
• **To turn off the play mode menu display**
Press PLAY MODE - CANCEL.

## To repeat a desired part [A-B REPEAT]

**DVD VIDEO** **Audio CD** **Video CD**
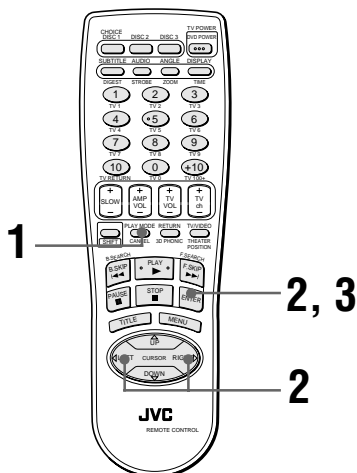


■ During playback

**1** Press PLAY MODE - CANCEL.

The play mode menu appears on the TV screen.

**2** Use CURSOR ◄/► to move ▷ to [A-B REPEAT], then press ENTER at the beginning of the part you want to repeat (point A).

Make sure that REPEAT mode is off. If any one of the REPEAT modes is selected, you cannot move ▷ to [A-B REPEAT].

**3** Press ENTER at the end of the part you want to repeat (point B).

The unit locates "A" and starts repeat playback between "A" and "B."

(for DVD VIDEO)
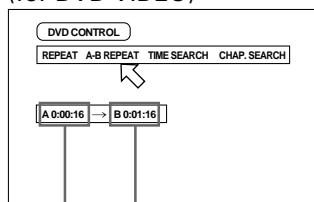


Point A    Point B

(for Audio CD)
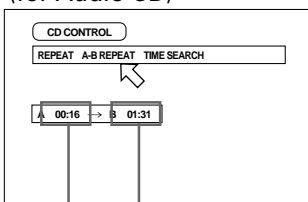


Point A    Point B

(for Video CD)
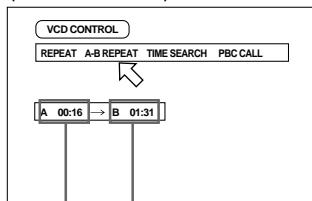


Point A    Point B

• **To quit A-B repeat playback**
Press STOP. The unit stops playback and quits the A-B repeat mode.

**Hints**

• During playback, pressing ENTER when ▷ is pointed at [A-B REPEAT] quits the A-B repeat mode and continues playback.

• You can also quit the A-B repeat mode by pressing I◄◄ or ►►I.

**NOTES**

• **To turn off the play mode menu**
Press PLAY MODE - CANCEL.

• **If ⊘ appears when pressing ENTER in step 2 during DVD playback**
You cannot repeat the selected portion because of the disc contents.

• **The A-B REPEAT function cannot be used during program playback.**

**Advanced operations**

**30**

# Selecting a scene angle of DVD VIDEO

You can enjoy a variety of scene angles if the DVD VIDEO disc contains "multi-angle" parts, where multiple cameras were used to shoot the same scene from different angles.

### Hints

At the beginning of "multi-angle" parts, 📹 appears on the TV screen.

## To select a scene angle from the normal screen [ANGLE]

**DVD VIDEO**

**1**

**2**
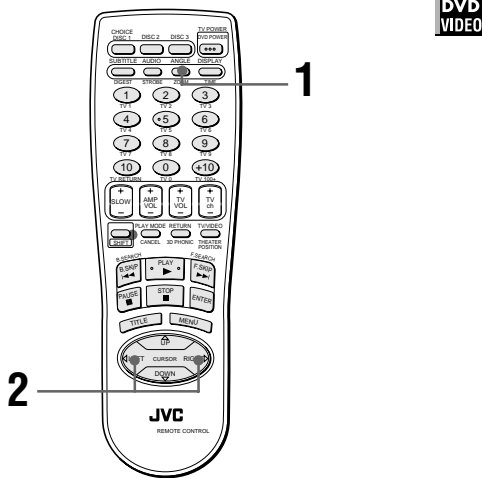
■ During DVD VIDEO playback

**1** Press ANGLE - ZOOM.

The Angle selectin display appears on the TV screen.

◁ 1 / 3 ▷
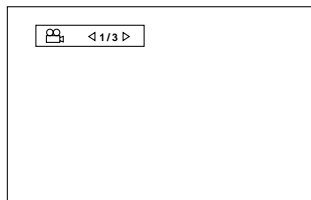
**2** Press ANGLE - ZOOM or CURSOR ◄/► to select the desired angle.

Each time you press ANGLE or CURSOR ◄/►, the angle changes.

Example:  **1 / 3**
          ↓
          **2 / 3**
          ↓
          **3 / 3**
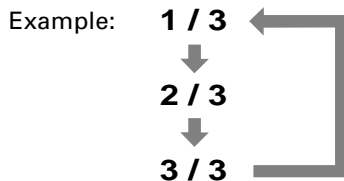
### NOTES

- **The Angle selection display will automatically disappear if you do not change the angle for 10 seconds.**
- **To turn off the Angle selection display manually, press ENTER.**
- **When ⊘ appears on the TV screen**
  The current scene is not recorded from multiple angles.

## To select a scene angle from the angle list display [ANGLE]

**DVD VIDEO**

**1**

**2**

**3**
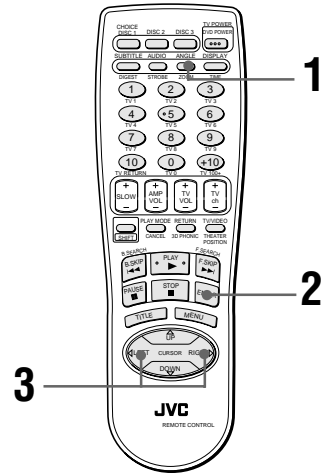
■ During DVD VIDEO playback

**1** Press and hold ANGLE - ZOOM for more than 1 second.

Up to nine camera angles recorded on a disc appear on the TV screen.
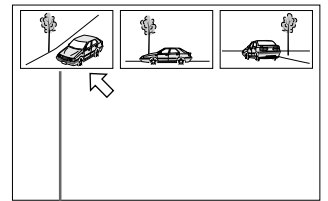
The selected camera angle

**2** Use CURSOR ▲/▼/◄/► to select the desired angle.

**3** Press ENTER.

■ The unit starts playback by the selected angle on the full-sized screen.

### NOTES

- **When ⊘ appears on the TV screen in step 1:**
  The current scene is not recorded from multiple angles.
- **During the operation above, audio is muted.**

Advanced operations

# Changing the language and sound

For DVD VIDEO discs, you can select the subtitle language, as well as the audio language/sound included on a disc.
For Video CD discs, you can select the audio channel(s).

## To select the subtitle language [SUBTITLE]

DVD VIDEO

■ During DVD VIDEO playback

**1, 2**

**3**

JVC
REMOTE CONTROL
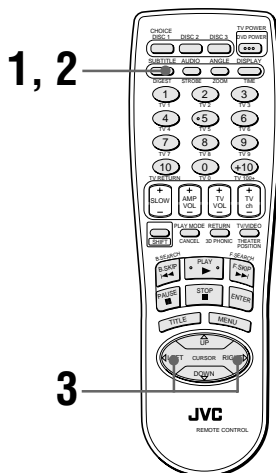
**1** Press SUBTITLE - DIGEST.

The Subtitle selection display appears on the TV screen.

```
[....]  ON  ◁ 1/3 ▷  ENGLISH
```
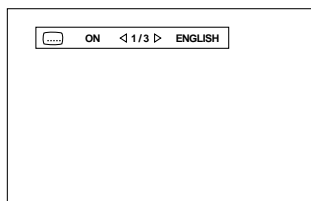
**2** To turn the subtitle on and off, press SUBTITLE - DIGEST.

**3** To select the desired subtitle language, press CURSOR ◄/►.

Each time you press CURSOR ◄/►, the subtitle language changes.
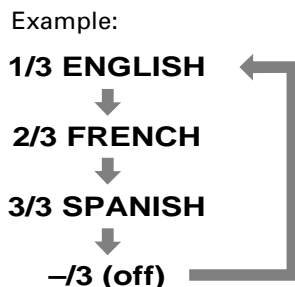
Example:

**1/3 ENGLISH**
↓
**2/3 FRENCH**
↓
**3/3 SPANISH**
↓
**–/3 (off)**

┌─ **NOTES** ─────────────────────────┐
- **For DVD VIDEO, the selected language may be abbreviated on the TV screen. See "Appendix A: Table of languages and their abbreviations" at the end of this manual.**
- **The Subtitle selection display will automatically disappear if you do not change the subtitle for 10 seconds.**
- **To turn off the Subtitle selection display manually, press ENTER.**
- **When ⃠ appears on the TV screen:**
  You cannot select the subtitle.
└──────────────────────────────────┘

## To change the audio language or sound [AUDIO]

DVD VIDEO    Video CD

By AUDIO selection, you can choose the audio language of movies or choose to enjoy karaoke with or without the vocal.

