INSTRUCTIONS DIGITAL QUIT DIGITAL QUE VIDEO

AV COMPU LINK

©2005 Victor Company of Japan, Limited

GNT0061-001A[US] 0305MOC-MW-SC

Region code of DVD VIDEO

This player can play back DVD VIDEO discs whose region code numbers include "1.







The player's region code is printed on the rear of Note of Color system format

This player accommodates the NTSC system, and also can play back discs recorded with PAI system. (PAL video signals are converted to an NTSC signal and output.)

Supplied accessories

- If anything is missing, consult your dealer
- Audio/video cable (Yellow/White/Red) (x 1) Remote control (x 1)
- R6(SUM-3)/AA(15F) battery (x 2)
- Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories
- "DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

Turning on the power

Inserting the AC power plug

AC power plug to the wall outlet firmly.

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

For customer use

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

After all other connections have been made, insert the

Open the compartment cover, and place the two

inside the compartment. Then replace the cover.

supplied R6(SUM-3)/AA(15F) batteries in the remote

control according to the polarity markings ("+" and "-")

The batteries will last about six months with normal use

Observe the following precautions for the safe use of

batteries. If they are used improperly their lives will be

shortened, they may burst or their contents may leak.

Remove the batteries from the remote control if it is

• Never leave dead batteries lying around, take them

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

• Do not mix new and old batteries, or batteries of

different types, when placing them.

Turning on and off the player

apart, mix them with other refuse, or throw them into

not going to be used for a long period of time.

Remove dead batteries and dispose of them

If the functions of the remote control become erratic.

Precautions of the safe use of batteries

replace the batteries.

properly.

an incinerator.

Press U/ISTANDBY/ON:

Warnings, Cautions and Others





The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral

triangle is intended to alert the user to the

presence of important operating and



maintenance (servicing) instructions in the literature accompanying the appliance WARNING: TO REDUCE THE RISK OF FIRE OR FLECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

For U.S.A

This equipment has been tested and found to comply vith the limits for a Class B digital device, pursuant to part 15 of the FCC Rules These limits are designed to provide reasonable

protection against harmful interference in a residential nstallation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is

connected Consult the dealer or an experienced radio/TV technician for help

For Canada

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT

For Canada

THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS B LIMITS FOR RADIO NOISE EMISSIONS FORM DIGITAL APPARATUS AS SET OUT IN THE INTERFERENCE-CAUSING EQUIPMENT STANDARD ENTITLED "DIGITAL APPARATUS," ICES-003 OF THE DEPARTMENT OF COMMUNICATIONS.

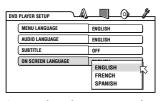
purchase, the following message appears on the TV

SETTING Installing the batteries in the remote control

Initial setup

YES - PRESS ENTER NO - PRESS CANCEL

Before enjoying this player, make the initial settings as follows:



MONITOR TYPE	16:9	_
PICTURE SOURCE	4:3 LB	٦
SCREEN SAVER	4:3 PS	_₩
BACKGROUND	STANDARD	

- "4:3 PS." (See "MONITOR TYPE" in "Initial
- For a wide-screen TV, select "16:9."

DIGITAL AUDIO OUTPUT	2011 011111
ANALOG DOWNMIX	PCM ONLY DOLBY DIGITAL/PCM
D.RANGE CONTROL	STREAM/PCM
OUTPUT LEVEL	STANDARD

4 Press ▲/▼ to select a desired digital output signal type, then press ENTER.

receiver or decoder (If you do not connect the player to such a device,

- press ENTER to finish the setting.) Receiver/decoder bearing Dolby Digital logo and
- Receiver/decoder bearing both Dolby Digital and DTS logos, select "STREAM/PCM."
- Receiver/decoder bearing neither Dolby Digital nor DTS logo, or digital recorder, select "PCM ONLY."

To bring up the DVD PLAYER SETUP display later SETUP display appears.

5

To reduce the risk of electrical shocks, fire, etc.: 1. Do not remove screws, covers or cabinet.

2. Do not expose this appliance to rain or moisture.

Caution — O/I STANDBY/ON button! Disconnect the mains plug to shut the power off completely. The ம/I STANDBY/ON button in any position does not disconnect the mains line. The power

n be remote controlled. CAUTION

HIS PRODUCT USES A LASER SYSTEM. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS ADIATION EXPOSURE DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF REFER SERVICING TO QUALIFIED PERSONNEL

CLASS 1 LASER PRODUCT REPRODUCTION OF LABELS WARNING LABEL INSIDE OF THE UNIT

> CAUTION - VISIBLE OR INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.
>
> ATTENTION -RAYONNEMENT LASER VISIBLE OU INVISIBLE EN CAS D'OUVERTURE
> NE PAS REGARDER DANS LE FAISCEAU.
>
> LP41077-002

CAUTION:

• Do not block the ventilation openings or holes. (If the ventilation openings or holes are blocked by a newspaper

- Do not place any naked flame sources, such as lighted candles, on the apparatus.
- When discarding batteries, environmental problems must be considered and local rules or laws governing

or cloth, etc., the heat may not be able to get out.)

• Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

the disposal of these batteries must be followed strictly.

Precautions

Notes on the power cord

- When you are away on travel or otherwise for an extended period of time, remove the plug from the wall outlet. A small amount of power (1.0 W) 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. • Do not handle the power cord with wet hands!
- Disconnect the power cord before cleaning the
- player or moving the player
- Do not alter, twist or pull the power cord, or put anything heavy on it, which may cause fire, electric shock, or other accidents.
- If the cord is damaged, consult a dealer and have the power cord replaced with a new one Avoid moisture, water, dust, and high temperatures

Do not place the player in moist or dusty places.

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

Turning on and off the player

Notes on installation

- 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 player and the TV.
- Do not install the player in a place subject to vibrations. Do not put heavy objects on the player
- To prevent malfunction of the player
- There are no user-serviceable parts inside. If anything goes wrong, unplug the power cord and consult your dealer
- Do not insert any metallic objects, such as wires.

Do not block the vents. Blocking the vents may.

hairpins, coins, etc. into the player.

damage the player.

To clean the cabinet Use a soft cloth. 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.

Playable discs

• DVD VIDEO, Audio CD, Video CD, SVCD



- CD-R/RW written in the SVCD, Video CD or Audio CD
- CD-R/RW written in MP3/JPEG in accordance with the "ISO 9660" format

Supported Digital audio formats: Linear PCM, Dolby Digital, DTS (Digital Theater Systems)*

- If a disc gets dirty, scratched or warped, or due to the disc characteristics or recording conditions, the player may not be able to play back such discs.
- The player can play back audio signals recorded in MIX-MODE CD, CD-G, CD-EXTRA and CD TEXT. With some discs, operations may not be possible
- To play back DTS-encoded DVD VIDEO or DTSencoded Audio CD discs correctly, connect the player to an amplifier with a built-in DTS decoder. Otherwise, playback sound will be distorted.

Unplayable discs If you try to play back discs listed below, noise may be

- generated and causes damage to speakers. DVD-RW written in the VR format
- DVD-ROM, DVD-RAM, DVD AUDIO, CD-ROM, PHOTO CD, SACD
- Unfinalized discs
- Discs of irregular shape or discs with tape, seals or paste on either the label side or playback side. Playing back these discs may damage the player.

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

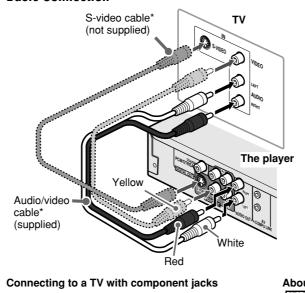
Connections

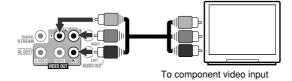
Before making connections:

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

• Connect VIDEO OUT of the player directly to the video input of your TV. Connecting VIDEO OUT of the player to a TV via a VCR/an integrated TV/Video system may cause a monitor problem.

Basic Connection





To switch the scanning mode between Progressive and Interlace, press and hold VFP-I/P on the remote control for a few seconds. NOTES

• Connect "Y" to "Y," "PB" to "PB(CB)," "PR" to "PR(CR)" correctly.

Buttons To do

▶*

• When using component (Y, PB, PR) jacks, do not connect S-VIDEO jack with the player.

Turning on and off the player

Start/resume normal Playback

RESUME, this player

playback.

press ■ again

Fast forward/backward

Slow-motion playback

(While paused)

• When RESUME is ON or DISC

memorizes the position on the

To resume playback, press ▶

To stop playback completely.

Each time you press II on the

advances to the next frame.

remote control, the still picture

Each time you press the button,

the playback speed changes.

• If you press and hold the button

advanced/reversed at 5 times

The disc is played back at about

during playback, playback is

disc where you interrupted

[PICTURE SOURCE] of	Source type of DVD VIDEO						
the PICTURE menu	Film source	Video source					
AUTO	[DDP]	[P]					
FILM	[DDP]	[DDP]					
VIDEO(NORMAL)/ (ACTIVE)	[P]	[P]					
IOTE							

not fully compatible with the player. To check the compatibility of your TV, contact your local JVC customer service center

- Connecting to a digital audio device • If your TV has a monaural audio input To enjoy high-quality surround sound, connect the instead of stereo, use an optional audio DIGITAL OUT (COAXIAL) jack to a Dolby Digital or DTS cable which converts stereo audio output to decoder or an amplifier with a built-in decoder
- monaural. • If your TV is a HDTV or HD-ready TV, you can connect with component (Y, PB, PR) jacks. By connecting with component (Y, PB, PR) jacks,
- you can select the progressive scanning mode which provides the best picture quality The S-VIDEO jack and the component (Y.
- When using the S-VIDEO iack, do not connect the component (Y, PB, PR) jacks with the player.

PB, PR) jacks cannot be used at the same

About the scanning mode indicator

PICTURE SOURCE] of	Source type of DVD VIDEO					
he PICTURE menu	Film source	Video source				
AUTO	[DDP]	[P]				
FILM	[DDP]	[DDP]				
VIDEO(NORMAL)/ (ACTIVE)	[P]	[P]				
)TE						

Some progressive TV and High-Definition TV sets are

CTURE SOURCE] of	Source type	of DVD VIDEO	
PICTURE menu	Film source	Video source	Using the AV COMPU LINK system
AUTO	[DDP]	[P]	The AV COMPU LINK system allows you to enjoy vio
FILM	[DDP]	[DDP]	and/or audio by simply pressing Play on the source
(IDEO(NORMAL)/ (ACTIVE)	[P]	[P]	component (the component which plays back the vice or audio, such as a DVD player or VCR). You
			do not even have to switch on power on the TV or

onent (the component which plays back the video io, such as a DVD player or VCR). You do not even have to switch on power on the TV or

Connection and setup Using an AV COMPU LINK cable, connect the AV COMPU LINK terminals of each component to one

• The player's AV COMPU LINK setting is controlled using the OTHERS menu in the preference display See "AV COMPULINK MODE" in "Initial settings." • See also the instruction manual of the other device.

Connecting to a stereo audio amplifier (receiver) EX. 1

To analog audio input

To analog

audio input

• Depending on the disc, no signal may be outputted

• Set [DIGITAL AUDIO OUTPUT] in the [AUDIO]

preference display correctly according to the

AUDIO OUTPUT" in "Initial settings.")

from the DIGITAL OUT. Make an analog connection

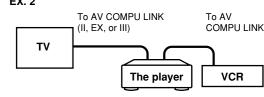
connected digital audio equipment. (See "DIGITAL

To digital audio input



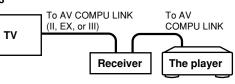
The player Set the player's AV COMPU LINK setting as follows: When connecting to the VIDEO-1 input terminal of the television: **DVD2**

When connecting to the VIDEO-2 input terminal of the television: **DVD3** EX. 2 To AV COMPU LINK



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

EX. 3



Notes for connection

- some functions may not be performed automatically Connect the AUDIO OUT jacks of the player to the
- Operation 1. Turn on the main power of the television. 2. Insert a disc (or tape) into the source component
- The following actions are performed automatically
- Turning on the television and/or receiver. Setting the source of the television to the external
- input (VIDEO-1 or VIDEO-2). • Setting the source of the receiver to the component
- which has started playback.

Changing the picture tone (VFP)

ne VFP (Video Fine Processor)

unction allows you to adjust the

personal preferences

GAMMA MID

SATURATION +10

NORMAL For watching TV in a

CINEMA For watching a movie

USER1 You can adjust

general room

software in a room with

parameters that affect the

store the settings as a user

suppressed light

preset. See below

Y DELAY

Press VFP-I/P.

preset.

picture character according to the

type of programming, picture tone or

Press
√> to select the desired

Selected

Preset

4 5 6

7 8 9

GROUP EFFECT VFP DIMMER

ANGLE SUBTITLE AUDIO ZOOM

JVC

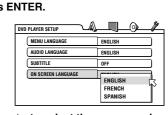
80 0

Basic Operations

When you turn on the player for the first time after

EXECUTE DVD PLAYER SETUP? - BASIC PICTURE/AUDIO

1 Press ENTER



2 Press ▲/▼ to select the on-screen language for

DVD PLAYER SETUP	
MONITOR TYPE	16:9
PICTURE SOURCE	16:9 4:3 LB
SCREEN SAVER	4:3 PS
BACKGROUND	STANDARD

3 Press ▲/▼ to select the monitor type, then press

- For a normal (conventional) TV, select "4:3 LB" or
- Set this item correctly according to the logo on your
- no DTS, select "DOLBY DIGITAL/PCM."

Press SET UP for a few seconds until the DVD PLAYER



: Pause.

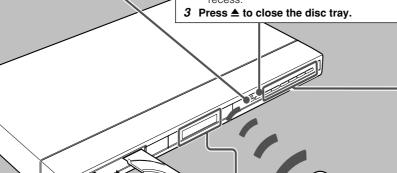
multi-angle views.

multi-subtitles.

multi-audio sounds.

2 Place a disc in the disc tray. • To insert an 8-cm disc, place it in the inner

Insert a disc



With the label side up

▶/ :Slow-motion playback with the current

: At the beginning of a scene containing

....: At the beginning of a scene containing

"ON SCREEN GUIDE" in "Initial settings.")

You can change the setting so that the on-screen

guide icons do not appear on the TV screen. (See

as possible (the operating range is approx. 5 m.) About On-screen guide icons Playback.

6

· Each indicator lights up when corresponding function/mode is activated, or corresponding >>/ : Fast forward/backward playback with information is on the main display. the current speed. : At the beginning of a scene containing

RESUME:

Point toward the remote sensor directly

normal speed. VARI-PLAY (For DVD Video) (variable | The disc is played back at about | playback) 1.2 or 1.5 times (FAST)/0.8 or 0.6 imes (SLOW) normal speed. The sound is not muted, and the subtitle does not go off (except for

(For SVCD/VCD)

2 times (FAST)/0.5 times (SLOW) normal speed. (Only for DVD Video) 5 The playback position moves back 10 seconds before the current position (only within the same title).

* ►II on the player starts/pauses playback.

Changing the display brightness Press **DIMMER** to change the brightness of the display window.

STANDBY/ON O/I OPEN/ CLOSE the display window contents - SLOW + DISPLAY ON SCREE Locating the beginning of a MENU A **■** ENTER You can select a title/chapter/ track directly and start playback (While stopped) select title. (While playing back) select For SVCD/VCD/CD: 1 2 3 Select track.