**1, 2**

**2**

JVC
REMOTE CONTROL
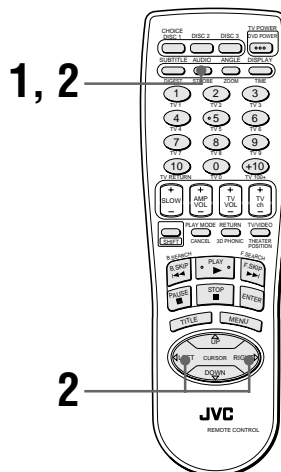
■ During playback

**1** Press AUDIO - STROBE.

The Audio selection display appears on the TV screen.

(DVD VIDEO)                    (Video CD)

```
[◯◯◯]  ◁ 1/3 ▷  ENGLISH
```
```
[◯◯◯]  ◁ STEREO ▷
```
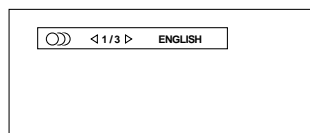
**2** Press AUDIO - STROBE or CURSOR ◄/► to select the desired audio.

- **For DVD VIDEO**
  Each time you press AUDIO - STROBE or CURSOR ◄/►, the audio language or sound changes.

  Example:

  **1/3 ENGLISH**
  ↓
  **2/3 FRENCH**
  ↓
  **3/3 SPANISH**
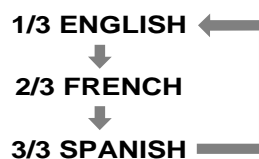
- **For Video CD**
  Each time you press AUDIO - STROBE or CURSOR ◄/►, the playback audio changes as follows.
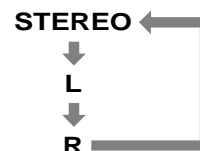
  **STEREO**
  ↓
  **L**
  ↓
  **R**

┌─ **NOTES** ─────────────────────────┐
- **For DVD VIDEO, the selected language may be abbreviated on the TV screen. See "Appendix A: Table of languages and their abbreviations" at the end of this manual.**
- **The Audio selection display will automatically disappear if you do not change the audio for 10 seconds.**
- **To turn off the Audio selection display manually, press ENTER.**
- **When ⃠ appears on the TV screen (for DVD VIDEO disc):**
  You cannot select the audio.
└──────────────────────────────────┘

Advanced operations

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# Selecting the picture character

You can select the quality of the image from among four options (OFF, 1, 2 and 3) according to the type of programming, picture tone or personal preferences.

## To select the picture character [THEATER POSITION]

DVD VIDEO  Video CD

**1, 2**
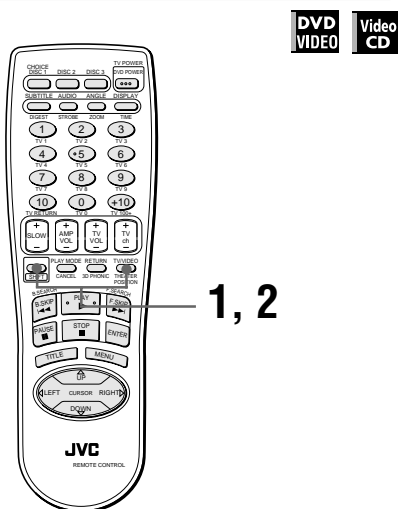
■ During playback

**1** Press TV/VIDEO - THEATER POSITION while holding down SHIFT.

The theater position display appears on the TV screen.

**2** Select the desired theater position by pressing TV/VIDEO - THEATER POSITION while holding down SHIFT.

Each press changes the option as follows.

THEATER 1

Selected picture character

**THEATER 1**
↓
**THEATER 2**
↓
**THEATER 3**
↓
**THEATER OFF**
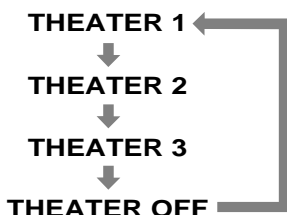
"THEATER OFF" is the normal position. Selecting a higher number tones down the picture character.

### NOTES

- **The theater position display will automatically disappear if you do not change the theater position for 5 seconds.**
- **To turn off the theater position display manually, press ENTER.**

# Enjoying virtual surround sound

Using the 3D Phonic function, you can get a simulated surround effect from your stereo system.

## To simulate surround sound [3D PHONIC]

DVD VIDEO  Audio CD  Video CD

**1, 2**
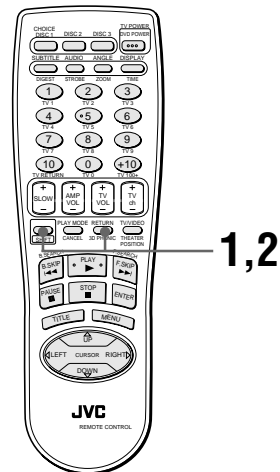
■ During playback

**1** Press RETURN - 3D PHONIC while holding down SHIFT.

The 3D Phonic display appears on the TV screen.

**2** Select the desired mode by pressing RETURN - 3D PHONIC while holding down SHIFT.

Each press changes the 3D phonic mode as follows:

3D PHONIC DRAMA

SES

Selected 3D phonic mode

**3D PHONIC ACTION***
↓
**3D PHONIC DRAMA**
↓
**3D PHONIC THEATER**
↓
**3D PHONIC OFF**

- **ACTION:**
Suitable for action movies and sports programs in which sounds dynamically move.

- **DRAMA:**
Natural and warm sound. You can enjoy movies in a relaxed mood.

- **THEATER:**

  You can enjoy sound effects like in a major theater in Hollywood.

* When you play a DVD VIDEO disc recorded in Dolby Digital which contains more than 3 channels, ACTION does not appear.

**NOTES**

- **The 3D Phonic display will automatically disappear if you do not change the 3D phonic for 5 seconds.**
- **To turn off the 3D phonic display manually, press ENTER.**
- **With a Video CD disc, if the AUDIO setting is set to L or R, you cannot activate the 3D Phonic function (i.e. the 3D Phonic mode is fixed to OFF).**

  Conversely, when the 3D Phonic function is active, changing the AUDIO setting to L or R from STEREO cancels the 3D Phonic function.

- **The 3D phonic function works correctly when playing back discs recorded in the Dolby Surround or Dolby Digital 5.1-CH format.**

  **It also works when playing back discs other than those above, but does not provide the correct effect.**

- **The 3D Phonic function does not affect the DTS or Dolby Digital bitstream signal from the DIGITAL OUT jack.**
- **The sound effect will not be set or operate, even if 3D PHONIC is pressed, for the sound of DVD VIDEO discs recorded in Linear PCM.**
- **When the 3D PHONIC function is active, the DOWN MIX and COMPRESSION settings in the AUDIO page of the preference display are disabled.**

# Checking the status

You can check the disc/time information, as well as the DVD functions, of the disc.

## To check the disc/time information



**1, 2**

**2**
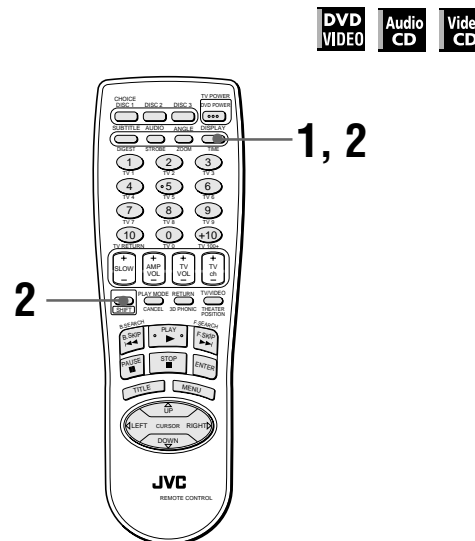
■ During playback

**1** Press DISPLAY - TIME once for a Audio CD or Video CD disc, or twice for a DVD VIDEO disc.

The disc/time display appears on the TV screen.

**Hints**

You can directly access the disc/time display of a DVD VIDEO disc by pressing DISPLAY - TIME while holding down SHIFT .