> If you press TITLE/GROUP before entering the number you can select the title instead of the chapter.

shown on the TV screen.

o select 5: press 5.

o select 23: press 2, then 3

o select 40: press 4, then 0.

Using the disc menu You can operate a disc-SVCD/ CD with Playback Control* (PBC)—using the disc menu

A method of controlling disc

play for SVCD/VCD by using the

■ For DVD 1 Press TOP MENU or MENU to show the disc menu. 2 Press ▲/▼/◄/► to select a desired item, then press ENTER or ► (SELECT).

• With some discs, you can also select items by entering the

■ For SVCD/VCD 1 While stopped, press TOP MENU or ► (SELECT) to show the menu. 2 Press the numeric buttons to select a desired item.

number using the numeric buttons.

To select 5: press 5

To play back without PBC

To select 23: press 2, then 3. To select 40: press 4, then 0, • To move to the next or previous page of the current menu. press ▶►I or I◄◄.

While stopped, press the numeric buttons instead of ► (SELECT) to start playback. To reactivate PBC

• Press TOP MENU or MENU. • Press ■ to stop playback, then ► (SELECT).

To return to the previous menu, press RETURN.

Changing the display window Each time you press **DISPLAY**, 2 Press the button repeatedly or

> setting. Buttons To do AUDIO

> > select the audio channel. SUBTITLE | select the subtitle. ANGLE

Each time you press **SOUND EFFECT**, the Sound Effect mode • As the value becomes bigger, the

Sound Effect works stronger.

Zooming the picture

To return to the normal playback,

ZOOM repeatedly.

select the normal size by pressing

Each time you press **ZOOM**, the magnification changes. You can use ▲/▼/◄/► button to move the zoomed position.

Adjust this if the neutral color is bright or dark. The brightness of dark and bright portion is maintained (LOW/MID/HIGH). CONTRAST (-12 to + 12).SATURATION unnatural (-16 to +16).

overlapped (-2 to +2). 3 Press A/▼ to adjust the parameter, then press ENTER.

Repeat step 2 and 3 to adjust other parameters.

 Set the VCR's Remote Control Code and the player's AV COMPU LINK setting as follows

The player's AV COMPU LINK setting: DVD3 VCR's Remote Control Code: A

TV Set the player's AV COMPU LINK setting to DVD1.

If you connect the player to a receiver via AV COMPU LINK in a system including a Dolby Digital decoder,

audio input jacks of a receiver indicating "DVD." Otherwise, the system will not work correctly.

3. Press ► of the source component.

Advanced Operations

Changing the language, sound and scene angle Press the button.

▲/▼ to select the desired item. - SLOW + DISPLAY ON SCREE Press ENTER to finish the MENU THUMB ● (ENTER) For DVD Video: IENU SET select audio language For SVCD/VCD:

0 2 3 select the view-angle. 4 5 6 7 8 9 **Changing the Sound Field** 0 \otimes

> JVC USER2

GROUP SOUND EFFECT VFP IMMER

ANGLE SUBTITLE AUDIO ZOOM

PREVIOUS SELECT NEXT

To adjust the picture tone 1 Select "USER1" or "USER2." 2 Press ▲/▼ to select a parameter, then press ENTER.

whole (-16 (darkest) to +16 (brightest)). Adjust this if the far and near position is unnatural Adjust this if the picture is whitish or blackish (-16 (blackest) to +16 (whitest)). Adjust this if the appearance of flesh tone is

5 Press VFP-I/P to finish the setting.

O

BRIGHTNESS Adjust this if the picture is bright or dark on the

SHARPNESS Adjust this if the picture is indistinct (LOW/HIGH). Adjust this if the picture looks separately/

To bring up the menu bar

When a disc is inserted, press ON SCREEN twice. A menu bar for the type of disc inserted will appear under the status bar

Ex.: Menu bar for DVD VIDEO



To dismiss the menu bar and the status bar, press ON

Basic operation procedure

1 Press </ > The proof of the icon you want to work with. 2 Press ENTER.

After pressing ENTER:

(1) When a pull-down menu appears, press ▲/▼ to select the setting you want, then press ENTER. (2) When a number-entry box appears, use the numeric buttons to enter the number you want, then press ENTER.

(3) When changing TIME setting, press ENTER repeatedly to select the setting you want.

NOTES

 The selected item on the menu bar is shown in green. • The available functions differ depending on the player status. Refer to the explanation below to check when you can use a certain function.

Menu bar functions

TIME selects the time mode shown in the display

window and the status bar. • TOTAL: Elapsed time of current title (DVD) or a disc (CD/VCD/SVCD)

• T.REM: Remaining time of current title (DVD) or a disc (CD/VCD/SVCD)

(Except for DVD: while stopped, disc total time) • TIME: Elapsed time of current chapter (DVD) or track (CD/VCD/SVCD) • REM: Remaining time of current chapter (DVD) or

track (CD/VCD/SVCD) (while stopped, current track total time)

selects repeat mode. During playback

DVD: CD. In any condition VCD/SVCD: In any condition except PBC playback CHAPTER: Current chapter repeat (DVD)

Current title repeat (DVD) Current track repeat (CD/VCD/SVCD) TRACK: • All · All track repeat (CD/VCD/SVCD) • A-B:

A-B repeat (During playback). After selecting A-B, press ENTER at the beginning point of repeat, then press ENTER again at the end point. Repeat mode deactivated. Select this to

quit repeat mode.

④ ⇒ specifies beginning point of a title (DVD) or a disc (CD/VCD/SVCD) by the time.

In any condition In any condition except program or random playback

VCD/SVCD: In any condition except PBC or program or random playback

(DVD only) selects the audio language (DVD), sound track (DVD), or audio channel (VCD/SVCD) during

CHAP. ⇒ specifies a chapter to play back from

selects the subtitle language (DVD) or

subtitle (SVCD) during playback. selects a desired scene angle in a multiangle part (DVD only).

PROG. specifies the playback order of tracks while stopped (unavailable for DVD). You can program up to

1. After selecting PROG. icon, press the numeric buttons to specify tracks in the desired order.

the track to be corrected, then press CANCEL. The track is erased and the subsequent programmed tracks move up. Pressing ■ clears all the programmed tracks.

Press ►(SELECT) to start program playback.

 During program playback, you cannot edit the program contents. • To exit the program mode, press ON SCREEN after

clearing the program.

RND. activates random playback while stopped (unavailable for DVD).

After selecting RND. | icon, press ENTER. The player starts random playback.

Repeat playback

bar to playback mode. 2. Press ENTER repeatedly to select the desired repeat

• REPEAT 1: Repeats the current file.

• REPEAT ALL: Repeats all files on the disc. Press ➤ to move the cursor bar to the file column.

then press ►(SELECT).

Audio/Video files playback

Random playback

bar to playback mode

then press ►(SELECT).

bar to playback mode

5. Press ►(SELECT).

To zoom in a picture

Press ZOOM

file (x1.5/x2).

1. While stopped, press ▲/▼/◄/► to move the cursor

. While stopped, press ▲/▼/◄/► to move the cursor

3. Press ▲/▼/◄/► to select the desired file, then press

. Repeat step 3 until all the desired files are selected.

To erase the last programmed file, press ■ to

move the cursor bar to the programmed files

Each time you press ZOOM, you can magnify a JPEG

This function is not available for some JPFG files

depending on their resolution size and JPEG format.

To select a JPEG file from the thumbnail list

2. Press ▲/▼/◄/► to select the desired picture, then

• You can change the page of thumbnail list by

Press ►(SELECT) while a JPEG file is selected on the

Press and hold ANGLE-SLIDE EFFECT until

selection (RAND) and no effect (NONE)

[SLIDE EFFECT MODE:] and the current mode

By pressing and holding the button repeatedly, you

can select the effect from 11 effects, random effect

The effect is not applied to progressive JPEG files.

. Press and hold THUMBNAIL/LIST while a JPEG file

. Press ENTER repeatedly to select RANDOM.

2. Press ENTER repeatedly to select PROGRAM.

column, then press CANCEL.

Various JPEG files playback

To rotate/reflect a still picture

While a still picture is played back:

is selected on the Control display

Slide show playback of JPEG files

press ENTER.

Control display.

pressing I

To select slide show effect

appears on the TV screen.

Pressing
 I > rotates the picture by 90°.

Pressing ▲ reflects the picture vertically.

Pressing ▼ reflects the picture horizontally

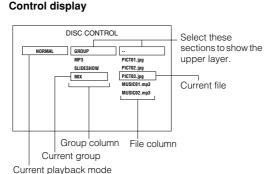
You can play back MP3/JPEG files on a CD/CD-R/RW. The player supports discs recorded with up to five multiple sessions

Precautions

- Use "ISO 9660" as the disc format. • The player does not support "packet writing (UDF
- files)" discs.
- The player may be unable to play back a disc due to Press ► to move the cursor bar to the file column, the characteristics or recording conditions. • The player recognizes up to the fifth layer of groups, Program playback
- 999 files per group (including unplayable files), and up to 250 groups per disc. • Add the appropriate extension (".mp3" and ".jpg") to
- MP3i and MP3 Pro are not available.
- The player cannot play back a picture of more than 5120 x 3413 pixels (baseline JPEG) or 2048 x 1536 pixels (progressive JPEG).

Selecting a specific file or group

You can select files or folders (groups) using the Control display on the TV screen.



Press ▲/▼/◄/▶ to move the cursor bar to a desired file, then press ►(SELECT).

 When you press ENTER only the selected file is played back (only for JPEG files).

Various playback mode

• To play back a disc continuously, select NORMAL.

1. While stopped, press ▲/▼/◄/▶ to move the cursor

• REPEAT GROUP: Repeats all files in the current group.

Initial settings

You can change the settings of this player according to your preferences and playing environment.

How to set the Initial settings

1 Press SET UP.

2 Press
✓/➤ to select the menu.

3 Press ▲/▼ to move to select the item 4 Press ENTER.

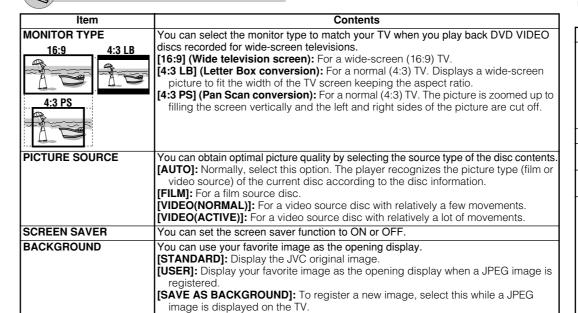
5 Press **▲**/▼ to select the options, then press ENTER. To dismiss a preference display

- Some items in the menus cannot be changed during
- During MP3 files playback, you cannot show the menus. • If the upper and lower parts of the menu are cut off, adjust the picture size control of the TV.
- For settings of the LANGUAGE menu or the PARENTAL
- LOCK menu, see also the code lists on the right. Depending on the disc, the settings may not apply correctly.



Contents
You can select the default menu language of DVD VIDEO.
You can select the default audio language of DVD VIDEO.
You can select the default subtitle language of DVD VIDEO.
You can select "ENGLISH," "FRENCH," or "SPANISH" as the on-screen language.

PICTURE menu



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AUDIO menu

	-
Item	Contents
DIGITAL AUDIO OUTPUT	Set this item correctly according to the logo on your receiver or decoder. [PCM ONLY]: Receiver/decoder bearing neither Dolby Digital nor DTS logo, or digital recorder. [DOLBY DIGITAL/PCM]: Receiver/decoder bearing Dolby Digital logo and no DTS [STREAM/PCM]: Receiver/decoder bearing both Dolby Digital and DTS logos.
ANALOG DOWNMIX	Set this item properly according to your analog audio connection to play the sound of the surround multichannel audio on a DVD VIDEO. [DOLBY SURROUND]: Select this when connecting to a surround decoder. [STEREO]: Select this when connecting to a stereo amplifier or TV, or in case you want to record from a DVD VIDEO to a MiniDisc, cassette, etc.
D.RANGE CONTROL	Set this item to listen to DVD VIDEO recorded in Dolby Digital format at low or middle volume [WIDE RANGE]: You can enjoy powerful playback sound. [NORMAL]: Normally, select this. [TV MODE]: Select this if the sound level of DVD VIDEO is lower than the one of TV program to make the sound at a lower volume clear.
OUTPUT LEVEL	Set this item to attenuate the level of the signal output from the analog AUDIO OUT terminals. If the sound from the speaker is distorted, select [LOW].

OTHERS menu

Item	Contents
RESUME	You can select the resume playback mode. [ON]: The player resumes playback from the position where playback has been stopped if the disc is still in the disc tray. [OFF]: This function is deactivated. [DISC RESUME]: The player resumes playback of the last 10 discs played. The player retains a memory of the stopped position of each disc even if the disc is removed from the disc tray.
ON SCREEN GUIDE	,
AUTO STANDBY	Activate or deactivate the on-screen guide. Set the time until the player turns off (into standby) automatically if playback is stopped for more than 30 minutes or 60 minutes.
AV COMPULINK MODE	Set this item correctly when using the AV COMPU LINK system. See "Using the AV COMPU LINK system" in "Connections."
PARENTAL LOCK PARENTAL LOCK COUNTRY CODE SET LEVEL WONE PASSWORD EXT	Select this item, then press ENTER to show the PARENTAL LOCK menu for limiting playback by children. Scenes which are limited by this function are not played or replaced with other scenes. [COUNTRY CODE]: Select the code of your country/area. [SET LEVEL]: Select the level of restriction. ("1" is the strictest.) [PASSWORD]: Enter your 4-digit password by pressing the numeric buttons (0 to 9). [EXIT]: Select this and press ENTER to go back to the OTHERS menu. Notes: • Some DVD VIDEO cannot be played by this function. If you try to play such a disc, the PARENTAL LOCK menu appears on the TV and asks whether you want to release the lock or not. To release the lock and play, select "TEMPORARY RELEASE," press ENTER, then enter your password. Otherwise, eject the disc. • To change the setting of the limitation, you need to enter your password. • If you forget your password, enter "8888."

Troubleshooting

Power does not come on. → Power plug is not inserted securely. Plug in

securely.

Operation

"REGION CODE ERROR!" is shown on the TV → Region code of the inserted disc does not match the player. Check the region code of the disc printed on the disc jacket.

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 → The disc does not allow the operation. or an

unplayable disc is inserted. Check and replace the

[LOCK] is displayed on the display window and the disc tray does not open.

→ When you press ▲ while pressing down ■ on the player in standby mode, the tray lock function is activated. The disc tray cannot be opened or closed pressing down ■ on the player in standby mode.

Picture

Picture is noisy.

→ The player is connected to a VCR directly and the copyguard function is activated. Connect the player so that the picture signal flows directly to the TV. With some discs, the picture may be blurred when [PICTURE SOURCE] is set to [FILM] or [AUTO]. Set [PICTURE SOURCE] to [VIDEO (NORMAL)] or [VIDEO (ACTIVE)].

Picture is distorted when using

component (Y, PB, PR) or S-VIDEO jack(s). → Both the component connection and S-video connection are made. Disconnect the unused one

No picture is displayed on the TV screen or the

screen is blurred or divided into two parts. → The player is in the progressive scanning mode though it is connected to a TV via the VIDEO or S-VIDEO jack, Observe the display window. If [P] is turned on, the player is in the progressive scanning

Make the Progressive scanning mode inactive by using the VFP-I/P button.

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Audio

DVD VIDEO disc playback sound level is lower than TV broadcast sound level. → Set the [D.RANGE CONTROL] preference to [TV

Analog audio output is distorted.