(for DVD VIDEO)



DISC 3 TITLE 1 CHAP. 25 TIME 2:25:25 BITRATE 3.3 Mbps

Time
Transmission rate
Current chapter number
Current title number
Disc number
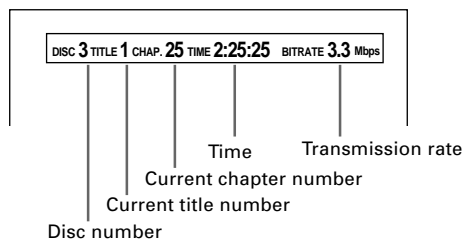
(for Audio CD, or Video CD playing without PBC)



DISC 3 TRACK 1 TIME 00:08 EACH

Time
Time mode
Current track number
Disc number

(for Video CD playing with PBC)



DISC 3 TRACK 1 TIME 25:25 PBC

Time
PBC on status
Current track number
Disc number

**Advanced operations**

**34**
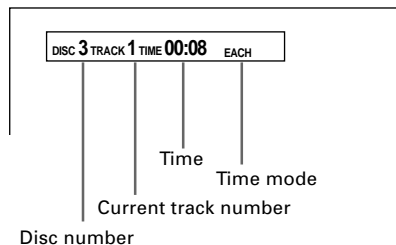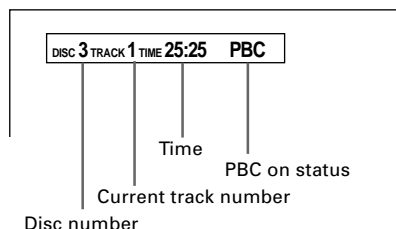
**2** To change the time display mode (only for Audio CD or Video CD without PBC), press DISPLAY - TIME while holding down SHIFT.

The time display mode cycles as below.

(for Audio CD)

**EACH**
**(current track elapsed time)**
↓
**EACH REMAIN**
**(current track remaining time)**
↓
**TOTAL**
**(disc elapsed time)**
↓
**TOTAL REMAIN**
**(disc remaining time)**

(for Video CD without PBC)

**EACH**
**(current track elapsed time)**
↓
**EACH REMAIN**
**(current track remaining time)**
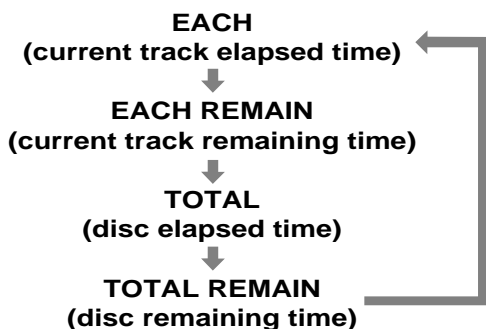
The selected time information is displayed on the TV screen, as well as in the front panel display window.

■ While stopped

You can check the total disc time and current (selected) track time of an Audio CD/Video CD only from the front panel display window.

**1** Press DISPLAY - TIME while holding down SHIFT.

When EACH and REMAIN are indicated, the current (selected) track time appears. When only REMAIN is indicated, the total disc time appears.

Hints

You can change the current (selected) track by pressing ⏮ or ⏭.

• **To turn off the disc/time display**
Press DISPLAY-TIME.

## To check the DVD function status



■ During DVD VIDEO playback
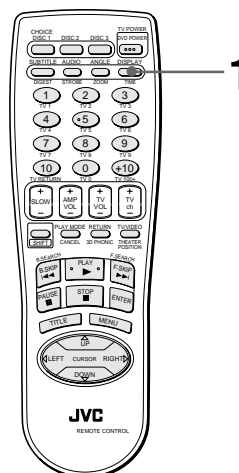
**1** Press DISPLAY – TIME.

The DVD function status display appears on the TV screen.
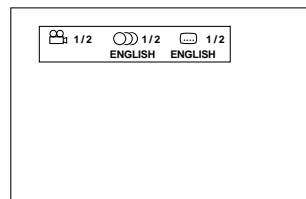
The current selections of the camera angle, audio language and subtitle language are displayed.

• **To turn off the DVD function status display**
Press DISPLAY-TIME twice.

## Selecting preferences

You can set various preferences for playback via four dedicated displays.

### How to set preferences

Note that you cannot bring up a preference display during playback or when an Audio CD is loaded in the currently selected tray.
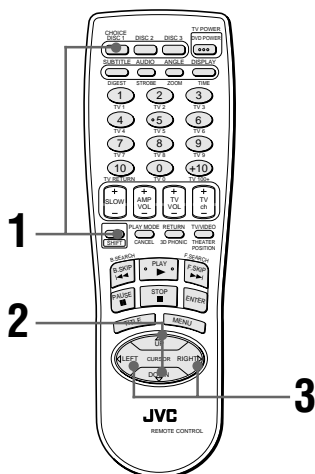


■ When no disc is inserted in the selected tray, or when a DVD VIDEO or Video CD is inserted in the selected tray and stopped

**1** Press DISC 1 - CHOICE while holding down SHIFT.

One of the preference pages appears on the TV screen.

There are four preference pages: LANGUAGE, AUDIO, DISPLAY and SYSTEM. To turn the page, move ◁ to the desired tab using CURSOR ◄/►.

**LANGUAGE**
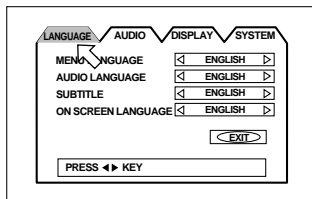


**AUDIO**
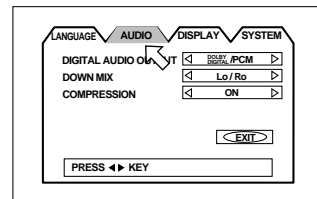


**DISPLAY**
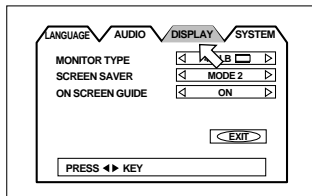


**SYSTEM**
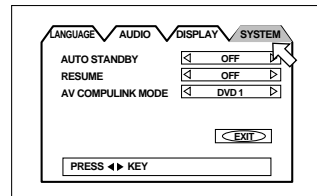


**2** Move ◁ to select the item you want to set by using CURSOR ▲/▼.
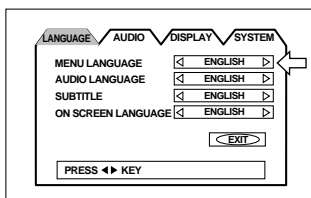


**3** Press CURSOR ◄/► to select the setting you want.

- To turn off the preference display, press DISC 1 - CHOICE while holding down SHIFT, or move ◁ to [EXIT] and press ENTER.
- For details about each setting, see the following paragraphs:

### LANGUAGE page

#### MENU LANGUAGE

You can select the default "display" language to be displayed if it is contained on the disc.

Each time you press CURSOR ►, the language setting changes in the following order:
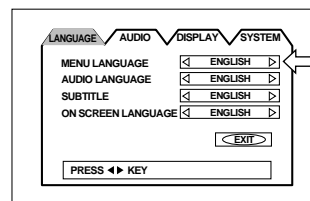


**ENGLISH → SPANISH → FRENCH → CHINESE → GERMAN → ITALIAN → JAPANESE → language code from AA to ZU**

(See "Table of languages and their abbreviations" at the end of this manual.)

Pressing CURSOR ◄ changes the language setting in the reverse order of the above.

* If the selected language is not recorded, the disc's default display language will be displayed.

#### AUDIO LANGUAGE

You can select the default audio language to be played if it is contained on the disc.

Each time you press CURSOR ►, the language setting changes in the following order:
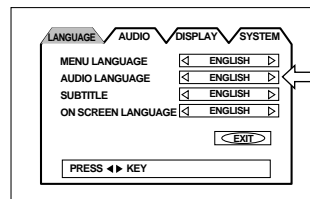


**ENGLISH → SPANISH → FRENCH → CHINESE → GERMAN → ITALIAN → JAPANESE → language code from AA to ZU**

(See "Table of languages and their abbreviations" at the end of this manual.)

Pressing CURSOR ◄ changes the language setting in the reverse order of the above.

* If the selected language is not recorded, the disc's default audio language will be played.

Initial settings

## SUBTITLE

You can select the default subtitle language to be displayed if it is contained on the disc.

Each time you press CURSOR ►, the language setting changes in the following order:

```
LANGUAGE  AUDIO  DISPLAY  SYSTEM
MENU LANGUAGE        ◁  ENGLISH  ▷
AUDIO LANGUAGE       ◁  ENGLISH  ▷
SUBTITLE             ◁  ENGLISH  ▷
ON SCREEN LANGUAGE   ◁  ENGLISH  ▷
                        EXIT
PRESS ◀▶ KEY
```
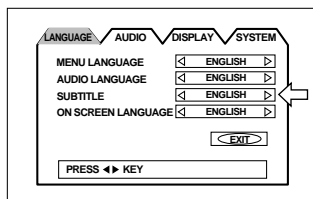
**ENGLISH → SPANISH → FRENCH → CHINESE → GERMAN → ITALIAN → JAPANESE → language code from AA to ZU**

(See "Table of languages and their abbreviations" at the end of this manual.)

Pressing CURSOR ◀ changes the language setting in the reverse order of the above.

\* If the selected language is not recorded, the disc's default subtitle language will be displayed.

## ON SCREEN LANGUAGE

You can select the on-screen display language to be displayed.

Each time you press CURSOR ►, the language setting changes as follows:

```
LANGUAGE  AUDIO  DISPLAY  SYSTEM
MENU LANGUAGE        ◁  ENGLISH  ▷
AUDIO LANGUAGE       ◁  ENGLISH  ▷
SUBTITLE             ◁  ENGLISH  ▷
ON SCREEN LANGUAGE   ◁  ENGLISH  ▷
                        EXIT
PRESS ◀▶ KEY
```

**ENGLISH**
↓
**ESPAÑOL (Spanish)**
↓
**FRANCAIS (French)**
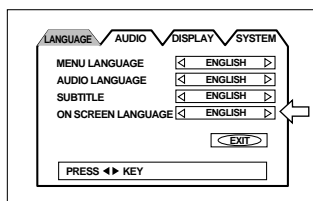
English    ON SCREEN LANGUAGE ◁ **ENGLISH** ▷

Spanish    IDIOMA EN PANTALLA ◁ **ESPAÑOL** ▷

French     LANGUE D'ECRAN ◁ **FRANCAIS** ▷

Pressing CURSOR ◀ changes the language setting in the reverse order of the above.

## AUDIO page

## DIGITAL AUDIO OUTPUT

To connect the unit's digital output to an external device equipped with a digital input, this item must be set correctly.

```
LANGUAGE  AUDIO  DISPLAY  SYSTEM
DIGITAL AUDIO OUTPUT ◁ DOLBY
                       DIGITAL /PCM ▷
DOWN MIX             ◁  Lo / Ro  ▷
COMPRESSION          ◁    ON     ▷
                        EXIT
PRESS ◀▶ KEY
```
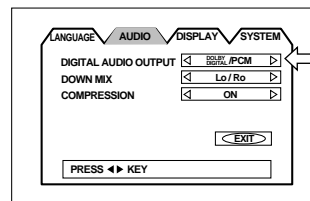
- **PCM ONLY:**
  When you connect the DIGITAL OUT jack of the unit to the linear PCM digital input of other audio equipment.

- **STREAM/PCM:**
  When you connect to the digital input of an amplifier to a built-in DTS, Dolby Digital, or MPEG multichannel decoder.

- **DOLBY DIGITAL/PCM:**
  When you connect to the digital input of a Dolby Digital decoder, or an amplifier with a built-in Dolby Digital decoder.

The following chart shows the relationship between types of playback discs and output signals.

| Playback discs | Output | | |
|---|---|---|---|
| | **STREAM/PCM** | **DOLBY DIGITAL/PCM** | **PCM ONLY** |
| DVD with 48-kHz, 16-bit linear PCM | 48-kHz, 16-bit linear PCM | ← | ← |
| DVD with 48-kHz, 20/24-bit linear PCM | 48-kHz, 20-bit linear PCM | ← | ← |
| DVD with 96-kHz, linear PCM | No output | ← | ← |
| DVD with DTS | DTS bitstream | No output | ← |
| DVD with Dolby Digital | Dolby Digital bitstream | ← | 48-kHz, 16-bit linear PCM |
| DVD with MPEG multichannel | MPEG bitstream | 48-kHz, 16-bit linear PCM | ← |
| Video CD | 44.1-kHz, 16-bit linear PCM | ← | ← |
| Audio CD | 44.1-kHz, 16-bit linear PCM | ← | ← |
| Audio CD with DTS | DTS bitstream | ← | ← |

**NOTES**

- **The unit does not provide the DTS decoding function.**
- **When playing a DVD VIDEO or Audio CD disc with DTS, use a DTS decoder to get correct signals from your speakers. Never use the unit's analog output jacks, which output incorrect signals that may damage your speakers.**

  **If you connect the analog outputs and digital outputs simultaneously, be sure to select the source of the amplifier correctly, or set the level control of the amplifier connected to the analog outputs to minimum.**

Initial settings

## DOWN MIX

To playback a DVD VIDEO disc recorded with surround multichannel audio correctly, the DOWN MIX setting must be properly made according to your audio system.
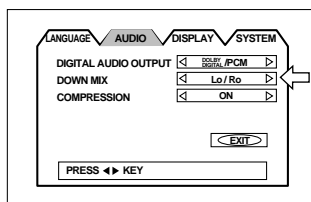
Note that this setting affects the output signal from the AUDIO (both DIGITAL and ANALOG) output jacks when playing back a DVD VIDEO disc recorded with surround multichannel audio.

• **Lt/Rt**

When you enjoy multichannel surround audio by connecting the unit's AUDIO output (normally, the DIGITAL output) to a surround decoder.

• **L0/R0**

When you enjoy conventional 2-channel stereo audio by connecting the unit's AUDIO output(s) to a stereo amplifier/receiver or television set, or when you duplicate audio of a DVD VIDEO disc recorded with surround audio to your MD, cassette, etc.

> **NOTE**
>
> **The Down mix function does not work when the 3D PHONIC function is activated.**

## COMPRESSION

You can compress the dynamic range of the sound if needed. Using this function, you can listen to sound at low volumes easily.
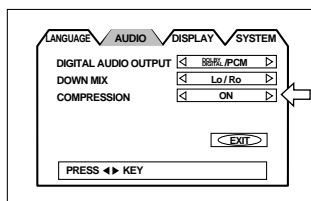
• **ON**

Audio is played back with the dynamic range compressed.

• **OFF**

Audio is played back as it was recorded.

> **NOTES**
>
> • **The Compression function works only when playing back a disc recorded with DOLBY DIGITAL 1CH or 2CH. The setting is not effective for other discs.**
>
> • **The Compression function does not work when the 3D PHONIC function is activated.**

## DISPLAY page

## MONITOR TYPE

You can select the monitor type to match your TV when you playback DVD VIDEO discs recorded for wide screen televisions.
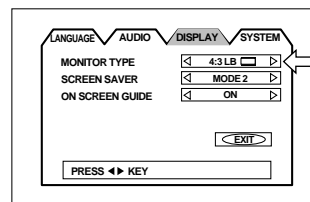
• **4:3 LB** ▭ (Letter Box Conversion)

When you connect a normal TV to the unit.

When you play a wide picture recorded on a DVD VIDEO disc, the picture is displayed with bands across the upper and lower portions of the screen.
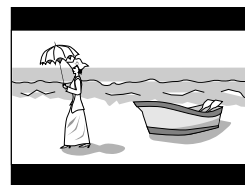
• **4:3 PS** ▭ (Pan Scan Conversion)

When you connect a normal TV to the unit.

When you play a wide picture recorded on a DVD VIDEO disc, a portion of the picture is automatically cut off from the left and right sides of the image.

Depending on the disc, it may not be possible to playback in this mode. In such a case, the picture is played back as in 4:3 LB ▭ mode.
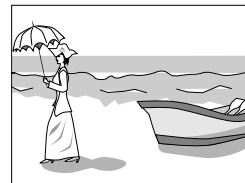
• **16:9 WIDE** (Wide Television screen)

When you connect a wide-screen TV to the unit.
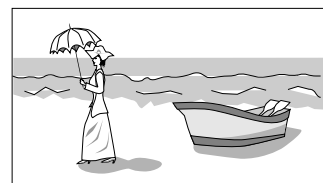
## SCREEN SAVER

A television monitor screen may be burned out if a static picture is displayed for a long time. To prevent this, the unit automatically activates the screen saver function if a static picture, such as an on-screen display or menu, is displayed for over 5 minutes.

• **MODE 1**

The current picture gets dark.

• **MODE 2**

The "screen saver" picture appears and its brightness changes.
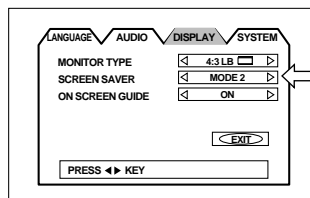
• **OFF**

The screen saver function is off.

> **NOTES**
>
> • **The monitor screen of a projector or projection TV is easily burned out if the screen saver mode is set to OFF and a static picture is displayed for a long time.**
>
> • **The screen saver function is not activated when the selected disc is an Audio CD.**

Initial settings

**38**

## ON SCREEN GUIDE

The unit can display "on-screen guide" icons or characters on the picture, which show what is happening to the disc or the unit.
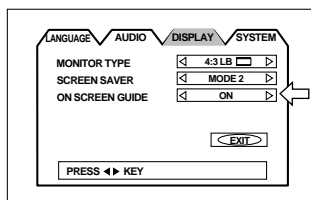


• **ON**

The on-screen guide will be displayed.

• **OFF**

The on-screen guide will not be displayed.

Examples of "on-screen guide" icons or characters:

# SYSTEM page

## AUTO STANDBY

When the unit is stopped for more than 30 minutes or 60 minutes, the unit enters standby mode automatically.
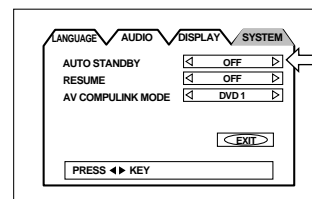


• **60**

Time is set to 60 minutes.

• **30**

Time is set to 30 minutes.

• **OFF**

The auto standby function is off.