→ Set the [OUTPUT LEVEL] preference to [LOW].

MP3/JPEG

No sound and/or no picture comes out.

→ MP3/JPEG disc is recorded with the "packet writing (UDF file)." It cannot be played.

Check the files you want to play back. Files (tracks) are not played in the recorded

order. → This player plays the files in the alphabetic order. So, the playback order can vary.

Country/Area code list for Parental Lock

AF	Afghanistan	DE	Germany	IO	British Indian Ocean	MX	Mexico	ST	Sao Tome and
AG	Antigua and Barbuda	DJ	Djibouti		Territory	MY	Malaysia		Principe
ΑI	Anguilla	DK	Denmark	IQ	Iraq	MZ	Mozambique	SV	El Salvador
AL	Albania	DM	Dominica	IR	Iran (Islamic Republic of)	NA	Namibia	SY	Syrian Arab Republic
AM	Armenia	DO	Dominican Republic	IS	Iceland	NC	New Caledonia	SZ	Swaziland
AN	Netherlands Antilles	DZ	Algeria	IT	Italy	NE	Niger	TC	Turks and Caicos
AO	Angola	EC	Ecuador	JM	Jamaica	NF	Norfolk Island		Islands
AQ	Antarctica	EE	Estonia	JO	Jordan	NG	Nigeria	TD	Chad
AR	Argentina	EG	Egypt	JP	Japan	NI	Nicaragua	TF	French Southern Territories
AS	American Samoa	EH	Western Sahara	KE	Kenya	NL	Netherlands	TG	Togo
AT	Austria	ER	Eritrea	KG	Kyrgyzstan	NO	Norway	TH	Thailand
AU	Australia	ES	Spain	KH	Cambodia	NP	Nepal	_	
AW	Aruba	ET	Ethiopia	KI	Kiribati	NR	Nauru	TJ TK	Tajikistan
ΑZ	Azerbaijan	FI	Finland	KM	Comoros	NU	Niue		Tokelau
ВА	Bosnia and Herzegovina	FJ	Fiji	KN	Saint Kitts and Nevis	NZ	New Zealand	TM	Turkmenistan
BB	Barbados	FK	Falkland Islands	KP	Korea, Democratic	OM	Oman		Tunisia
BD	Bangladesh	FM	Micronesia (Federated		People's Republic of	PA	Panama	TO	Tonga
BE	Belgium		States of)	KR	Korea, Republic of	PE	Peru	TP	East Timor
BF	Burkina Faso	FO	Faroe Islands	KW	Kuwait	PF	French Polynesia	TR	Turkey
BG	Bulgaria	FR	France	KY	Cayman Islands	PG	Papua New Guinea	TT	Trinidad and Tobago
BH	Bahrain	FX	France, Metropolitan	ΚZ	Kazakhstan	PH	Philippines	TV	Tuvalu
BI	Burundi	GA	Gabon	LA	Lao People's	PK	Pakistan	TW	Taiwan
BJ	Benin	GB	United Kingdom		Democratic Republic	PI	Poland	TZ	Tanzania, United
BM	Bermuda	GD	Grenada	LB	Lebanon	PM	Saint Pierre and		Republic of
BN	Brunei Darussalam	GE	Georgia	LC	Saint Lucia	FIVI	Miquelon	UA	Ukraine
BO	Bolivia	GF	French Guiana	LI	Liechtenstein	PN	Pitcairn	UG	Uganda
BR	Brazil	GH	Ghana	LK	Sri Lanka	PR	Puerto Rico	UM	United States Minor
BS	Bahamas	GI	Gibraltar	LR	Liberia	PT	Portugal	US	Outlying Islands United States
BT	Bhutan	GL	Greenland	LS	Lesotho	PW	Palau	UY	
		GM	Gambia	LT	Lithuania	PY	Paraguay	_	Uruguay
BV	Bouvet Island	GN	Guinea	LU	Luxembourg	QA	Qatar	UZ VA	Uzbekistan
BW	Botswana	GP	Guadeloupe	LV	Latvia	RE	Réunion	VA	Vatican City State (Holy See)
BY	Belarus	GQ	Equatorial Guinea	LY	Libyan Arab Jamahiriya	RO	Romania	VC	Saint Vincent and the
BZ	Belize	GR	Greece	MA	Morocco	RU	Russian Federation	1	Grenadines
CA	Canada	GS	South Georgia and the	MC	Monaco	RW	Rwanda	VE	Venezuela
CC	Cocos (Keeling) Islands	u3	South Sandwich	MD	Moldova, Republic of	SA	Saudi Arabia	VG	Virgin Islands (British)
CF	Central African Republic	GT	Guatemala	MG	Madagascar	SB	Solomon Islands	VI	Virgin Islands (U.S.)
CG	Congo	GU	Guam	МН	Marshall Islands	SC	Seychelles	VN	Vietnam
CH	Switzerland	GW	Guinea-Bissau	ML	Mali	SD	Sudan	VU	Vanuatu
CI	Côte d'Ivoire	GY	Guyana	MM	Myanmar	SE	Sweden	WF	Wallis and Futuna
CK	Cook Islands	HK	Hong Kong	MN	Mongolia	SG			Islands
CL	Chile	HM	Heard Island and	МО	Macau		Singapore	WS	Samoa
CM	Cameroon	" " " " " " " " " " " " " " " " " " "	McDonald Islands	MP	Northern Mariana	SH	Saint Helena	YE	Yemen
CN	China	HN	Honduras		Islands	SI	Slovenia	YT	Mayotte
CO	Colombia	HR	Croatia	MQ	Martinique	SJ	Svalbard and Jan Mayen	YU	Yugoslavia
CR	Costa Rica	HT	Haiti	MR	Mauritania	SK	Slovakia	ZA	South Africa
CU	Cuba	HU	Hungary	MS	Montserrat	SL	Sierra Leone	ZM	Zambia
CV	Cape Verde	ID	Indonesia	MT	Malta	SM	San Marino	ZR	Zaire
CX	Christmas Island	IE	Ireland	MU	Mauritius	SN	Senegal	ZW	Zimbabwe
		11	ITGIGITU					Z V V	Lillinatiwe

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L	.angua	ge	codes	list	for the	e L/	ANGUA	GE	menu						
AA	Afar	CA	Catalan	GL	Galician	KK	Kazakh	ML	Malayalam	PS	Pashto,	SL	Slovenian	TL	Tagalog
AB	Abkhazian	CO	Corsican	GN	Guarani	KL	Greenlandic	MN	Mongolian		Pushto	SM	Samoan	TN	Setswana
٩F	Afrikaans	CS	Czech	GU	Gujarati	KM	Cambodian	МО	Moldavian	PT	Portuguese	SN	Shona	TO	Tongan
AΜ	Ameharic	CY	Welsh	HA	Hausa	KN	Kannada	MR	Marathi	QU	Quechua	SO	Somali	TR	Turkish
ΑR	Arabic	DA	Danish	HI	Hindi	КО	Korean (KOR)	MS	Malay (MAY)	RM	Rhaeto-	SQ	Albanian	TS	Tsonga
AS	Assamese	DΖ	Bhutani	HR	Croatian	KS	Kashmiri	MT	Maltese	DNI	Romance	SR	Serbian	TT	Tatar
ΑY	Aymara	EL	Greek	HU	Hungarian	KU	Kurdish	MY	Burmese	RN	Kirundi	SS	Siswati	TW	Twi
AΖ	Azerbaijani	EO	Esperanto	HY	Armenian	KY	Kirghiz	NA	Nauru	RO	Rumanian	ST	Sesotho	UK	Ukrainian
BA	Bashkir	ET	Estonian	ΙA	Interlingua	LA	Latin	NE	Nepali	_	Russian	SU	Sundanese	UR	Urdu
BE	Byelorussian	EU	Basque	IE	Interlingue	LN	Lingala	NL	Dutch	RW	Kinyarwanda	SV	Swedish	UZ	Uzbek
BG	Bulgarian	FA	Persian	IK	Inupiak	LO	Laothian	NO	Norwegian	_	Sanskrit	SW	Swahili	VI	Vietnamese
ВН	Bihari	FI	Finnish	IN	Indonesian	LT	Lithuanian	OC	Occitan	SD	Sindhi	TA	Tamil	VO	Volapuk
BI	Bislama	FJ	Fiji	IS	Icelandic	LV	Latvian,	OM	(Afan) Oromo	SH	Sangho Serbo-	TE	Telugu	WO	Wolof
BN	Bengali,Ban-	FO	Faroese	IW	Hebrew	<u> </u>	Lettish	OR	Oriya	l _{2H}	Croatian	TG	Tajik	XH	Xhosa
	gla	FY	Frisian	JI	Yiddish		Malagasy	PA	Panjabi	SI	Singhalese	TH	Thai	YO	Yoruba
ВО	Tibetan	GA	Irish	JW	Javanese	MI	Maori	PL	Polish	SK	Slovak	TI	Tigrinya	ZU	Zulu
BR	Breton	GD	Scots Gaelic	KA	Georgian	MK	Macedonian			OIL	Olovak	TK	Turkmen		

JVC **LIMITED WARRANTY** ONLY FOR PRODUCT PURCHASED IN U.S.A. CONSUMER VIDEO 1-90 JVC COMPANY OF AMERICA (JVC) warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL RETAIL PURCHASER to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP from the date of original purchase for the period shown below. ("The Warranty Period") 1 YR 90 DAYS THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND \hat{x} WHAT WE WILL DO: this product is found to be defective within the warranty period, JVC will repair or replace defective parts with new or rebuilt equivalents 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

† remainded of the Warranty Period. All products may be brought to a JVC authorized service center on a carry-in basis.

† Color televisions with a screen size of 27" or greater qualify for in-home service. In such cases, a technician will come

† to your home and either repair the TV there or remove and return it if it cannot be repaired in your home. WHAT YOU MUST DO FOR WARRANTY SERVICE: * Please do not return your product to the retailer

instead, return your product to the JVC authorized service center nearest you. If shipping the product to the service center, please be sure to package it carefully, preferably in the original packaging, and include a brief description of the problem(s). Please call 1-800-252-5722 to locate the nearest JVC authorized service center. Service locations can also be obtained from our website http://www.jvc.com. If your product qualifies for in-home service, the service representative will require clear access to the product. 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 or serial number has been altered, tampered with, defaced or removed: Initial installation, installation and removal from cabinets or mounting systems.

Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning, Damage that occurs in shipment, due to act of God, and cosmetic damage; 5. Signal reception problems and failures due to line power surge . User Removal Memory Devices/Video Pick-up Tubes/CCD Image Sensors are covered for 90days from the date of purchase; 8. Batteries (except that Rechargeable Batteries are covered for 90 days from the date of purchase); Products used for commercial purposes, including, but not limited to rental.
 Loss of data resultant from malfunction of hard drive or other data storage device There are no express warranties except as listed above. THE DURATION OF ANY IMPLIED WARRANTIES. INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY. IS * IVC SHALL NOT BE LIABLE FOR ANY LOSS OF USE OF THE PRODUCT INCONVIENCE OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTAL (INCLUDING, WITHOUT LIMITATION, A 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. r Some states do not allow the exclusion of incidental or consequential damages or limitations on how long an implied warranty lasts, 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. http://www.jvc.com ************************** REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAIL OF REFURBISHED PRODUCT WARRANTY, PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY NFORMATION 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.

Serial No.

Name of dealer

Retain this information for future reference.

Model No.

Purchase date

TO OUR VALUED CUSTOMER ——

THANK YOU FOR PURCHASING THIS JVC PRODUCT. WE WANT TO HELP YOU ACHIEVE A PERFECT EXPERIENCE.

> **NEED HELP ON HOW TO HOOK UP? NEED ASSISTANCE ON HOW TO OPERATE? NEED TO LOCATE A JVC SERVICE CENTER?** LIKE TO PURCHASE ACCESSORIES?

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JVC IS HERE TO HELP! **TOLL FREE: 1(800)252-5722**

http://www.jvc.com

Please refer to qualified service personnel for repairs.

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Remember to retain your Bill of Sale for Warranty Service.

 Do not attempt to service the product yourself Caution To prevent electrical shock, do not open the cabinet. There are no user serviceable parts inside.

Specifications Specifications and appearance are subject to change without prior notice.

General

Readable discs: DVD VIDEO, DVD-R (Video format), DVD-RW (Video format), SVCD, Video CD, Audio CD (CD-DA), CD-R/RW (CD-DA, SVCD, Video CD, MP3 format,

Video format: NTSC, 480i/480p selectable

inch x 7-15/16 inch)

Other

Power requirements: AC 120 V ∼, 60 Hz Power consumption 11.0 W (POWER ON), 1.0 W (STANDBY mode)

Mass: 1.5 kg (3.3 lbs) Dimensions (W x H x D): 435 mm x 44 mm x 201.5 mm (17-3/16 inch x 1-3/4

Y Output: 1.0 Vp-p (75 Ω) *C Output:* 286 mVp-p (75 Ω) Horizontal resolution: 500 lines or more

Video outputs

S-VIDEO (S jack)

Component (pin jacks)

Y Output: 1.0 Vp-p (75 Ω)

PB/PR Output: 0.7 Vp-p (75 Ω)

VIDEO (pin jack): 1.0 Vp-p (75 Ω)

Audio outputs ANALOG OUT (pin jack): 2.0 Vrms (10 k Ω) DIGITAL OUT (COAXIAL): 0.5 Vp-p (75 Ω termination)

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(4 Hz to 20 kHz for DTS and Dolby Digital bitstream signals) DVD (sampling frequency 96 kHz): 2 Hz to 44 kHz

Wow and flutter: Unmeasurable (less than ± 0.002%) Total harmonic distortion: less than 0.009%

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0105MOC-MW-SC ©2005 Victor Company of Japan, Limited

Region code of DVD VIDEO

This player can play back DVD VIDEO discs whose region code numbers include "2." Examples of playable DVD VIDEO discs:

GNT0061-003A[EK]



Note of Color system format

This player accommodates the PAL system, and also can play back discs recorded with NTSC system. (NTSC video signals are converted to an PAL signal and output.)

Supplied accessories

If anything is missing, consult your dealer immediately.

• Remote control (x 1)

R6(SUM-3)/AA(15F) battery (x 2)

Warnings, Cautions and Others

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

type, as originally fitted.
If nonetheless the mains plug is cut off ensure to remove th fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply. If this product is not supplied fitted with a mains plug the

follow the instructions given below IMPORTANT.

DO NOT make any connection to the terminal which is marked with the letter E or by the safety earth symbol or coloured reen or green-and-yellow he wires in the mains lead on this product are coloured in cordance with the following code

Blue: Neutral

As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as The wire which is coloured blue must be connected to the

erminal which is marked with the letter N or coloured black erminal which is marked with the letter L or coloured red.

IF IN DOUBT - CONSULT A COMPETENT ELECTRICIAN.

CAUTION

To reduce the risk of electrical shocks, fire, etc.: Do not remove screws, covers or cabinet.

2. Do not expose this appliance to rain or moisture.

Caution — O/I STANDBY/ON button!

Disconnect the mains plug to shut the power off completely. The U/I STANDBY/ON button in any position does not disconnect the mains line. The power can be remote controlled.

IMPORTANT FOR LASER PRODUCTS 1. CLASS 1 LASER PRODUCT

- 2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
- 3. CAUTION: Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam. 4. REPRODUCTION OF LABEL: CAUTION LABEL,
- PLACED INSIDE THE UNIT.