## RESUME

You can select the resume function to be on or off. See page 20.
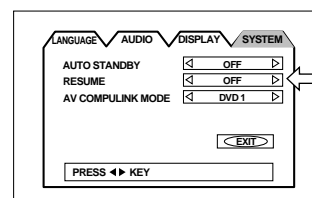


• **ON**

Pressing PLAY while stopped or on standby starts playback from the resume point if it is memorized.

• **OFF**

Pressing PLAY while stopped or on standby starts playback from the beginning of the disc.

## AV COMPULINK MODE

If you use the AV Compulink system, you must set this item correctly.
Select from the three options: "DVD1," "DVD2" and "DVD3" according to the equipment to be connected.
See page 42.
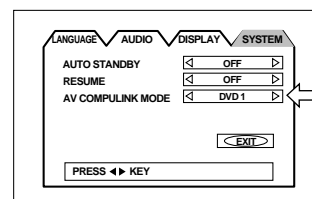
# Limiting playback by children

This function restricts playback of DVD VIDEO discs which contain violent (and other) scenes according to the level set by the user. For example, if a movie which includes violent scenes supports the parental lock feature, such scenes which you do not want to let children view can be cut or replaced with other scenes.

## To set Parental Lock for the first time [PARENTAL LOCK]
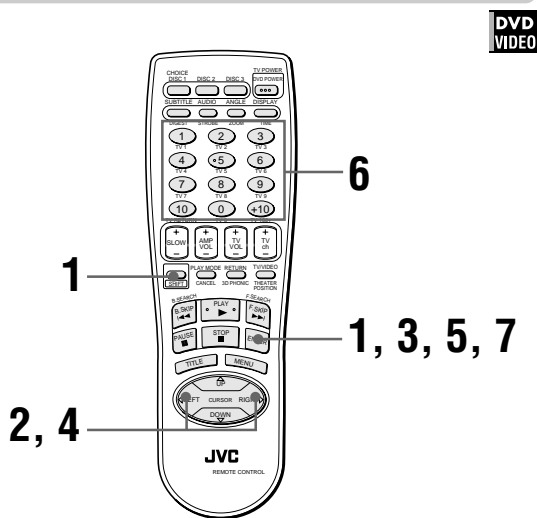
**DVD VIDEO**

■ While a DVD VIDEO disc is stopped or no disc is inserted

**1** Press ENTER while holding down SHIFT.

The Parental Lock on-screen display appears on the TV screen.

⇦ points [Country Code].

**2** While ⇦ points [Country Code], use CURSOR ◄/► to select the country code.

The country code whose standards were applied to rate the DVD VIDEO disc should be selected.

See "Appendix B: Country code list for parental lock."

```
┌─────────────────────────────┐
│  ⌂      PARENTAL LOCK        │
│                             │
│ Country Code   ◁   US   ▷ ⇦ │
│ Set Level      ◁   —    ▷   │
│ PASS WORD        ----       │
│                             │
│              ⊂ EXIT ⊃       │
│ PRESS ◄► KEY → ENTER        │
└─────────────────────────────┘
```
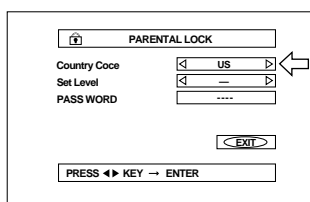
**3** Press ENTER.

⇦ moves to [Set Level].

**4** While ⇦ points [Set Level], use CURSOR ◄/► to select the parental lock level.

```
┌─────────────────────────────┐
│  ⌂      PARENTAL LOCK        │
│                             │
│ Country Code   ◁   US   ▷   │
│ Set Level      ◁   1    ▷ ⇦ │
│ PASS WORD        ----       │
│                             │
│              ⊂ EXIT ⊃       │
│ PRESS ◄► KEY → ENTER        │
└─────────────────────────────┘
```
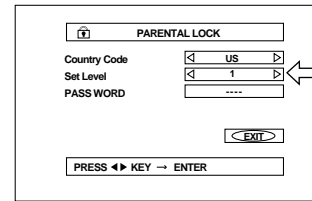
Each time you press CURSOR ◄/►, the parental level changes as follows:

```
1 ←────────┐
.          │
.          │
8          │
↓          │
— ─────────┘
```

**Hints**
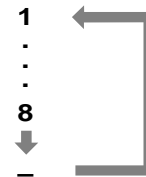
"1" is the strictest level. "−" means no restriction.
Discs rated higher than the selected level are restricted.

**5** Press ENTER.

⇦ moves to [PASSWORD].

**6** Enter your 4-digit password using the numeric buttons (0 to 9).

```
┌─────────────────────────────┐
│  ⌂      PARENTAL LOCK        │
│                             │
│ Country Code   ◁   US   ▷   │
│ Set Level      ◁   1    ▷   │
│ PASS WORD        ----     ⇦ │
│                             │
│              ⊂ EXIT ⊃       │
│ NEW PASSWORD? -- PRESS 0~9 KEY. │
└─────────────────────────────┘
```
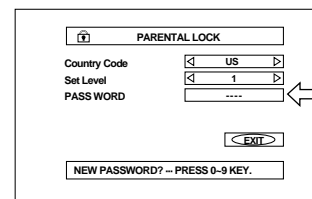
**7** Press ENTER.

The parental level and password are set.

⇦ moves to [EXIT].

Pressing ENTER again returns to the opening display.

**Hints**

If you enter an undesired password in step 6 above, reenter the password before pressing ENTER.

**Initial settings**

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## To change the settings [PARENTAL LOCK]

DVD
VIDEO

**2, 5**

**1**

**1, 2, 3, 4, 5**

**3, 4**
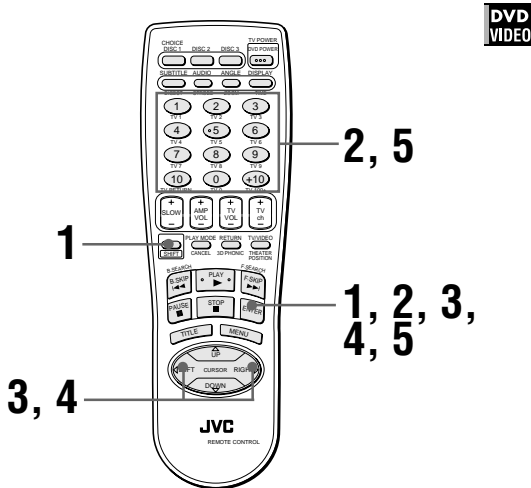
You can change the Parental lock settings later.

■ While a DVD VIDEO disc is stopped or no disc is inserted

**1** Press ENTER while holding down SHIFT.

The Parental Lock on-screen display appears on the TV screen.

⟨⟩ points [PASSWORD].

```
⌂        PARENTAL LOCK
Country Code      ◁    US    ▷
Set Level         ◁    1     ▷
PASS WORD             ----
                         ⟸
                    ⟨ EXIT ⟩
CURRENT PASSWORD? --- PRESS 0-9 KEY.
```
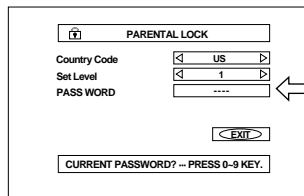
**2** Enter your current 4-digit password using the numeric buttons (0 to 9) and press ENTER.

⟨⟩ moves to [Country Code] if you enter the correct password.

If you enter the wrong password, "WRONG! RETRY……" appears on the TV screen, and you cannot go to next step.

**3** To change the country code, use CURSOR ◄/ ► to select the desired country code and press ENTER.

⟨⟩ moves to [Set Level].

When you change the country code, you must select the parental level.

**4** To change the set level, use CURSOR ◄/► to select the desired level while ⟨⟩ points [Set Level], and then press ENTER.

⟨⟩ moves to [PASSWORD].

**5** Enter the password using the numeric buttons (0 to 9) and press ENTER.

⟨⟩ moves to [EXIT].

The password entered in the above step becomes the new password. If you do not change the password, enter the same password as in the step 2.

Even if you want to change only the country code and/or parental level, do not forget to enter the password after changing the country code and/or parental level. Otherwise, the new country code and/or parental level will not become effective.

Pressing ENTER again returns to the opening display.

**NOTES**

• **When you enter the wrong password more than 3 times in step 2 above, ⟨⟩ moves to [EXIT] automatically and CURSOR ▲/▼ does not work.**

• **If you forget your password in step 2:**
  Enter "8888."

## To temporarily release the Parental lock [PARENTAL LOCK]

DVD
VIDEO

**2**

**1**
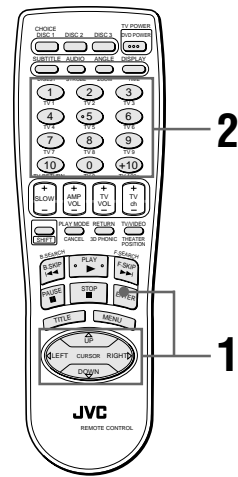
When you set the parental level strictly, some discs may not be played back at all. When you insert such a disc and try to play it, the following Parental Lock on-screen display appears on the TV screen, asking you whether you want the parental lock to be temporarily released or not.