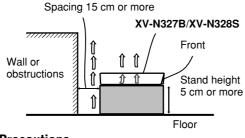
UTION: Visible and invisible	ADVARSEL: Synlig og usynlig	VARNING : Synlig och	VARO: Avattaessa ja suojalukitus
er radiation when open and	laserstråling når maskinen er	osynlig laserstrålning när	ohitettuna tai viallisena olet alttiina
	åben eller interlocken fejler.		
DID DIRECT EXPOSURE TO	Undgå direkte eksponering til		lasersäteilylle. Vältä säteen
AM. (e)	stråling. (d)	strålen. (s)	kohdistumista suoraan itseesi. (f)

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

as vases, shall be placed on the apparatus. Caution: Proper Ventilation

To avoid risk of electric shock and fire and to protect from damage, locate the apparatus as follows: Front: No obstructions and open spacing. Sides: No obstrucitons in 3 cm from the sides

No obstrucitons in 5 cm from the top. Back: No obstrucitons in 15 cm from the back. Bottom: No obstrucitons, place on the level surface.



Precautions

Notes on the power cord

- When you are away on travel or otherwise for an extended period of time, remove the plug from the wall outlet. A small amount of power (1.0 W) 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.
- Do not handle the power cord with wet hands! Disconnect the power cord before cleaning the
- player or moving the player. • Do not alter, twist or pull the power cord, or put anything heavy on it, which may cause fire, electric
- shock, or other accidents. • If the cord is damaged, consult a dealer and have the

power cord replaced with a new one Avoid moisture, water, dust, and high temperatures

Do not place the player in moist or dusty places.

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

- · Select a place which is level, dry and neither too hot nor too cold between 5°C and 35°C.
- · Leave sufficient distance between the player and the TV. • Do not install the player in a place subject to vibrations.
- Do not put heavy objects on the player.

Basic Operations

To prevent malfunction of the player

- There are no user-serviceable parts inside. If anything goes wrong, unplug the power cord and consult your dealer.
- Do not insert any metallic objects, such as wires, hairpins, coins, etc. into the player.
- Do not block the vents. Blocking the vents may damage the player

To clean the cabinet Use a soft cloth. 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 discolorina.

Playable discs

• DVD VIDEO, Audio CD, Video CD, SVCD



- DVD-R/-RW written in the DVD VIDEO format • DivX files on DVD-R/-RW written in the UDF format CD-R/RW written in the SVCD, Video CD or Audio CD
- CD-R/RW written in MP3/JPEG/DivX in accordance with the "ISO 9660" format

Supported Digital audio formats:

Linear PCM, MPEG Multichannel, Dolby Digital, DTS (Digital Theater Systems)* NOTES

- If a disc gets dirty, scratched or warped, or due to the disc characteristics or recording conditions, the player may not be able to play back such discs. The player can play back audio signals recorded in
- MIX-MODE CD, CD-G, CD-EXTRA and CD TEXT. • With some discs, operations may not be possible.
- * To play back DTS-encoded DVD VIDEO or DTSencoded Audio CD discs correctly, connect the player to an amplifier with a built-in DTS decoder. Otherwise, playback sound will be distorted.

Unplayable discs

If you try to play back discs listed below, noise may be erated and causes damage to speakers. DVD-RW written in the VR format

- · DVD-ROM, DVD-RAM, DVD AUDIO, CD-ROM, PHOTO CD. SACD
- Unfinalized discs

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Discs of irregular shape or discs with tape, seals or paste on either the label side or playback side. Playing back these discs may damage the player.

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

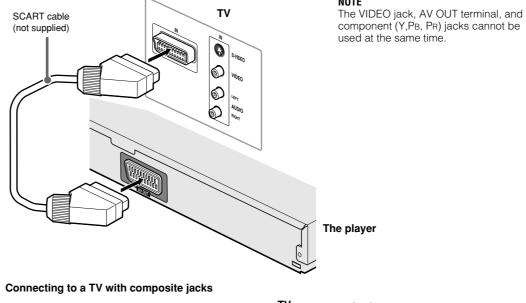
Connections

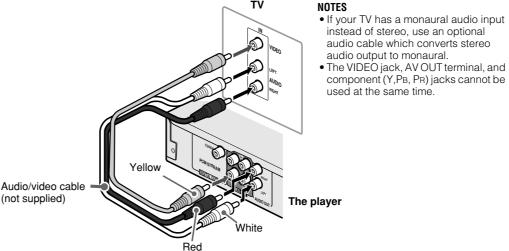
Before making connections:

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

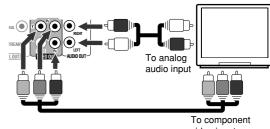
• Connect VIDEO OUT of the player directly to the video input of your TV. Connecting VIDEO OUT of the player to a TV via a VCR/an integrated TV/Video system may cause a monitor problem.

Connecting to a TV with SCART connector





Connecting to a TV with component jacks



To switch the scanning mode between Progressive and Interlace, press and hold VFP-I/P on the remote control for a few seconds.

NOTES • Connect to a TV with composite jacks and set

- [CONNECTIONS] to [VIDEO COMPONENT] before connecting with component jacks. (See "CONNECTIONS" in "Initial settings.") • Connect "Y" to "Y," "PB" to "PB(CB)," "PR" to "PR(CR)"
- The VIDEO jack, AV OUT terminal, and component
- (Y,PB, PR) jacks cannot be used at the same time. About the scanning mode indicator

[PICTURE SOURCE] of | Source type of DVD VIDEO the PICTURE menu Film source Video source AUTO

FILM [DDP] VIDEO(NORMAL) [P] [P] (ACTIVE)

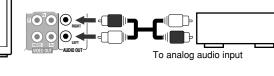
not fully compatible with the player. To check the

compatibility of your TV, contact your local JVC

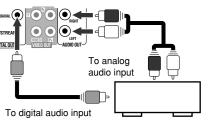
customer service center

Some progressive TV and High-Definition TV sets are

Connecting to a stereo audio amplifier (receiver)



To enjoy high-quality surround sound, connect the DIGITAL OUT (COAXIAL) jack to a Dolby Digital or DTS decoder or an amplifier with a built-in decoder



from the DIGITAL OUT. Make an analog connection in this case Set [DIGITAL AUDIO OUTPUT] in the [AUDIO]

preference display correctly according to the connected digital audio equipment. (See "DIGITAL

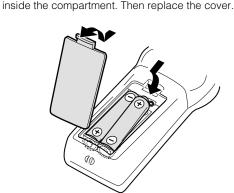
Turning on the power

Inserting the AC power plug After all other connections have been made, insert the

AC power plug to the wall outlet firmly.

Installing the batteries in the remote control Open the compartment cover, and place the two supplied R6(SUM-3)/AA(15F) batteries in the remote

control according to the polarity markings ("+" and "-")



The batteries will last about six months with normal use If the functions of the remote control become erratic. replace the batteries.

Precautions of the safe use of batteries

batteries. If they are used improperly their lives will be shortened, they may burst or their contents may leak. Remove the batteries from the remote control if it is not going to be used for a long period of time.

Observe the following precautions for the safe use of

- 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 placing them.

Turning on and off the player

Press U/ISTANDBY/ON:

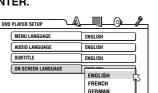
Initial setup

When you turn on the player for the first time after purchase, the following message appears on the TV

EXECUTE DVD PLAYER SETUP? - BASIC PICTURE/AUDIO **SETTING** YES - PRESS ENTER NO - PRESS CANCEL

Before enjoying this player, make the initial settings as

1 Press ENTER



MONITOR TYPE	16:9
PICTURE SOURCE	4:3 LB
SCREEN SAVER	4:3 PS
CONNECTIONS	SCART RGB
BACKGROUND	STANDARD

- "4:3 PS." (See "MONITOR TYPE" in "Initial

4 Press ▲/▼ to select a desired digital output signal type, then press ENTER.

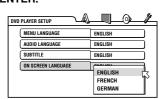
receiver or decoder. (If you do not connect the player to such a device,

- Receiver/decoder bearing Dolby Digital logo and no DTS, select "DOLBY DIGITAL/PCM."
- Receiver/decoder bearing neither Dolby Digital nor DTS logo, or digital recorder, select "PCM ONLY."

SETUP display appears.

5

follows:



2 Press ▲/▼ to select the on-screen language for

DVD PLAYER SETUP	
MONITOR TYPE	
PICTURE SOURCE	16:9 4:3 LB
SCREEN SAVER	4:3 PS
CONNECTIONS	SCART RGB
BACKGROUND	STANDARD

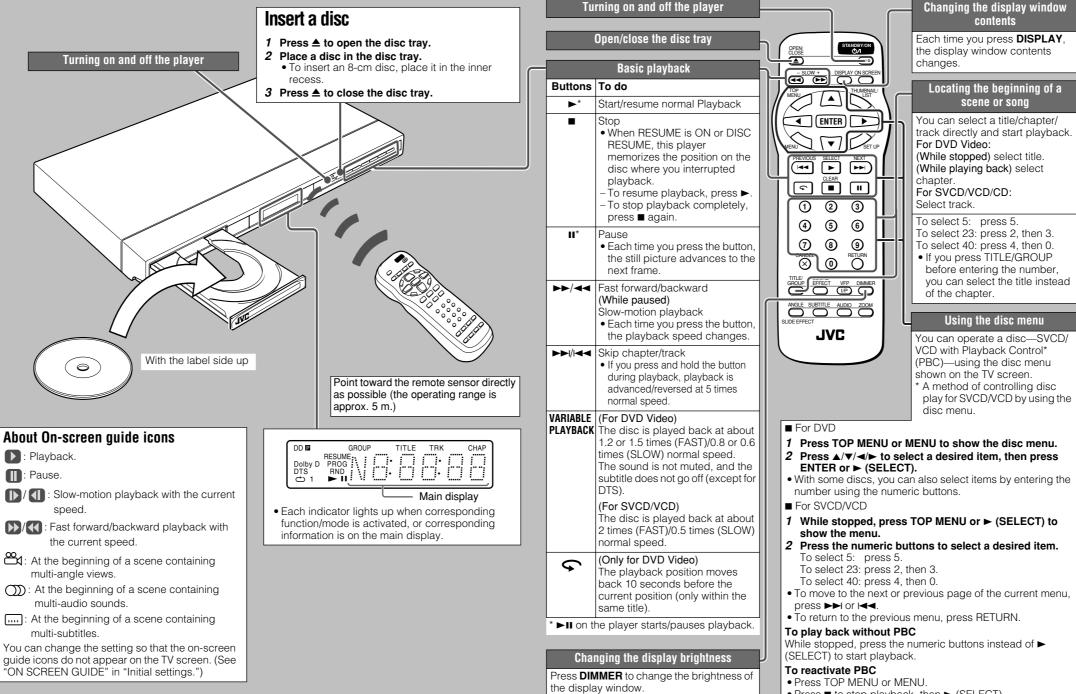
- 3 Press ▲/▼ to select the monitor type, then press
- For a normal (conventional) TV, select "4:3 LB" or
- For a wide-screen TV, select "16:9."

DIGITAL AUDIO OUTPUT	2011 01111	ነ
ANALOG DOWNMIX	PCM ONLY DOLBY DIGITAL/PCM	L
D.RANGE CONTROL	STREAM/PCM	Ļ
OUTPUT LEVEL	STANDARD	ī

Set this item correctly according to the logo on your

- press ENTER to finish the setting.)
- Receiver/decoder bearing both Dolby Digital and DTS logos, select "STREAM/PCM."

To bring up the DVD PLAYER SETUP display later Press SET UP for a few seconds until the DVD PLAYER



Changing the display window AUDIO ANGLE

setting SUBTITLE | select the subtitle. Zooming the picture **ZOOM** repeatedly.

• Press ■ to stop playback, then \blacktriangleright (SELECT).

Each time you press **ZOOM**, the magnification changes. You can use ▲/▼/◄/► button to move the zoomed position. To return to the normal playback, select the normal size by pressing

To adjust the picture tone 1 Select "USER1" or "USER2."

maintained (LOW/MID/HIGH). **BRIGHTNESS** Adjust this if the picture is bright or dark on the whole (-16 (darkest) to +16 (brightest)). CONTRAST Adjust this if the far and near position is unnatural (-12 to + 12).SATURATION Adjust this if the picture is whitish or blackish (-16 (blackest) to +16 (whitest)). Adjust this if the appearance of flesh tone is unnatural (-16 to +16). SHARPNESS Adjust this if the picture is indistinct (LOW/HIGH). Adjust this if the picture looks separately/

3 Press A/▼ to adjust the parameter, then press ENTER.

Changing the picture tone (VFP)

he VFP (Video Fine Processor)

unction allows you to adjust the

personal preferences

GAMMA | MID

SATURATION

Y DELAY

USER2

The brightness of dark and bright portion is

Press VFP-I/P.

preset.

picture character according to the

type of programming, picture tone or

Press
√> to select the desired

NORMAL For watching TV in a

CINEMA For watching a movie

USER1 You can adjust

general room

software in a room with

parameters that affect the

store the settings as a user

suppressed light.

preset. See below

Selected

Preset

- SLOW + DISPLAY ON SCRE

TOP THUM

■ (ENTER) ▶

PREVIOUS SELECT NEXT

1 2 3

4 5 6

7 8 9

0 \otimes

SOUND EFFECT VFP IMMER

ANGLE SUBTITLE AUDIO ZOOM

JVC

O

Advanced Operations Changing the language, sound and scene angle

Press the button. 2 Press the button repeatedly or ▲/▼ to select the desired item. Press ENTER to finish the

Buttons To do For DVD Video: select audio language For SVCD/VCD: select the audio channel.

select the view-angle. Changing the Sound Field Each time you press **SOUND EFFECT**, the Sound Effect mode

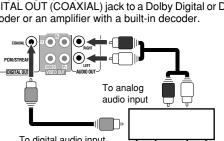
• As the value becomes bigger, the Sound Effect works stronger.

2 Press ▲/▼ to select a parameter, then press ENTER. Adjust this if the neutral color is bright or dark.

overlapped (-2 to +2). Repeat step 2 and 3 to adjust other parameters.

5 Press VFP-I/P to finish the setting.

Connecting to a digital audio device



• Depending on the disc, no signal may be outputted

AUDIO OUTPUT" in "Initial settings.")

You can use various functions from the menu bar.

To bring up the menu bar When a disc is inserted, press ON SCREEN twice.

A menu bar for the type of disc inserted will appear under the status bar

Ex.: Menu bar for DVD VIDEO



To dismiss the menu bar and the status bar, press ON SCREEN.

Basic operation procedure

2 Press ENTER.

After pressing ENTER:

(1) When a pull-down menu appears, press ▲/▼ to select the setting you want, then press ENTER. (2) When a number-entry box appears, use the numeric buttons to enter the number you want, then press ENTER.

(3) When changing TIME setting, press ENTER

repeatedly to select the setting you want. NOTES

 The selected item on the menu bar is shown in green • The available functions differ depending on the player status. Refer to the explanation below to check when you can use a certain function.

Menu bar functions

TIME | selects the time mode shown in the display

window and the status bar. • TOTAL: Elapsed time of current title (DVD) or a disc (CD/VCD/SVCD)

• T.REM: Remaining time of current title (DVD) or a disc (CD/VCD/SVCD) (Except for DVD: while stopped, disc total time)

• TIME: Elapsed time of current chapter (DVD) or track (CD/VCD/SVCD) • REM: Remaining time of current chapter (DVD) or

track (CD/VCD/SVCD) (while stopped, current track total time)

selects repeat mode. DVD: During playback

CD: In any condition VCD/SVCD: In any condition except PBC playback CHAPTER: Current chapter repeat (DVD)

Current title repeat (DVD) Current track repeat (CD/VCD/SVCD) TRACK: • All · All track repeat (CD/VCD/SVCD) • A-B:

A-B repeat (During playback). After selecting A-B, press ENTER at the beginning point of repeat, then press ENTER again at the end point. · OFF Repeat mode deactivated. Select this to

quit repeat mode.

④ ⇒ specifies beginning point of a title (DVD) or a disc (CD/VCD/SVCD) by the time.

> In any condition In any condition except program or random playback

VCD/SVCD: In any condition except PBC or program or random playback

CHAP. ⇒ specifies a chapter to play back from

selects the audio language (DVD), sound

track (DVD), or audio channel (VCD/SVCD) during selects the subtitle language (DVD) or

subtitle (SVCD) during playback. selects a desired scene angle in a multi-

PROG. specifies the playback order of tracks while stopped (unavailable for DVD). You can program up to

1. After selecting PROG. icon, press the numeric

angle part (DVD only).

buttons to specify tracks in the desired order. the track to be corrected, then press CANCEL. The track is erased and the subsequent programmed tracks move up.

Pressing ■ clears all the programmed tracks. Press ►(SELECT) to start program playback.

• During program playback, you cannot edit the program contents. • To exit the program mode, press ON SCREEN after

clearing the program.

RND. activates random playback while stopped (unavailable for DVD).

After selecting RND. icon, press ENTER.

The player starts random playback.

When you press ENTER, only the selected file is

Various playback mode

Repeat playback

1. While stopped, press ▲/▼/◄/► to move the cursor

bar to playback mode.

2. Press ENTER repeatedly to select the desired repeat

• REPEAT GROUP: Repeats all files in the current group.

• REPEAT ALL: Repeats all files on the disc.

3. Press ▶ to move the cursor bar to the file column. then press ►(SELECT).

Audio/Video files playback

You can play back MP3/JPEG files on a CD/CD-R/RW and DivX files recorded on CD-R/RW, DVD-R/-RW. The player supports discs recorded with up to five multiple sessions

bar to playback mode

then press ►(SELECT).

Program playback

Press ►(SELECT).

Press ZOOM.

changed-

To zoom in a picture

- x1.5/x2 for JPEG files

- x2 for DivX files

press ENTER.

Control display.

pressing I◀◀/▶▶I.

• To select slide show effect

appears on the TV screen.

bar to playback mode

. Press ENTER repeatedly to select RANDOM.

2. Press ENTER repeatedly to select PROGRAM.

Each time you press ZOOM, the magnification is

This function is not available for some JPEG files

depending on their resolution size and JPEG format.

To select a JPEG files from the thumbnail list

1. Press and hold THUMBNAIL/LIST while a JPEG file

2. Press ▲/▼/◄/► to select the desired picture, then

• You can change the page of thumbnail list by

Press ►(SELECT) while a JPEG file is selected on the

Press and hold ANGLE-SLIDE EFFECT until

selection (RAND), and no effect (NONE).

[SLIDE EFFECT MODE:] and the current mode

By pressing and holding the button repeatedly, you

can select the effect from 11 effects, random effect

The effect is not applied to progressive JPEG files.

column, then press CANCEL.

To rotate/reflect a still picture

Pressing
 In the picture by 90°.

Pressing ▲ reflects the picture vertically.

is selected on the Control display.

Slide show playback of JPEG files

Pressing ▼ reflects the picture horizontally.

While a still picture is played back:

Press ► to move the cursor bar to the file column,

. While stopped, press ▲/▼/◄/► to move the cursor

3. Press ▲/▼/◄/► to select the desired file, then press

. Repeat step 3 until all the desired files are selected.

move the cursor bar to the programmed files

Precautions Random playback 1. While stopped, press ▲/▼/◄/▶ to move the cursor • Use "ISO 9660" as the disc format.

• The player does not support "packet writing (UDF files)" discs.

 The player may be unable to play back a disc due to the characteristics or recording conditions.

• The player recognizes up to the fifth layer of groups, 999 files per group (including unplayable files), and up to 250 groups per disc.

 Add the appropriate extension (".mp3", ".jpg", and ".divx") to the file name.

• MP3i and MP3 Pro are not available

• The player cannot play back a picture of more than 5120 x 3413 pixels (baseline JPEG) or 2048 x 1536 pixels (progressive JPEG).

 The player supports the DivX files whose resolution is 720 x 480 pixels or less (30 fps), and 720 x 576 pixels or less (25 fps).

Selecting a specific file or group

You can select files or folders (groups) using the Control display on the TV screen.

Control display

DISC CONTROL Select these sections to show the upper layer. PICT02.jpg PICT03.jpg MUSIC01.mp3 Current file MUSIC02.mp3 Group column File column Current group Current playback mode

Press ▲/▼/◄/▶ to move the cursor bar to a desired file, then press ►(SELECT).

played back (only for JPEG files)

• To play back a disc continuously, select NORMAL.

• REPEAT 1: Repeats the current file.

Initial settings

You can change the settings of this player according to your preferences and playing environment.

How to set the Initial settings

1 Press SET UP.

2 Press
/▶ to select the menu.

3 Press ▲/▼ to move to select the item

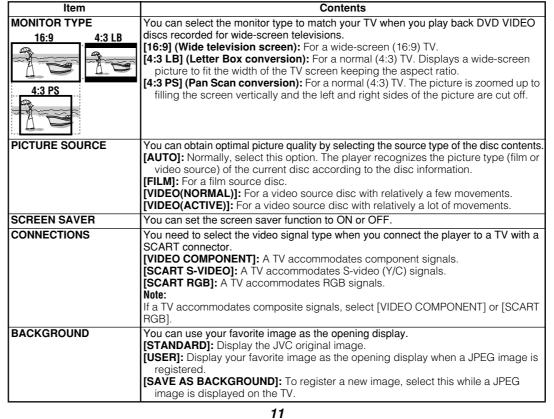
4 Press ENTER. 5 Press ▲/▼ to select the options, then press ENTER. To dismiss a preference display

- Some items in the menus cannot be changed during playback.
- During MP3 files playback, you cannot show the menus. • If the upper and lower parts of the menu are cut off,
- adjust the picture size control of the TV.
- For settings of the LANGUAGE menu or the PARENTAL LOCK menu, see also "Language codes" below.
- Depending on the disc, the settings may not apply correctly.

LANGUAGE menu

Item	Contents
MENU LANGUAGE	You can select the default menu language of DVD VIDEO.
AUDIO LANGUAGE	You can select the default audio language of DVD VIDEO.
	You can select the default subtitle language of DVD VIDEO.
ON SCREEN LANGUAGE	You can select "ENGLISH," "FRENCH," or "GERMAN" as the on-screen language.
· · · · · · · · · · · · · · · · · · ·	·

PICTURE menu



15

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

12

Contents

[PCM ONLY]: Receiver/decoder bearing neither Dolby Digital nor DTS logo, or digital

[DOLBY DIGITAL/PCM]: Receiver/decoder bearing Dolby Digital logo and no DTS

Set this item properly according to your analog audio connection to play the sound of

ISTEREO1: Select this when connecting to a stereo amplifier or TV, or in case you

Set this item to listen to DVD VIDEO recorded in Dolby Digital format at low or middle volume.

ITV MODE: Select this if the sound level of DVD VIDEO is lower than the one of TV

Set this item to attenuate the level of the signal output from the analog AUDIO OUT

Contents

[ON]: The player resumes playback from the position where playback has been

[DISC RESUME]: The player resumes playback of the last 10 discs played. The

player retains a memory of the stopped position of each disc even if the disc is

Set the time until the player turns off (into standby) automatically if playback is stopped

Once you played back a disc created by using the Registration Code, the player's

code is overwritten by a totally different new one for copyright protection purpose.

Select this item, then press ENTER to show the PARENTAL LOCK menu for limiting

[PASSWORD]: Enter your 4-digit password by pressing the numeric buttons (0 to 9).

• Some DVD VIDEO cannot be played by this function. If you try to play such a disc,

To release the lock and play, select "TEMPORARY RELEASE," press ENTER, then

the PARENTAL LOCK menu appears on the TV and asks whether you want to

To change the setting of the limitation, you need to enter your password.

playback by children. Scenes which are limited by this function are not played or

You can confirm of your player's Registration Code for DivX playback.

[COUNTRY CODE]: Select the code of your country/area.

enter your password. Otherwise, eject the disc.

If you forget your password, enter "8888."

SET LEVEL]: Select the level of restriction. ("1" is the strictest.)

[EXIT]: Select this and press ENTER to go back to the OTHERS menu.

STREAM/PCM]: Receiver/decoder bearing both Dolby Digital and DTS logos.

[DOLBY SURROUND]: Select this when connecting to a surround decoder.

want to record from a DVD VIDEO to a MiniDisc, cassette, etc.

terminals. If the sound from the speaker is distorted, select [LOW].

[WIDE RANGE]: You can enjoy powerful playback sound.

program to make the sound at a lower volume clear.

DIGITAL AUDIO OUTPUT | Set this item correctly according to the logo on your receiver or decoder

NORMAL]: Normally, select this.

You can select the resume playback mode

Activate or deactivate the on-screen guide.

or more than 30 minutes or 60 minutes.

[OFF]: This function is deactivated.

removed from the disc tray.

replaced with other scenes.

release the lock or not.

stopped if the disc is still in the disc tray.

the surround multichannel audio on a DVD VIDEO.

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

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

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

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

Do be careful with glass panels or doors on equipment.

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

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

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

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

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

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

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

DON'T obstruct the ventilation of the equipment, for example with curtains or soft furnishings.

Overheating will cause damage and shorten the life of the equipment.

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

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

ABOVE ALL

- —NEVER let anyone, especially children, push anything into holes, slots or any other opening in the case -this could result in a fatal electrical shock.;

Troubleshooting

Power does not come on. → Power plug is not inserted securely. Plug in

securely.

Operation

"REGION CODE ERROR!" is shown on the TV → Region code of the inserted disc does not match the player. Check the region code of the disc printed on

the disc jacket.

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. → The disc does not allow the operation, or an

unplayable disc is inserted. Check and replace the [LOCK] is displayed on the display window

and the disc tray does not open. → When you press ▲ while pressing down ■ on the player in standby mode, the tray lock function is activated. The disc tray cannot be opened or closed pressing down ■ on the player in standby mode.

Picture

Picture is noisy.

→ The player is connected to a VCR directly and the copyguard function is activated. Connect the player so that the picture signal flows directly to the TV. With some discs, the picture may be blurred when [PICTURE SOURCE] is set to [FILM] or [AUTO]. Set [PICTURE SOURCE] to [VIDEO (NORMAL)] or [VIDEO (ACTIVE)].

No picture is displayed on the TV screen or the

screen is blurred or divided into two parts. → The player is in the progressive scanning mode though it is connected to a TV via the VIDEO or SCART connector. Observe the display window. If [P] is turned on, the player is in the progressive

Make the Progressive scanning mode inactive by using the VFP - I/P button.

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Audio

DVD VIDEO disc playback sound level is lower

Analog audio output is distorted.

No sound and/or no picture comes out.

→ MP3/JPEG disc is recorded with the "packet writing (UDF file)." It cannot be played.

Files (tracks) are not played in the recorded

order. → This player plays the files in the alphabetic order.

DivX files are played back without sound. → This player can play back the MP3 sound for the audio part of the DivX files. Select the proper audio CODEC when making DivX files.

than TV broadcast sound level.

→ Set the [D.RANGE CONTROL] preference to [TV

→ Set the [OUTPUT LEVEL] preference to [LOW].

MP3/JPEG/DivX

Check the files you want to play back.

So, the playback order can vary.

Country/Area code list for Parental Lock | AD | Andorra | CY | Cyprus | IIL | Israel | AE | United Arab Emirates | CZ | Czech Republic | IN | India

AE	United Arab Emirates	CZ	Czech Republic	IIN	India	MW	Malawi	SH	Suriname
AF	Afghanistan	DE	Germany	IO	British Indian Ocean	MX	Mexico	ST	Sao Tome and
AG	Antigua and Barbuda	DJ	Djibouti		Territory	MY	Malaysia		Principe
ΑI	Anguilla	DK	Denmark	IQ	Iraq	MZ	Mozambique	SV	El Salvador
AL	Albania	DM	Dominica	IR	Iran (Islamic Republic of)	NA	Namibia	SY	Syrian Arab Republic
AM	Armenia	DO	Dominican Republic	IS	Iceland	NC	New Caledonia	SZ	Swaziland
AN	Netherlands Antilles	DZ	Algeria	IT	Italy	NE	Niger	TC	Turks and Caicos
AO	Angola	EC	Ecuador	JM	Jamaica	NF	Norfolk Island		Islands
AQ	Antarctica	EE	Estonia	JO	Jordan	NG	Nigeria	TD	Chad
AR	Argentina	EG	Egypt	JP	Japan	NI	Nicaragua	TF	French Southern
AS	American Samoa	EH	Western Sahara	KE	Kenya	NL	Netherlands		Territories
AT	Austria	ER	Eritrea	KG	Kyrgyzstan	NO	Norway	TG	Togo
AU	Australia	ES	Spain	KH	Cambodia	NP	Nepal	TH	Thailand
AW	Aruba	ET	Ethiopia	KI	Kiribati	NR	Nauru	TJ	Tajikistan
AZ	Azerbaijan	FI	Finland	KM	Comoros	NU	Niue	TK	Tokelau
BA	Bosnia and Herzegovina	FJ	Fiii	KN	Saint Kitts and Nevis	NZ	New Zealand	TM	Turkmenistan
BB	Barbados	FK	Falkland Islands	KP	Korea, Democratic	OM	Oman	TN	Tunisia
BD	Bangladesh	FM	Micronesia (Federated		People's Republic of	PA	Panama	TO	Tonga
BE	Belgium	l ivi	States of)	KR	Korea, Republic of	PE	Peru	TP	East Timor
BF	Burkina Faso	FO	Faroe Islands	KW	Kuwait	PF	French Polynesia	TR	Turkey
BG	Bulgaria	FR	France	KY	Cayman Islands	PG	Papua New Guinea	TT	Trinidad and Tobago
BH	Bahrain	FX	France, Metropolitan	KZ	Kazakhstan	PH	Philippines	TV	Tuvalu
BI		GA	Gabon	LA	Lao People's	PK	Pakistan	TW	Taiwan
	Burundi	GB	United Kingdom		Democratic Republic	PL		TZ	Tanzania, United
BJ	Benin	GD	Grenada	LB	Lebanon	PM	Poland		Republic of
BM	Bermuda	GE	Georgia	LC	Saint Lucia	PM	Saint Pierre and Miguelon	UA	Ukraine
BN	Brunei Darussalam	GF	French Guiana	LI	Liechtenstein	PN	Pitcairn	UG	Uganda
ВО	Bolivia	GH	Ghana	LK	Sri Lanka	PR	Puerto Rico	UM	United States Minor
BR	Brazil	GI	Gibraltar	LR	Liberia	PT	Portugal		Outlying Islands
BS	Bahamas	GL	Greenland	LS	Lesotho	PW	Palau	US	United States
BT	Bhutan	GM	Gambia	LT	Lithuania	PY		UY	Uruguay
BV	Bouvet Island	GN		LU	Luxembourg		Paraguay	UZ	Uzbekistan
BW	Botswana		Guinea	LV	Latvia	QA	Qatar	VA	Vatican City State
BY	Belarus	GP	Guadeloupe	LY	Libyan Arab Jamahiriya	RE	Réunion	1/0	(Holy See)
BZ	Belize	GQ	Equatorial Guinea	MA	Morocco	RO	Romania	VC	Saint Vincent and the Grenadines
CA	Canada	GR	Greece	MC	Monaco	RU	Russian Federation	VE	Venezuela
CC	Cocos (Keeling) Islands	GS	South Georgia and the South Sandwich	MD	Moldova, Republic of	RW	Rwanda	VG	Virgin Islands (British
CF	Central African Republic	GT		MG	Madagascar	SA	Saudi Arabia		
CG	Congo		Guatemala	MH	Marshall Islands	SB	Solomon Islands	VI	Virgin Islands (U.S.)
СН	Switzerland	GU	Guam	ML	Mali	SC	Seychelles		Vietnam
CI	Côte d'Ivoire	GW	Guinea-Bissau	MM	Myanmar	SD	Sudan	VU	Vanuatu
CK	Cook Islands	GY	Guyana	MN	Mongolia	SE	Sweden	WF	Wallis and Futuna
CL	Chile	HK	Hong Kong	MO	Macau	SG	Singapore	WS	Islands Samoa
СМ	Cameroon	HM	Heard Island and	MP	Northern Mariana	SH	Saint Helena	YE	Yemen
CN	China	LINI	McDonald Islands	INIP	Islands	SI	Slovenia		
CO	Colombia	HN	Honduras	MQ	Martinique	SJ	Svalbard and Jan Mayen	YT	Mayotte
CR	Costa Rica	HR	Croatia	MR	Mauritania	SK	Slovakia	YU	Yugoslavia
CU	Cuba	HT	Haiti	MS	Montserrat	SL	Sierra Leone	ZA	South Africa
CV	Cape Verde	HU	Hungary	MT	Malta	SM	San Marino	ZM	Zambia
CX	Christmas Island	ID	Indonesia	_		SN	Senegal	ZR	Zaire
υ Λ	Omiotinas isianu	ΙE	Ireland	MU	Mauritius	_		ZW	Zimbabwe