**1** Use the CURSOR ▲/▼ to move ⟨⟩ to [YES], then press ENTER.

⟨⟩ moves to the PASSWORD field.

When selecting [NO], press OPEN/ CLOSE to remove the disc.

```
⌂ PARENTAL LOCK
This DISC can't play now!
Temporary              YES
Level Change ?         NO
PASSWORD              ----
PRESS ENTER ➡ EXECUTE
```
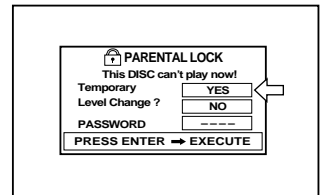
**2** Enter your 4-digit password using the numeric buttons (0 to 9).

If you enter the wrong password, "WRONG! RETRY…" appears on the TV screen, and you cannot go to next step.

The Parental lock is released, and the unit starts playback.

**NOTE**

• **When you enter the wrong password more than 3 times in step 2 above, ⟨⟩ moves to [NO] automatically and CURSOR ▲/▼ do not work.**

Initial settings

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# Additional information

## AV COMPU LINK remote control system

When you buy a separate TV, VCR, DVD player, receiver, or other component and connect them to each other, you have to operate each component individually. JVC's AV COMPU LINK remote control system meets the demands of a system made up of single components and has the ease of operation of a single unit.

**AV COMPU LINK**

### Connection and setup

Using the AV COMPU LINK cable, connect the AV COMPU LINK terminals of each component to one another.

To AV COMPU LINK (II or EX)

TV
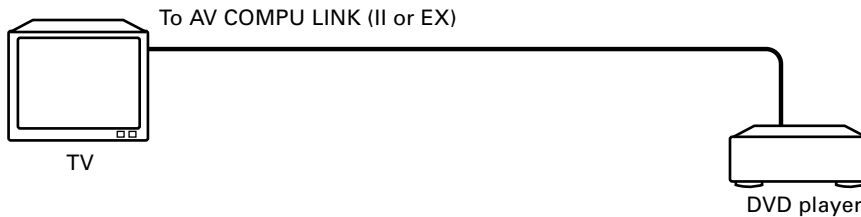
DVD player

- If you connect a DVD player to a television via AV COMPU LINK, set the DVD player's AV COMPU LINK setting as follows.

    - When connecting to VIDEO-1 input terminal of the television: DVD2
    - When connecting to VIDEO-2 input terminal of the television: DVD3

To AV COMPU LINK (II or EX)

To AV COMPU LINK

TV

DVD player

VCR (Video Cassette Recorder)
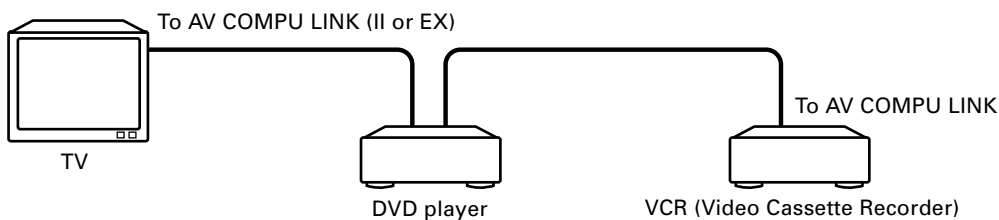
- If you connect a DVD player to a television and VCR via AV COMPU LINK, set the VCR's Remote Control Code and DVD player's AV COMPU LINK setting as follows.

    - When connecting to VIDEO-1 input terminal of the television:
      DVD player's AV COMPU LINK setting: DVD2
      VCR's Remote Control Code: B
    - When connecting to VIDEO-2 input terminal of the television:
      DVD player's AV COMPU LINK setting: DVD3
      VCR's Remote Control Code: A

To AV COMPU LINK (II or EX)

TV

Receiver
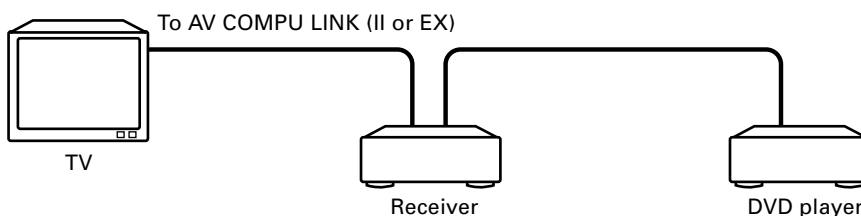
DVD player

- If you connect a DVD player to a television and receiver via AV COMPU LINK, set the DVD player's AV COMPU LINK setting to DVD1.

    - The DVD player's AV COMPU LINK setting is operated in the SYSTEM page of the preference display. See page 38 for operation.
    - For information on the connection between the TV and the Receiver, refer to the Receiver's Instructions.

---

**IMPORTANT!**

If you connect the component video output to your TV:
- set the DVD player's AV COMPULINK setting to DVD1.
- make the video/audio connection between the DVD player and your receiver using the supplied audio/video cable, and do not make the S-VIDEO connection.

---

---

┌─ **Notes for connection** ─────────────────────────────────────────────────────┐

- **If you connect a DVD player to a receiver via AV COMPU LINK in a system including a Dolby digital decoder, some functions may not be performed automatically.**

- **The AV COMPU LINK terminal on some televisions indicates "II." Do not connect the terminal indicating "II" with the AV COMPU LINK terminal on a receiver. If connected, the system will not work correctly.**

- **Connect the AUDIO OUT jacks of the DVD player to the audio input jacks of a receiver that indicating "DVD." Otherwise, the system will not work correctly.**

- **There may be no description about connections to a DVD player in the instruction manual of a television or VCR. However a television or VCR with AV COMPU LINK terminals indicating "II" or "EX" can be connected to a DVD player.**

└────────────────────────────────────────────────────────────────────────────────┘

## Operation

You can enjoy pictures and/or sound by just putting a source component (which plays back the pictures and/or sound such as a DVD player or VCR) into play mode. You do not have to operate the TV and receiver including not having to perform power switching.

**1** Turn on the main power of the television.

**2** Insert a disc into the source component.

**3** Press PLAY of the source component.

The following actions are performed automatically:
- Turning on the power for the television.
- Setting the source of the television to the external input (VIDEO-1 or VIDEO-2).
- Turning on the power for the receiver.
- Setting the source of the receiver to the component which has started playback.

# Care and handling of discs

### How to handle discs

When handling a disc, do not touch the surface of the disc. Since discs are made of plastic, they are easily damaged. If a disc gets dirty, dusty, scratched or warped, the images and sound will not be picked up correctly, and such a disc may cause the player to malfunction.
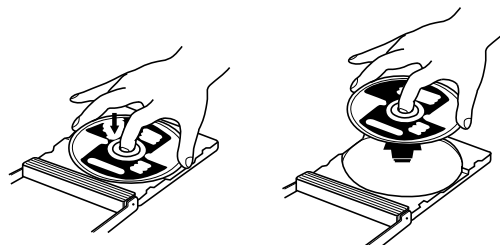
### Label side

Do not damage the label side, stick paper to or use any adhesive on its surface.

### Storage

Make sure that discs are kept in their cases. If discs are piled on top of one another without their protective cases, they can be damaged. Do not put discs in a location where they may be exposed to direct sunlight, or in a place where the humidity or temperature is high. Avoid leaving discs in your car!

### Maintenance of discs

If there are fingerprints or other dirt adhering to a disc, wipe with a soft dry cloth, moving from the center outwards. If a disc is difficult to clean, wipe with a cloth moistened with water. Never use record cleaners, petrol, alcohol or any anti-static agents.

┌─ **CAUTION** ──────────────────────────────────────────────────────────────────┐

Sometimes during play noise or images may be garbled. This is sometimes due to the disc. (It may not be up to industry standards.)

These symptoms are caused by the discs, not by the malfunction of the unit.