10

	10			reland	1		vio iviauritiu	٥					_ ZW Zimi	oabwe)
L	.angua	ge	codes	list	for the	e L/	ANGUA	GE	menu						
AΑ	Afar	CA	Catalan	GL	Galician	KK	Kazakh	ML	Malayalam	PS	Pashto,	SM	Samoan	TN	Setswana
AΒ	Abkhazian	CO	Corsican	GN	Guarani	KL	Greenlandic	MN	Mongolian		Pushto	SN	Shona	TO	Tongan
٩F	Afrikaans	CS	Czech	GU	Gujarati	KM	Cambodian	MO	Moldavian	PT	Portuguese	SO	Somali	TR	Turkish
AΜ	Ameharic	CY	Welsh	HA	Hausa	KN	Kannada	MR	Marathi	QU	Quechua	SQ	Albanian	TS	Tsonga
٩R	Arabic	DA	Danish	HI	Hindi	KO	Korean (KOR)	MS	Malay (MAY)	RM	Rhaeto-	SR	Serbian	TT	Tatar
AS	Assamese	DZ	Bhutani	HR	Croatian	KS	Kashmiri	MT	Maltese	DNI	Romance	SS	Siswati	TW	Twi
٩Y	Aymara	EL	Greek	HU	Hungarian	KU	Kurdish	MY	Burmese	RN	Kirundi Rumanian	ST	Sesotho	UK	Ukrainian
٩Z	Azerbaijani	EO	Esperanto	HY	Armenian	KY	Kirghiz	NA	Nauru	_		SU	Sundanese	UR	Urdu
ЗА	Bashkir	ET	Estonian	IA	Interlingua	LA	Latin	NE	Nepali	RU	Russian	SV	Swedish	UZ	Uzbek
ВE	Byelorussian	EU	Basque	ΙE	Interlingue	LN	Lingala	NL	Dutch	RW	Kinyarwanda	SW	Swahili	VI	Vietnamese
BG	Bulgarian	FA	Persian	IK	Inupiak	LO	Laothian	NO	Norwegian	SA	Sanskrit	TA	Tamil	VO	Volapuk
ЗН	Bihari	FI	Finnish	IN	Indonesian	LT	Lithuanian	ОС	Occitan	SD	Sindhi	TE	Telugu	WO	Wolof
BI	Bislama	FJ	Fiji	IS	Icelandic	LV	Latvian,	ОМ	(Afan) Oromo	SG	Sangho	TG	Tajik	XH	Xhosa
BN	Bengali,Ban-	FO	Faroese	IW	Hebrew		Lettish	OR	Oriya	SH	Serbo-Croatian	TH	Thai	YO	Yoruba
	gla	FY	Frisian	JI	Yiddish	MG	Malagasy	PA	Panjabi	SI	Singhalese	TI	Tigrinya	ZU	Zulu
BO	Tibetan	GA	Irish	JW	Javanese	MI	Maori	PL	Polish	SK	Slovak	TK	Turkmen		•
BR	Breton	GD	Scots Gaelic	KA	Georgian	MK	Macedonian			SL	Slovenian	TL	Tagalog		

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Readable discs:

JPEG. DivX)

General

Other Power requirements: AC 230 V ∼, 50 Hz

Power consumption: 11.0 W (POWER ON), 1.0 W (STANDBY mode) *Mass:* 1.5 kg

VIDEO OUT (pin jack): 1.0 Vp-p (75 Ω) 700 mVp-p (75 Ω) RGB Output: Component (pin jacks)

Y Output: 1.0 Vp-p (75 Ω) PB/PR Output: 0.7 Vp-p (75 Ω) Horizontal resolution: 500 lines or more

ANALOG OUT (pin jack): 2.0 Vrms (10 k Ω) DIGITAL OUT (COAXIAL): 0.5 Vp-p (75 Ω termination)

Audio characteristics

CD (sampling frequency 44.1 kHz): 2 Hz to 20 kHz

Specifications Specifications and appearance are subject to change without prior notice.

DVD VIDEO, DVD-R (Video format), DVD-RW (Video format), SVCD, Video CD, Audio CD (CD-DA), CD-R/RW (CD-DA, SVCD, Video CD, MP3 format,

Video format: PAL, 625i/625p selectable

Dimensions (W x H x D):

435 mm x 44 mm x 201.5 mm Video outputs

Audio outputs

Frequency response

DVD (sampling frequency 48 kHz): 2 Hz to 22 kHz(4 Hz to 20 kHz for DTS and Dolby Digital bitstream signals) DVD (sampling frequency 96 kHz): 2 Hz to 44 kHz Wow and flutter: Unmeasurable (less than ± 0.002%)

Total harmonic distortion: less than 0.009%

• Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are

trademarks of Dolby Laboratories. "DTS" and "DTS Digital Out" are trademarks of Digital

Theater Systems, Inc. "Official DivX Certified™ product" "Plays DivX® 5, DivX® 4, DivX® 3, and DivX® VOD video content (in compliance with DivX Certified™ technical requirements)" "DivX, DivX Certified, and

associated logos are trademarks of DivXNetworks, Inc. and are used under license. This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly

is prohibited. "CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525p AND 625p DVD PLAYER, PLEASE CONTACT OUR CUSTOMER

AUDIO menu

ANALOG DOWNMIX

D.RANGE CONTROL

OTHERS menu

OUTPUT LEVEL

ON SCREEN GUIDE

DivX REGISTRATION

PARENTAL LOCK

AUTO STANDBY

RESUME

—NEVER guess or take chances with electrical equipment of any kind -it is better to be safe than 16

INSTRUCTIONS





code symbol on the rear panel

Note of Color system format

TV (see "Initial settings")

Supplied accessories

• Remote control (x 1)

(Only for Singapore)

0505MOC-MW-SC ©2005 Victor Company of Japan, Limited Region code of DVD VIDEO

Examples of playable DVD VIDEO discs:

systems. Select the correct color system for your

If anything is missing, consult your dealer

• R6(SUM-3)/AA(15F) battery (x 2)

AC power plug adaptor (x 1)

Audio/video cable (Yellow/White/Red) (x 1)

4. REPRODUCTION OF LABEL: CAUTION LABEL, This player can play back DVD VIDEO discs whose region code numbers include the player's Region Code, which is indicated on the region

GNT0061-016B[AG/AS/AA]

PLACED INSIDE THE UNIT

	CAUTION: Visible and inv	risible ADVARSEL : Synlig og u	usynlig VARNING :	Synlig och	VARO: Avattaessa ja suo
	laser radiation when oper	n and laserstråling när maskir	nen er osynlig laser	rstrålning när	ohitettuna tai viallisena ole
	interlock failed or defe	eated. åben eller interlocken	fejler, den öppnas o	ich spärren är	näkyvälle ja näkymä
		E TO Undgå direkte eksponer			lasersäteilylle. Vältä
	BEAM.	(e) stråling.	(d) strålen.	(s)	kohdistumista suoraan its
		•			

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

Disconnect the mains plug to shut the power off

completely. The மூ STANDBY/ON button in any

position does not disconnect the mains line. The power

2. CAUTION: Do not open the top cover. There are no

3. CAUTION: Visible and invisible laser radiation when

open and interlock failed or defeated. Avoid direct

user serviceable parts inside the unit; leave all

2. Do not expose this appliance to rain or moisture.

1. Do not remove screws, covers or cabinet.

Caution — (b/ISTANDRY/ON button)

IMPORTANT FOR LASER PRODUCTS

servicing to qualified service personnel.

can be remote controlled.

exposure to beam

L CLASS 1 LASER PRODUCT

CAUTION:

CAUTION

• Do not block the ventilation openings or holes. (If the The player's region code is printed on the rear of ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to This player is compatible with the PAL and NTSC

• Do not place any naked flame sources, such as lighted candles, on the apparatus.

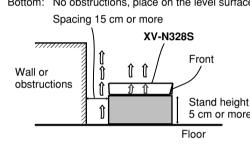
• When discarding batteries, environmental problems must be considered and local rules or laws governing the disposal of these batteries must be followed strictly

• Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

Caution: Proper Ventilation To avoid risk of electric shock and fire and to protect from damage, locate the apparatus as follows:

No obstructions and open spacing. No obstructions in 3 cm from the sides No obstructions in 5 cm from the top. No obstructions in 15 cm from the back

Bottom: No obstructions, place on the level surface. Spacing 15 cm or more XV-N328S



Precautions

Notes on the power cord

• When you are away on travel or otherwise for an extended period of time, remove the plug from the wall outlet. A small amount of power (1.0 W) 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.

• Do not handle the power cord with wet hands! • Disconnect the power cord before cleaning the

player or moving the player. • Do not alter, twist or pull the power cord, or put anything heavy on it, which may cause fire, electric shock, or other accidents.

• If the cord is damaged, consult a dealer and have the power cord replaced with a new one.

Avoid moisture, water, dust, and high temperatures

• Do not place the player in moist or dusty places. • If water gets inside the player, turn off the power and remove the plug from the wall outlet, then consult your dealer. Using the player in this state may cause a fire or electrical shock.

• Do not expose the player to direct sunlight or place it

near a heating device.

Notes on installation • Select a place which is level, dry and neither too hot

nor too cold between 5°C and 35°C. • Leave sufficient distance between the player and the TV. • Do not install the player in a place subject to vibrations.

Do not put heavy objects on the player

To prevent malfunction of the player • There are no user-serviceable parts inside. If anything goes wrong, unplug the power cord and consult your dealer • Do not insert any metallic objects, such as wires,

hairpins, coins, etc. into the player. • Do not block the vents. Blocking the vents may damage the player

To clean the cabinet

• Use a soft cloth. 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.

Playable discs

• DVD VIDEO, Audio CD, Video CD, SVCD CISG Video CD disc disc supervice

• DVD-R/-RW written in the DVD VIDEO format • CD-R/RW written in the SVCD, Video CD or Audio CD format • CD-R/RW written in MP3/JPEG in accordance with the "ISO 9660" format

Supported Digital audio formats: Linear PCM, MPEG Multichannel, Dolby Digital, DTS (Digital

Theater Systems) • If a disc gets dirty, scratched or warped, or due to the

disc characteristics or recording conditions, the player may not be able to play back such discs The player can play back audio signals recorded in

MIX-MODE CD, CD-G, CD-EXTRA and CD TEXT. • With some discs, operations may not be possible * To play back DTS-encoded DVD VIDEO or DTS-

encoded Audio CD discs correctly, connect the player to an amplifier with a built-in DTS decoder Otherwise, playback sound will be distorted.

Unplayable discs

If you try to play back discs listed below, noise may be generated and causes damage to speakers. DVD-RW written in the VR format

• DVD-ROM, DVD-RAM, DVD AUDIO, CD-ROM, PHOTO CD, SACD Unfinalized discs

· Discs of irregular shape or discs with tape, seals or paste on either the label side or playback side. Playing back these discs may damage the player

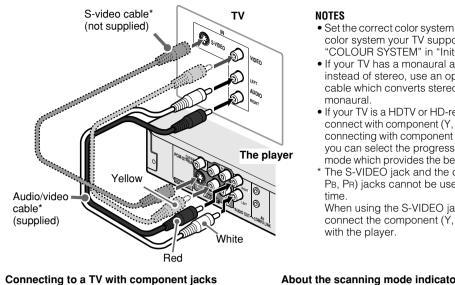
The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

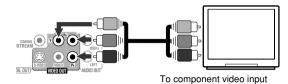
Connections

Before making connections: Do not connect the AC power cord until all other connections have been made

• Connect VIDEO OUT of the player directly to the video input of your TV. Connecting VIDEO OUT of the player to a TV via a VCR/an integrated TV/Video system may cause a monitor problem

Basic Connection





To switch the scanning mode between Progressive and nterlace, press and hold VFP-I/P on the remote control for a few seconds.

• Connect "Y" to "Y," "PB" to "PB(CB)," "PR" to "PR(CR)"

correctly. • When using the component (Y, PB, PR) jacks, do not

connect the S-VIDEO jack with the player

Turning on and off the player

Start/resume normal Playback

• When RESUME is ON or DISC

memorizes the position on the

To resume playback, press ►.

To stop playback completely,

• Each time you press II on the

advances to the next frame.

remote control, the still picture

Each time you press the button,

the playback speed changes.

If you press and hold the button

during playback, playback is

advanced/reversed at 5 times

The disc is played back at about

disc where you interrupted

RESUME, this player

plavback.

press ■ again

►►/◄ Fast forward/backward

(While paused)

Slow-motion plavback

Buttons To do

• Set the correct color system according to the color system your TV supports. (See "COLOUR SYSTEM" in "Initial settings.")

• If your TV has a monaural audio input instead of stereo, use an optional audio cable which converts stereo audio output to monaural • If your TV is a HDTV or HD-ready TV, you can

connect with component (Y. PB. PR) jacks. By

connecting with component (Y, PB, PR) jacks, you can select the progressive scanning mode which provides the best picture quality The S-VIDEO jack and the component (Y, PB, PR) jacks cannot be used at the same

When using the S-VIDEO jack, do not connect the component (Y, PB, PR) jacks with the player.

about the southing it		
[PICTURE SOURCE] of	Source type	of DVD VIDEO
the PICTURE menu	Film source	Video source
AUTO	[DDP]	[P]
FILM	[DDP]	[DDP]
VIDEO(NORMAL)/ (ACTIVE)	[P]	[P]
IOTE		

Some progressive TV and High-Definition TV sets are not fully compatible with the player. To check the compatibility of your TV, contact your local JVC customer service center

• Set [DIGITAL AUDIO OUTPUT] in the [AUDIO] preference display correctly according to the connected digital audio equipment. (See "DIGITAL AUDIO OUTPUT" in "Initial settings.")

• Depending on the disc, no signal may be outputted

from the DIGITAL OUT. Make an analog connection

Connecting to a stereo audio amplifier (receiver)

To enjoy high-quality surround sound, connect the

decoder or an amplifier with a built-in decoder

DIGITAL OUT (COAXIAL) jack to a Dolby Digital or DTS

To analog

audio input

To analog audio inpu

Connecting to a digital audio device

Using the AV COMPU LINK system

To digital audio input

The AV COMPU LINK system allows you to enjoy video and/or audio by simply pressing Play on the source component (the component which plays back the video or audio, such as a DVD player or VCR). You do not even have to switch on power on the TV or

Connection and setup Using an AV COMPU LINK cable, connect the AV COMPU LINK terminals of each component to one

using the OTHERS menu in the preference display. See "AV COMPULINK MODE" in "Initial settings." • See also the instruction manual of the other device.

• The player's AV COMPU LINK setting is controlled

EX. 3

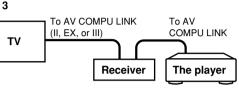
EX. 1

EX. 2

TV

the television: **DVD2**

the television: **DVD3**



To AV COMPU LINK (II, EX, or III)

• Set the player's AV COMPU LINK setting as follows:

To AV COMPU LINK

(II, EX, or III)

AV COMPU LINK setting as follows:

VCR's Remote Control Code: B

the television:

the television:

- When connecting to the VIDEO-1 input terminal of

- When connecting to the VIDEO-2 input terminal of

The player

• Set the VCR's Remote Control Code and the player's

The player's AV COMPU LINK setting: DVD2

- When connecting to the VIDEO-1 input terminal of

• Set the player's AV COMPU LINK setting to DVD1.

LINK in a system including a Dolby Digital decoder, some functions may not be performed automatically

Otherwise, the system will not work correctly.

1. Turn on the main power of the television. 2. Insert a disc (or tape) into the source component

input (VIDEO-1 or VIDEO-2).

• Setting the source of the receiver to the component

which has started playback.

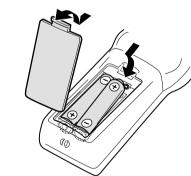
Turning on the power

Inserting the AC power plug After all other connections have been made, insert the

AC power plug to the wall outlet firmly. Installing the batteries in the remote control

Open the compartment cover, and place the two supplied R6(SUM-3)/AA(15F) batteries in the remote control according to the polarity markings ("+" and "-")

inside the compartment. Then replace the cover.



The batteries will last about six months with normal use If the functions of the remote control become erratic.

Precautions of the safe use of batteries

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

Turning on and off the player

Press U/ISTANDBY/ON.

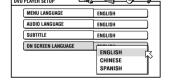
replace the batteries.

Initial setup

When you turn on the player for the first time after purchase, the following message appears on the TV

EXECUTE DVD PLAYER SETUP? - BASIC PICTURE/AUDIO SETTING

Before enjoying this player, make the initial settings as follows



- "4:3 PS." (See "MONITOR TYPE" in "Initial

DIGITAL AUDIO OUTPUT	2001 0000
ANALOG DOWNMIX	PCM ONLY DOLBY DIGITAL/PCM
D.RANGE CONTROL	STREAM/PCM
OUTPUT LEVEL	STANDARD

signal type, then press ENTER.

- receiver or decoder.
- no DTS, select "DOLBY DIGITAL/PCM."

To bring up the DVD PLAYER SETUP display later

5

DVD PLAYER SETUP	
MENU LANGUAGE	ENGLISH
AUDIO LANGUAGE	ENGLISH
SUBTITLE	ENGLISH
ON SCREEN LANGUAGE	ENGLISH CHINESE SPANISH

MONITOR TYPE		
PICTURE SOURCE	16:9 4:3 LB	
SCREEN SAVER	4:3 PS	\\
COLOUR SYSTEM	PAL	
BACKGROUND	STANDARD	$\overline{}$

DIGITAL AUDIO OUTPUT	DOM ONLY
ANALOG DOWNMIX	PCM ONLY DOLBY DIGITAL/PCM
D.RANGE CONTROL	STREAM/PCM
OUTPUT LEVEL	STANDARD

- (If you do not connect the player to such a device,
- Receiver/decoder bearing both Dolby Digital and DTS logos, select "STREAM/PCM."

Press SET UP for a few seconds until the DVD PLAYER SETUP display appears.

Basic Operations

YES - PRESS ENTER NO - PRESS CANCEL

1 Press ENTER

IEN.	
VD PLAYER SETUP	
MENU LANGUAGE	ENGLISH
AUDIO LANGUAGE	ENGLISH
SUBTITLE	ENGLISH
ON SCREEN LANGUAGE	ENGLISH CHINESE SPANISH

2 Press ▲/▼ to select the on-screen language for

VD PLAYER SETUP	
MONITOR TYPE	
PICTURE SOURCE	16:9 4:3 LB
SCREEN SAVER	4:3 PS
COLOUR SYSTEM	PAL
BACKGROUND	STANDARD

3 Press ▲/▼ to select the monitor type, then press

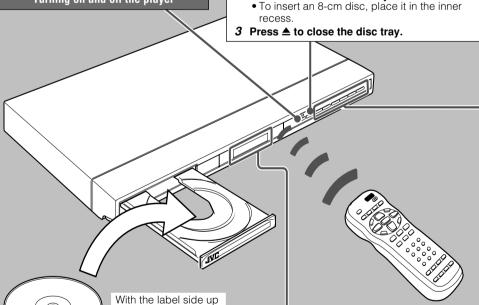
- For a normal (conventional) TV, select "4:3 LB" or
- For a wide-screen TV, select "16:9."



4 Press ▲/▼ to select a desired digital output Set this item correctly according to the logo on your

- press ENTER to finish the setting.) Receiver/decoder bearing Dolby Digital logo and
- Receiver/decoder bearing neither Dolby Digital nor DTS logo, or digital recorder, select "PCM ONLY."

Insert a disc 1 Press ≜ to open the disc tray. 2 Place a disc in the disc tray. Turning on and off the player



6

About On-screen guide icons Playback.

: Pause. I) / (I): Slow-motion playback with the current

>>/ : Fast forward/backward playback with the current speed. : At the beginning of a scene containing multi-angle views.

multi-subtitles.

()): At the beginning of a scene containing multi-audio sounds.: At the beginning of a scene containing

You can change the setting so that the on-screen

guide icons do not appear on the TV screen. (See

ON SCREEN GUIDE" in "Initial settings.")

 Each indicator lights up when corresponding function/mode is activated, or corresponding

information is on the main display.

approx. 5 m.)

Point toward the remote sensor directly

as possible (the operating range is

VARIABLE (For DVD Video) PLAYBACK The disc is played back at about 1.2 or 1.5 times (FAST)/0.8 or 0.6 times (SLOW) normal speed. The sound is not muted, and the subtitle does not go off (except for (For SVCD/VCD)

normal speed.

2 times (FAST)/0.5 times (SLOW) normal speed. (Only for DVD Video) 4 he playback position moves back 10 seconds before the current position (only within the

same title).

the display window.

* ►II on the player starts/pauses playback. Changing the display brightness

Press **DIMMER** to change the brightness of

- SLOW + DISPLAY ON SCREE

■ ENTER

0 2 3

4 5 6

7 8 9

⊗ o RETURN

GROUP EFFECT VFP DIMMER

ANGLE SUBTITLE AUDIO ZOOM

JVC

OPEN/ CLOSE

Each time you press **DISPLAY**, ne display window contents Locating the beginning of a

hanging the display window

scene or song

You can select a title/chapter track directly and start playback For DVD Video: (While stopped) select title (While playing back) select

For SVCD/VCD/CD: Select track. o select 5; press 5. o select 23 press 2, then 3 o select 40: press 4, then 0. If you press TITLE/GROUP

of the chapter. Using the disc menu You can operate a disc—SVCD/ CD with Plavback Control* PBC)—using the disc menu shown on the TV screen.

A method of controlling disc

play for SVCD/VCD by using the

before entering the number,

you can select the title instead

■ For DVD

To select 5: press 5.

To play back without PBC

number using the numeric buttons.

1 Press TOP MENU or MENU to show the disc menu. 2 Press $\triangle/\nabla/\blacktriangleleft/\triangleright$ to select a desired item, then press ENTER or ► (SELECT). • With some discs, you can also select items by entering the

■ For SVCD/VCD 1 While stopped, press TOP MENU or ► (SELECT) to show the menu 2 Press the numeric buttons to select a desired item.

To select 23: press 2, then 3. To select 40: press 4, then 0 • To move to the next or previous page of the current menu, press ▶►I or I◄◄.

To return to the previous menu, press RETURN.

• Press ■ to stop playback, then ► (SELECT).

While stopped, press the numeric buttons instead of ► (SELECT) to start playback. To reactivate PBC

• Press TOP MENU or MENU.

Advanced Operations

Changing the language, sound Press the button

Buttons To do AUDIO For DVD Video: select audio languages For SVCD/VCD: select the audio channel

Each time you press **SOUND**

Zooming the picture

magnification changes. You can use ▲/▼/◄/► button to move the zoomed position To return to the normal playback, select the normal size by pressing

ZOOM repeatedly.

Each time you press **ZOOM**, the

and scene angle 2 Press the button repeatedly or ▲/▼ to select the desired item. 3 Press ENTER to finish the

SUBTITLE | select the subtitle

ANGLE select the view-angle.

Changing the Sound Field **EFFECT**. the Sound Effect mode As the value becomes bigger, the

1 Select "USER1" or "USER2."

CONTRAST SATURATION (-16 (blackest) to +16 (whitest))

overlapped (-2 to +2).

Parameter NORMAL For watching TV in a general room CINEMA For watching a movie software in a room with suppressed light.

The brightness of dark and bright portion is maintained (LOW/MID/HIGH). whole (-16 (darkest) to +16 (brightest)).

Adjust this if the far and near position is unnatural Adjust this if the picture is whitish or blackish Adjust this if the appearance of flesh tone is unnatural (-16 to +16).

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

The player

COMPU LINK

VCR

Notes for connection If you connect the player to a receiver via AV COMPU

• Connect the AUDIÓ OUT jacks of the player to the audio input jacks of a receiver indicating "DVD."

The following actions are performed automatically:

CLOSE

STANDBY/ON O/I

function allows you to adjust the picture character according to the type of programming, picture tone or

1 Press VFP-I/P. ENTER D preset.

USER 1

Y DELAY + 2

ANGLE SUBTITLE AUDIO ZOON JVC USER1 You can adjust USER2

BRIGHTNESS Adjust this if the picture is bright or dark on the

SHARPNESS Adjust this if the picture is indistinct (LOW/HIGH).

store the settings as a user

parameters that affect the

Adjust this if the neutral color is bright or dark.

Adjust this if the picture looks separately/

5 Press VFP-I/P to finish the setting.

3 Press ▲/▼ to adjust the parameter, then press ENTER. 4 Repeat step 2 and 3 to adjust other parameters.

3. Press ▶ of the source component. • Turning on the television and/or receiver. • Setting the source of the television to the external

Changing the picture tone (VFP)

- SLOW + DISPLAY ON SCREEN personal preferences MENU

4ENU SET PREVIOUS SELECT NEXT © ■ III

2 Press
/▶ to select the desired

7 8 9 **© 0** O GROUP SOUND EFFECT VFP IMMER

1 2 3 4 5 6

2 Press ▲/▼ to select a parameter, then press ENTER.

The VFP (Video Fine Processor)

Sound Effect works stronger.

To adjust the picture tone

You can use various functions from the menu bar

To bring up the menu bar When a disc is inserted, press ON SCREEN twice.

A menu bar for the type of disc inserted will appear under the status bar.

Ex.: Menu bar for DVD VIDEO



SCREEN.

Basic operation procedure

1 Press **◄/▶** to select the icon you want to work with. 2 Press ENTER.

After pressing ENTER:

(1) When a pull-down menu appears, press ▲/▼ to select the setting you want, then press ENTER. (2) When a number-entry box appears, use the numeric buttons to enter the number you want, then press ENTER.

(3) When changing **TIME** setting, press ENTER repeatedly to select the setting you want.

NOTES

 The selected item on the menu bar is shown in green. • The available functions differ depending on the player status. Refer to the explanation below to check when you can use a certain function.

Menu bar functions TIME | selects the time mode shown in the display

track (CD/VCD/SVCD)

During playback

In any condition

CHAPTER: Current chapter repeat (DVD)

quit repeat mode.

In any condition

random playback

or random playback

CHAP. → specifies a chapter to play back from

disc (CD/VCD/SVCD) by the time.

VCD/SVCD: In any condition except PBC playback

Current title repeat (DVD)

selects repeat mode.

DVD: During playbac

(while stopped, current track total time)

Current track repeat (CD/VCD/SVCD)

All track repeat (CD/VCD/SVCD)

ENTER again at the end point.

→ specifies beginning point of a title (DVD) or a

VCD/SVCD: In any condition except PBC or program

• Some items in the menus cannot be changed during

A-B repeat (During playback). After

selecting A-B, press ENTER at the

In any condition except program or

beginning point of repeat, then press

Repeat mode deactivated. Select this to

• REM:

TRACK:

(DVD only).

• ALL:

• A-B:

window and the status bar. • TOTAL: Elapsed time of current title (DVD) or a disc selects the subtitle language (DVD) or (CD/VCD/SVCD) • T.REM: Remaining time of current title (DVD) or a disc subtitle (SVCD) during playback.

(CD/VCD/SVCD) (Except for DVD: while stopped, disc total time) selects a desired scene angle in a multi-Elapsed time of current chapter (DVD) or angle part (DVD only). track (CD/VCD/SVCD)

Remaining time of current chapter (DVD) or PROG. specifies the playback order of tracks while stopped (unavailable for DVD). You can program up to

1. After selecting PROG. icon, press the numeric

buttons to specify tracks in the desired order. • To correct the program, press ▲/▼ to move \(\sqrt{} \) to the track to be corrected, then press CANCEL. The track is erased and the subsequent programmed

selects the audio language (DVD), sound

track (DVD), or audio channel (VCD/SVCD) during

tracks move up. Pressing ■ clears all the programmed tracks.

2. Press ►(SELECT) to start program playback. During program playback, you cannot edit the program contents

• To exit the program mode, press ON SCREEN after clearing the program.

RND. activates random playback while stopped (unavailable for DVD)

After selecting RND. icon, press ENTER. The player starts random playback.

Audio/Video files playback

You can play back MP3/JPEG files on a CD/CD-R/RW.

Precautions

Use "ISO 9660" as the disc format.

 The player does not support "packet writing (UDF) files)" discs.

• The player supports discs recorded with up to five

multiple sessions. • The player may be unable to play back a disc due to

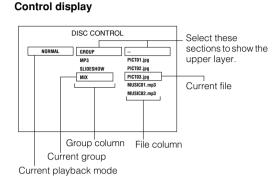
the characteristics or recording conditions. The player recognizes up to the fifth layer of groups, 999 files per group (including unplayable files), and up to 250 groups per disc.