└────────────────────────────────────────────────────────────────────────────────┘

**Additional information**

# Troubleshooting

What appears to be a malfunction may not always be serious. Please go through the following list before requesting service.

| Symptom | Possible case | Remedy |
|---|---|---|
| Power does not come on. | Power plug is not inserted securely. | Plug in securely. |
| Remote control does not work. | Too far from the unit. | More closer to the unit. |
| | The tip of the remote unit is not pointed in the right direction. | Point the infrared light- emitting window toward the remote sensor on the front panel. |
| | Batteries are exhausted. | Replace the batteries with new ones. |
| | Battery polarity is incorrect. | Take out the batteries and insert them again in the correct direction. |
| No picture is displayed on the monitor. | Connection of video cable is incorrect. | Connect the cable correctly. |
| | Input selection of TV is incorrect. | Select correctly. |
| | Disc is not playable. | Use a playable disc. (See page 11.) |
| Picture is noisy. | The unit is connected to a VCR directly and the copyguard function is activated. | Connect the unit so that the picture signal flows directly to the TV. |
| No audio is reproduced. | Connection is incorrect. | Check the connections. |
| | Input selection of amplifier is incorrect. | Select correctly. |
| No audio is reproduced when playing back a DVD disc recorded with 96-kHz, linear PCM audio. | The audio signal is derived from the unit's DIGITAL OUT. | Use the AUDIO OUT when playing back such discs. |
| Sound is distorted or noise is generated. | Disc is dirty. | Wipe the disc surface. |
| Picture does not fit the television screen. | MONITOR TYPE is not correctly set. | Select monitor type correctly. (See page 38.) |
| | Television is not correctly set. | Set the television correctly. |
| Operation is not possible. | Microcomputer malfunction due to lightning or static electricity. | Turn off the power and unplug the power cord, then connect the power cord again. |
| | Moisture condensation caused by a sudden change of temperature or humidity. | Turn off the power, then turn it on a few hours later. |

**Additional information**

# Specifications

## General

Readable discs:                     DVD VIDEO, Audio CD, Video CD
Video format:                       NTSC

## Other

Power requirements:                 AC 120V ∼ , 60Hz
Power consumption:                  18 W (POWER ON), 2.6 W (STANDBY mode)
Mass:                               5.1 kg (11.3 lbs)
Dimensions (W x H x D):             435 mm x 126.5 mm x 324.6 mm
                                    (17-3/16 inch x 5 inch x 12-13/16 inch)

## Video output

COMPONENT (pin jacks):    Y Output:          1.0 Vp-p (75 Ω)
                          $P_B/P_R$ Output:  0.7 Vp-p (75 Ω)
VIDEO OUT (pin jack):     1.0 Vp-p (75 Ω)
S-VIDEO OUT (S jack):     Y Output:          1.0 Vp-p (75 Ω)
                          C Output:          286 mVp-p (75 Ω)
Horizontal resolution:    500 Lines
Signal to noise ratio:    65 dB

## Audio output

ANALOG OUT (pin jack):    2.0 Vrms (10 kΩ)
DIGITAL OUT (COAXIAL):    0.5 Vp-p (75 Ω termination)
            (OPTICAL):    – 21 to –15 dBm (Peak)

## Audio characteristics

Frequency response:       CD     (sampling frequency 44.1 kHz):   2 Hz to 20 kHz
                          DVD    (sampling frequency 48 kHz):     2 Hz to 22 kHz
                          DVD    (sampling frequency 96 kHz):     2 Hz to 44 kHz
Dynamic range:            16 bit: More than 98 dB
                          20 bit: More than 106 dB
                          24 bit: More than 106 dB
Wow and flutter:          Unmeasurable (less than ± 0.002%)
Total harmonic distortion: Less than 0.002%

* Specifications and appearance subject to change without prior notice.

# Appendix A:  Table of languages and their abbreviations

When you select the subtitle language or sound, the languages shown below are displayed as abbreviations.  To select the desired language, select the abbreviation corresponding the language you want to.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AA | Afar | FA | Persian | KM | Cambodian | OM | (Afan) Oromo | SU | Sundanese |
| AB | Abkhazian | FI | Finnish | KN | Kannada | OR | Oriya | SV | Swedish |
| AF | Afrikaans | FJ | Fiji | KO | Korean (KOR) | PA | Panjabi | SW | Swahili |
| AM | Ameharic | FO | Faroese | KS | Kashmiri | PL | Polish | TA | Tamil |
| AR | Arabic | FY | Frisian | KU | Kurdish | PS | Pashto, Pushto | TE | Telugu |
| AS | Assamese | GA | Irish | KY | Kirghiz | PT | Portuguese | TG | Tajik |
| AY | Aymara | GD | Scots Gaelic | LA | Latin | QU | Quechua | TH | Thai |
| AZ | Azerbaijani | GL | Galician | LN | Lingala | RM | Rhaeto-Romance | TI | Tigrinya |
| BA | Bashkir | GN | Guarani | LO | Laothian | RN | Kirundi | TK | Turkmen |
| BE | Byelorussian | GU | Gujarati | LT | Lithuanian | RO | Rumanian | TL | Tagalog |
| BG | Bulgarian | HA | Hausa | LV | Latvian, Lettish | RU | Russian | TN | Setswana |
| BH | Bihari | HI | Hindi | MG | Malagasy | RW | Kinyarwanda | TO | Tonga |
| BI | Bislama | HR | Croatian | MI | Maori | SA | Sanskrit | TR | Turkish |
| BN | Bengali, Bangla | HU | Hungarian | MK | Macedonian | SD | Sindhi | TS | Tsonga |
| BO | Tibetan | HY | Armenian | ML | Malayalam | SG | Sangho | TT | Tatar |
| BR | Breton | IA | Interlingua | MN | Mongolian | SH | Serbo-Croatian | TW | Twi |
| CA | Catalan | IE | Interlingue | MO | Moldavian | SI | Singhalese | UK | Ukrainian |
| CO | Corsican | IK | Inupiak | MR | Marathi | SK | Slovak | UR | Urdu |
| CS | Czech | IN | Indonesian | MS | Malay (MAY) | SL | Slovenian | UZ | Uzbek |
| CY | Welsh | IS | Icelandic | MT | Maltese | SM | Samoan | VI | Vietnamese |
| DA | Danish | IW | Hebrew | MY | Burmese | SN | Shona | VO | Volapuk |
| DZ | Bhutani | JI | Yiddish | NA | Nauru | SO | Somali | WO | Wolof |
| EL | Greek | JW | Javanese | NE | Nepali | SQ | Albanian | XH | Xhosa |
| EO | Esperanto | KA | Georgian | NL | Dutch | SR | Serbian | YO | Yoruba |
| ET | Estonian | KK | Kazakh | NO | Norwegian | SS | Siswati | ZU | Zulu |
| EU | Basque | KL | Greenlandic | OC | Occitan | ST | Sesotho | | |

# Appendix B: Country code list for parental lock

This list is used for the parental Lock operation. For details, see page 40.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|
| AD | Andorra | ES | Spain | LB | Lebanon | SA | Saudi Arabia |
| AE | United Arab Emirates | ET | Ethiopia | LC | Saint Lucia | SB | Solomon Islands |
| AF | Afghanistan | FI | Finland | LI | Liechtenstein | SC | Seychelles |
| AG | Antigua and Barbuda | FJ | Fiji | LK | Sri Lanka | SD | Sudan |
| AI | Anguilla | FK | Falkland Islands (Malvinas) | LR | Liberia | SE | Sweden |
| AL | Albania | | | LS | Lesotho | SG | Singapore |
| AM | Armenia | FM | Micronesia (Federated States of) | LT | Lithuania | SH | Saint Helena |
| AN | Netherlands Antilles | | | LU | Luxembourg | SI | Slovenia |
| AO | Angola | FO | Faroe Islands | LV | Latvia | SJ | Svalbard and Jan Mayen |
| AQ | Antarctica | FR | France | LY | Libyan Arab Jamahiriya | SK | Slovakia |
| AR | Argentina | FX | France, Metropolitan | MA | Morocco | SL | Sierra Leone |
| AS | American Samoa | GA | Gabon | MC | Monaco | SM | San Marino |
| AT | Austria | GB | United Kingdom | MD | Moldova, Republic of | SN | Senegal |
| AU | Australia | GD | Grenada | MG | Madagascar | SO | Somalia |
| AW | Aruba | GE | Georgia | MH | Marshall Islands | SR | Suriname |
| AZ | Azerbaijan | GF | French Guiana | ML | Mali | ST | Sao Tome and Principe |
| BA | Bosnia and Herzegovina | GH | Ghana | MM | Myanmar | SV | El Salvador |
| BB | Barbados | GI | Gibraltar | MN | Mongolia | SY | Syrian Arab Republic |
| BD | Bangladesh | GL | Greenland | MO | Macau | SZ | Swaziland |
| BE | Belgium | GM | Gambia | MP | Northern Mariana Islands | TC | Turks and Caicos Islands |
| BF | Burkina Faso | GN | Guinea | | | TD | Chad |
| BG | Bulgaria | GP | Guadeloupe | MQ | Martinique | TF | French Southern Territories |
| BH | Bahrain | GQ | Equatorial Guinea | MR | Mauritania | | |
| BI | Burundi | GR | Greece | MS | Montserrat | TG | Togo |
| BJ | Benin | GS | South Georgia and the South Sandwich Islands | MT | Malta | TH | Thailand |
| BM | Bermuda | | | MU | Mauritius | TJ | Tajikistan |
| BN | Brunei Darussalam | GT | Guatemala | MV | Maldives | TK | Tokelau |
| BO | Bolivia | GU | Guam | MW | Malawi | TM | Turkmenistan |
| BR | Brazil | GW | Guinea-Bissau | MX | Mexico | TN | Tunisia |
| BS | Bahamas | GY | Guyana | MY | Malaysia | TO | Tonga |
| BT | Bhutan | HK | Hong Kong | MZ | Mozambique | TP | East Timor |
| BV | Bouvet Island | HM | Heard Island and McDonald Islands | NA | Namibia | TR | Turkey |
| BW | Botswana | | | NC | New Caledonia | TT | Trinidad and Tobago |
| BY | Belarus | HN | Honduras | NE | Niger | TV | Tuvalu |
| BZ | Belize | HR | Croatia | NF | Norfolk Island | TW | Taiwan, Province of China |
| CA | Canada | HT | Haiti | NG | Nigeria | | |
| CC | Cocos (Keeling) Islands | HU | Hungary | NI | Nicaragua | TZ | Tanzania, United Republic of |
| CF | Central African Republic | ID | Indonesia | NL | Netherlands | | |
| CG | Congo | IE | Ireland | NO | Norway | UA | Ukraine |
| CH | Switzerland | IL | Israel | NP | Nepal | UG | Uganda |
| CI | Côte d'Ivoire | IN | India | NR | Nauru | UM | United States Minor Outlying Islands |
| CK | Cook Islands | IO | British Indian Ocean Territory | NU | Niue | | |
| CL | Chile | | | NZ | New Zealand | US | United States |
| CM | Cameroon | IQ | Iraq | OM | Oman | UY | Uruguay |
| CN | China | IR | Iran (Islamic Republic of) | PA | Panama | UZ | Uzbekistan |
| CO | Colombia | IS | Iceland | PE | Peru | VA | Vatican City State (Holy See) |
| CR | Costa Rica | IT | Italy | PF | French Polynesia | | |
| CU | Cuba | JM | Jamaica | PG | Papua New Guinea | VC | Saint Vincent and the Grenadines |
| CV | Cape Verde | JO | Jordan | PH | Philippines | | |
| CX | Christmas Island | JP | Japan | PK | Pakistan | VE | Venezuela |
| CY | Cyprus | KE | Kenya | PL | Poland | VG | Virgin Islands (British) |
| CZ | Czech Republic | KG | Kyrgyzstan | PM | Saint Pierre and Miquelon | VI | Virgin Islands (U.S.) |
| DE | Germany | KH | Cambodia | | | VN | Vietnam |
| DJ | Djibouti | KI | Kiribati | PN | Pitcairn | VU | Vanuatu |
| DK | Denmark | KM | Comoros | PR | Puerto Rico | WF | Wallis and Futuna Islands |
| DM | Dominica | KN | Saint Kitts and Nevis | PT | Portugal | | |
| DO | Dominican Republic | KP | Korea, Democratic People's Republic of | PW | Palau | WS | Samoa |
| DZ | Algeria | | | PY | Paraguay | YE | Yemen |
| EC | Ecuador | KR | Korea, Republic of | QA | Qatar | YT | Mayotte |
| EE | Estonia | KW | Kuwait | RE | Réunion | YU | Yugoslavia |
| EG | Egypt | KY | Cayman Islands | RO | Romania | ZA | South Africa |
| EH | Western Sahara | KZ | Kazakhstan | RU | Russian Federation | ZM | Zambia |
| ER | Eritrea | LA | Lao People's Democratic Republic | RW | Rwanda | ZR | Zaire |
| | | | | | | ZW | Zimbabwe |

QUALITY **JVC** SERVICE

# *HOW TO LOCATE YOUR JVC SERVICE CENTER*

**TOLL FREE : 1-800-537-5722**
**http://www.jvcservice.com**

Dear customer:
In order to receive the most satisfaction from your purchase, read the instruction booklet before operating the unit. In the event that repair is necessary, or for the address nearest your location, please refer to the factory service center list below or within the Continental United States, Call 1-800-537-5722 for your authorized servicer. Remember to retain you Bill of Sale for Warranty Service.

*—JVC*

**JVC SERVICE & ENGINEERING**
**COMPANY OF AMERICA**
DIVISION OF JVC AMERICAS CORP.

FACTORY SERVICE CENTER LOCATIONS

10 New Maple Avenue
Pine Brook, NJ 07058-9641
(973)396-1000

1500 Lakes Parkway
Lawrenceville, GA 30243-5857
(770) 339-2582

705 Enterprise Street
Aurora, IL 60504-8149
(630) 851-7855

5665 Corporate Avenue
Cypress, CA 90630-0024
(714) 229-8011

2969 Mapunapuna Place
Honolulu, HI 96819-2040
(808) 833-5828

10700 Hammerly, Suite 110
Houston, TX 77043
(713) 935-9331

13 Cummings Park
Woburn, MA 01801
(781)376-9100

8192 State Road 84
Davie, FL 33324
(954) 472-1960

890 Dubuque Avenue
South San Francisco, CA 94080-1804
(650) 871-2666

Sophisticated electronic products may require occasional service. Just as quality is a keyword in the engineering and production of the wide array of JVC products, service is the key to maintaining the high level of performance for which JVC is world famous. The JVC service and engineering organization stands behind our products.

NATIONAL HEADQUARTERS
JVC SERVICE & ENGINEERING COMPANY OF AMERICA
DIVISION OF JVC AMRICAS CORP.
1700 Valley Road
Wayne, NJ 07470

**If you ship the product • • •**

Pack your JVC unit in the original carton or one of equivalent size and strength. Enclose, with the unit, a letter stating the problem or symptom that exists and also a copy of the receipt or bill of sale you received when you purchased your JVC unit. Print your home return address on the outside and the inside of the carton. Send to the appropriate JVC Factory Service Center as listed above.

**Don't service it yourself.**

**CAUTION**

To prevent electrical shock, do not open the cabinet. No user serviceable parts inside.
Refer servicing to qualified service personnel.

**ACCESSORIES**
To purchase accessories for your JVC product, you may contact your local JVC Dealer.
Or from the 48 Continental United States call toll free : 800-882-2345

# JVC LIMITED WARRANTY CONSUMER VIDEO 1-90

JVC COMPANY OF AMERICA warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL PURCHASER AT RETAIL to be FREE FROM DEFECTIVE MATERIAL AND WORKMANSHIP from the date of original retail purchase for the period as shown below. ("The Warranty Period.")

| PARTS | LABOR |
|-------|-------|
| 1 YR | 90 DAYS |

THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY(50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN COMMONWEALTH OF PUERTO RICO.

**WHAT WE WILL DO:**
If this product is found to be defective, JVC will repair or replace defective parts at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during normal business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products and parts thereof may be brought to a JVC authorized service center on a carry-in basis except for Television sets having a screen size 25 inches and above which are covered on an in-home basis.

**WHAT YOU MUST DO FOR WARRANTY SERVICE:**
Return your product to a JVC authorized service center with a copy of your bill of sale. For your nearest JVC authorized service center, please call toll free: (800)537-5722.
If service is not available locally, box the product carefully, preferably in the original carton, and ship, insured, with a copy of your bill of sale plus and letter of explanation of the problem to the nearest JVC Factory Service Center, the name and location of which will be given to you by the toll-free number.
If you have any questions concerning your JVC Product, please contact our Customer Relations Department.

**WHAT IS NOT COVERED:**
This limited warranty provided by JVC does not cover:
1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model number or serial number has been altered, tampered with, defaced or removed;

2. Initial installation and installation and removal for repair;

3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;

4. Damage that occurs in shipment, due to act of God, and cosmetic damage;

5. Signal reception problems and failures due to line power surge;

6. Video Pick-up Tubes/CCD Image Sensor, Cartridge, Stylus(Needle) are covered for 90 days from the date of purchase;

7. Accessories;

8. Batteries (except the Rechargeable Batteries are covered for 90 days from the date of purchase);

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MARCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR THE LOSS OF USE THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long an implied warranty last, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

JVC COMPANY OF AMERICA          1700 Valley Road
DIVISION OF JVC AMERICAS CORP.   Wayne, NJ 07470

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAILS OF REFURBISHED PRODUCT WARRANTY, PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.
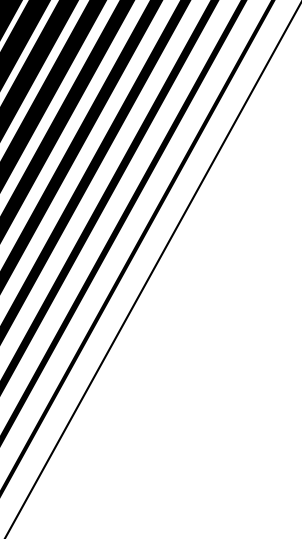
For customer use:

Enter below the Model No. and Serial No. which is located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No.: _____     Serial No.: _____

Purchase date: _____     Name of dealer: _____

# JVC

**VICTOR COMPANY OF JAPAN, LIMITED**