 Add the appropriate extension (".mp3" and ".jpg") to the file name

 MP3i and MP3 Pro are not available. The player cannot play back a picture of more than 5120 x 3413 pixels (baseline JPEG) or 2048 x 1536 pixels (progressive JPEG).

Selecting a specific file or group

You can select files or folders (groups) using the Control display on the TV screen.



Press ▲/▼/◄/► to move the cursor bar to a desired file, then press ►(SELECT).

• When you press ENTER, only the selected file is played back (only for JPEG files).

Various playback mode

• REPEAT 1: Repeats the current file.

Various JPEG files playback To play back a disc continuously, select NORMAL

2. Press ENTER repeatedly to select the desired repeat

• REPEAT ALL: Repeats all files on the disc.

3. Press ► to move the cursor bar to the file column,

1. While stopped, press ▲/▼/◄/► to move the cursor

3. Press ► to move the cursor bar to the file column,

1. While stopped, press ▲/▼/◄/▶ to move the cursor

4. Repeat step 3 until all the desired files are selected.

move the cursor bar to the programmed files

2. Press ENTER repeatedly to select PROGRAM.

column, then press CANCEL.

2. Press ENTER repeatedly to select RANDOM.

REPEAT GROUP: Repeats all files in the current group.

Repeat playback 1. While stopped, press ▲/▼/◄/▶ to move the cursor

bar to playback mode.

then press ►(SELECT).

Random playback

Program playback

5. Press ►(SELECT).

ENTER.

bar to playback mode.

then press ►(SELECT).

bar to playback mode.

To zoom in a picture Press ZOOM

Each time you press ZOOM, you can magnify a JPEG file (x1.5/x2).

This function is not available for some JPEG files

depending on their resolution size and JPEG format.

To rotate/reflect a still picture

While a still picture is played back

Pressing
 In the picture by 90°.

 Pressing ▲ reflects the picture vertically Pressing ▼ reflects the picture horizontally.

To select a JPEG file from the thumbnail list

1. Press and hold THUMBNAIL/LIST while a JPEG file is selected on the Control display 2. Press ▲/▼/◄/► to select the desired picture, then

press ENTER. You can change the page of thumbnail list by

pressing I◄◄/▶►I.

Slide show playback of JPEG files

Press ►(SELECT) while a JPEG file is selected on the Control display. 3. Press ▲/▼/◄/▶ to select the desired file, then press

 To select slide show effect Press and hold ANGLE-SLIDE EFFECT until [SLIDE EFFECT MODE:] and the current mode appears on the TV screen

By pressing and holding the button repeatedly, you can select the effect from 11 effects, random effect selection (RAND), and no effect (NONE). The effect is not applied to progressive JPEG files.

Troubleshooting

Power

securely

Operation

the disc jacket.

Operation is not possible.

turn it on a few hours later.

and the disc tray does not open.

Power does not come on.

DVD VIDEO disc playback sound level is lower → Power plug is not inserted securely. Plug in than TV broadcast sound level.

→ Set the [D.RANGE CONTROL] preference to [TV

Analog audio output is distorted.

→ Set the [OUTPUT LEVEL] preference to [LOW].

MP3/JPEG

Audio

No sound and/or no picture comes out.

→ MP3/JPEG disc is recorded with the "packet writing (UDF file)." It cannot be played. Check the files you want to play back.

Files (tracks) are not played in the recorded order

→ This player plays the files in the alphabetic order. So, the playback order can vary.

Picture

Picture is noisy.

→ The player is connected to a VCR directly and the copyguard function is activated. Connect the player so that the picture signal flows directly to the TV. With some discs, the picture may be blurred when [PICTURE SOURCE] is set to [FILM] or [AUTO]. Set [PICTURE SOURCE] to [VIDEO (NORMAL)] or [VIDEO (ACTIVE)].

"REGION CODE ERROR!" is shown on the TV.

→ Microcomputer malfunction due to lightning or static

cord, then connect the power cord again.

→ The disc does not allow the operation, or an

[LOCK] is displayed on the display window

→ When you press while pressing down ■ on the

player in standby mode, the tray lock function is

activated. The disc tray cannot be opened or closed

pressing down ■ on the player in standby mode.

electricity. Turn off the power and unplug the power

→ Moisture condensation caused by a sudden change

of temperature or humidity. Turn off the power, then

unplayable disc is inserted. Check and replace the

player. Check the region code of the disc printed on

→ Region code of the inserted disc does not match the

Picture is distorted when using component (Y, PB, PR) or S-VIDEO jack(s).

→ Both the component connection and S-video connection are made. Disconnect the unused one

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

→ The player is in the progressive scanning mode though it is connected to a TV via the VIDEO or S-VIDEO jack. Observe the display window. If [P] is turned on, the player is in the progressive scanning Make the Progressive scanning mode inactive by

using the VFP-I/P button.

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Language codes list for the LANGUAGE menu

Initial settings

You can change the settings of this player according to your preferences and playing environment.

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playback.

How to set the Initial settings

1 Press SET UP. 2 Press <-/>
/► to select the menu.

LANGUAGE menu

3 Press ▲/▼ to move to select the item.

4 Press ENTER

5 Press **▲**/**▼** to select the options, then press ENTER.

To dismiss a preference display Press SET UP.

MENU LANGUAGE You can select the default menu language of DVD VIDEO. **AUDIO LANGUAGE** You can select the default audio language of DVD VIDEO. ou can select the default subtitle language of DVD VIDEO. ON SCREEN LANGUAGE You can select "ENGLISH," "CHINESE," or "SPANISH" as the on-screen language.



MONITOR TYPE You can select the monitor type to match your TV when you play back DVD VIDEO discs recorded for wide-screen televisions. 4:3 LB [16:9] (Wide television screen): For a wide-screen (16:9) TV. [4:3 LB] (Letter Box conversion): For a normal (4:3) TV. Displays a wide-screen picture to fit the width of the TV screen keeping the aspect ratio. [4:3 PS] (Pan Scan conversion): For a normal (4:3) TV. The picture is zoomed up to 4:3 PS filling the screen vertically and the left and right sides of the picture are cut off. PICTURE SOURCE You can obtain optimal picture quality by selecting the source type of the disc contents **[AUTO]:** Normally, select this option. The player recognizes the picture type (film or video source) of the current disc according to the disc information. **[FILM]:** For a film source disc. [VIDEO(NORMAL)]: For a video source disc with relatively a few movements. [VIDEO(ACTIVE)]: For a video source disc with relatively a lot of movements. SCREEN SAVER ou can set the screen saver function to ON or OFF. COLOUR SYSTEM You need to select the color system format according to your TV. [PAL]: A TV supporting PAL system. [NTSC]: A TV supporting NTSC system [MULTI]: A TV supporting both PAL and NTSC systems. The player outputs a PAL or NTSC video signal according to the disc BACKGROUND You can use your favorite image as the opening display. **[STANDARD]:** Display the JVC original image. [USER]: Display your favorite image as the opening display when a JPEG image is [SAVE AS BACKGROUND]: To register a new image, select this while a JPEG

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image is displayed on the TV.

AUDIO menu

ltem • During MP3 files playback, you cannot show the menus. DIGITAL AUDIO OUTPUT Set this item correctly according to the logo on your receiver or decoder • If the upper and lower parts of the menu are cut off, [PCM ONLY]: Receiver/decoder bearing neither Dolby Digital nor DTS logo, or digital adjust the picture size control of the TV. • For settings of the LANGUAGE menu or the PARENTAL [DOLBY DIGITAL/PCM]: Receiver/decoder bearing Dolby Digital logo and no DTS. LOCK menu, see also the code lists on the right. STREAM/PCM]: Receiver/decoder bearing both Dolby Digital and DTS logos. • Depending on the disc, the settings may not apply correctly. ANALOG DOWNMIX Set this item properly according to your analog audio connection to play the sound of the surround multichannel audio on a DVD VIDEO. [DOLBY SURROUND]: Select this when connecting to a surround decoder [STEREO]: Select this when connecting to a stereo amplifier or TV, or in case you want to record from a DVD VIDEO to a MiniDisc, cassette, etc. D.RANGE CONTROL Set this item to listen to DVD VIDEO recorded in Dolby Digital format at low or middle volume. [WIDE RANGE]: You can enjoy powerful playback sound. NORMALI: Normally, select this



OUTPUT LEVEL

ltem Contents RESUME You can select the resume playback mode stopped if the disc is still in the disc trav. **IOFF1:** This function is deactivated. **DISC RESUME]:** The player resumes playback of the last 10 discs played. The player retains a memory of the stopped position of each disc even if the disc is removed from the disc tray. ON SCREEN GUIDE Activate or deactivate the on-screen guide. **AUTO STANDBY** Set the time until the player turns off (into standby) automatically if playback is stopped for more than 30 minutes or 60 minutes AV COMPULINK MODE Set this item correctly when using the AV COMPU LINK system. See "Using the AV

COMPU LINK system" in "Connections."

program to make the sound at a lower volume clear.

terminals. If the sound from the speaker is distorted, select [LOW].

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Contents

TV MODE: Select this if the sound level of DVD VIDEO is lower than the one of TV

Set this item to attenuate the level of the signal output from the analog AUDIO OUT

PARENTAL LOCK

Select this item, then press ENTER to show the PARENTAL LOCK menu for limiting playback by children. Scenes which are limited by this function are not played or eplaced with other scenes.

COUNTRY CODE]: Select the code of your country/area. **SET LEVEL]:** Select the level of restriction. ("1" is the strictest.)

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[PASSWORD]: Enter your 4-digit password by pressing the numeric buttons (0 to 9). **[EXIT]:** Select this and press ENTER to go back to the OTHERS menu.

• Some DVD VIDEO cannot be played by this function. If you try to play such a disc, the PARENTAL LOCK menu appears on the TV and asks whether you want to release the lock or not.

To release the lock and play, select "TEMPORARY RELEASE," press ENTER, then enter your password. Otherwise, eject the disc.

• To change the setting of the limitation, you need to enter your password.

If you forget your password, enter "8888."

Country/Area code list for Parental Lock

AD	Andorra	CI	Côte d'Ivoire	GQ	Equatorial	LA	Lao People's	O	1 Oman	TF	French Southern
ΑE	United Arab	CK	Cook Islands		Guinea		Democratic	PA		' '	Territories
	Emirates	CL	Chile	GR	Greece		Republic	PE	Peru	TG	Togo
AF	Afghanistan	СМ	Cameroon	GS	South Georgia	LB	Lebanon	PF	French	TH	Thailand
AG	Antigua and	CN	China		and the South	LC	Saint Lucia		Polynesia	TJ	Tajikistan
	Barbuda	CO	Colombia	O.T.	Sandwich	LI	Liechtenstein	PC	Papua New	TK	Tokelau
ΑI	Anguilla	CR	Costa Rica	GT	Guatemala	LK	Sri Lanka		Guinea	TM	Turkmenistan
AL	Albania	CU	Cuba	GU	Guam	LR	Liberia	PH	pp	TN	Tunisia
AM	Armenia	CV	Cape Verde	GW	Guinea-Bissau	LS	Lesotho	Pk	Pakistan	ТО	Tonga
ΑN	Netherlands	CX	Christmas Island	GY	Guyana	LT	Lithuania	PL	Poland	TP	East Timor
	Antilles	CY	Cyprus	HK	Hong Kong	LU	Luxembourg	PN	Saint Pierre and	TR	Turkey
AO	Angola	CZ	Czech Republic	HM	Heard Island and McDonald	LV	Latvia	_	Miquelon	TT	Trinidad and
AQ	Antarctica	DE	Germany		Islands	LY	Libyan Arab	PN			Tobago
AR	Argentina	DJ	Diibouti	HN	Honduras		Jamahiriya	PF		TV	Tuvalu
AS	American	DK	Denmark	HR	Croatia		Morocco	PT		TW	Taiwan
	Samoa	DM	Dominica	HT	Haiti	MC	Monaco		/ Palau	TZ	Tanzania,
AT	Austria	DO	Dominica	HU	Hungary	MD	Moldova,	PY			United Republic
AU	Australia	рО	Republic	ID	Indonesia		Republic of	Q/			of
AW	Aruba	DZ	Algeria	IE			Madagascar	RE	Réunion	UA	Ukraine
ΑZ	Azerbaijan	EC	Ecuador		Ireland	МН	Marshall Islands	RC	Romania	UG	- 3
BA	Bosnia and	EE	Estonia	IL IN	Israel	ML	Mali	RU		UM	
-	Herzegovina	EG	Egypt		India		Myanmar		Federation		Minor Outlying Islands
BB	Barbados	EH	Western Sahara	Ю	British Indian Ocean Territory		Mongolia	1	/ Rwanda	us	United States
BD	Bangladesh	ER	Eritrea	IQ	Iraq		Macau	SA		UY	Uruguay
BE	Belgium	ES	Spain	IR	Iraq Iran (Islamic	MP	Northern	SE		UZ	Uzbekistan
BF	Burkina Faso		Ethiopia	III	Republic of)		Mariana Islands	SC		VA	Vatican City
BG	Bulgaria	ET		IS	Iceland		Martinique	SE		VA	State (Holy See)
ВН	Bahrain	FI FJ	Finland	İT	Italy		Mauritania	SE	Sweden	VC	Saint Vincent
ВΙ	Burundi	_	Fiji	JM	Jamaica	MS	Montserrat	SC	Singapore	•	and the
BJ	Benin	FK	Falkland Islands	JO	Jordan	MT	Malta	SH	Saint Helena		Grenadines
ВМ	Bermuda	FM	Micronesia (Federated	JP	Japan	MU	Mauritius	SI	Slovenia	VE	Venezuela
BN	Brunei		States of)	KE	Kenya	MV	Maldives	SJ	Svalbard and Jan	VG	Virgin Islands
	Darussalam	FO	Faroe Islands	KG		MW	Malawi		Mayen		(British)
ВО	Bolivia	FR	France	KH	Kyrgyzstan Cambodia	MX	Mexico	Sk		VI	Virgin Islands
BR	Brazil	FX	France.			MY	Malaysia	SL	Sierra Leone		(U.S.)
BS	Bahamas	^	Metropolitan	KI	Kiribati	MZ	Mozambique	SN		VN	Vietnam
ВТ	Bhutan	GA	Gabon	KM	Comoros	NA	Namibia	SN	Senegal	VU	Vanuatu
BV	Bouvet Island	GB	United Kingdom	KN	Saint Kitts and Nevis	NC	New Caledonia	SC	Somalia	WF	
BW	Botswana	GD	Grenada	KP	Korea.	NE	Niger	SF	Suriname	14/2	Futuna Islands
BY	Belarus	GE	Georgia	IV.	Democratic	NF	Norfolk Island	ST		WS	
ΒZ	Belize	GF	French Guiana		People's	NG	Nigeria		Principe	YE	Yemen
CA	Canada	GH	Ghana		Republic of	NI	Nicaragua	S۱		YT	Mayotte
CC	Cocos (Keeling)	GI	Gibraltar	KR	Korea, Republic	NL	Netherlands	SY		YU	Yugoslavia
L	Islands	GL	Greenland		of	NO	Norway	_	Republic	ZA	South Africa
CF	Central African	GM	Gambia	KW	Kuwait	NP	Nepal	SZ		ZM	Zambia
-	Republic	GN	Guinea	KY	Cayman Islands		Nauru	TC		ZR	Zaire
	Congo	GP	Guadeloupe	ΚZ	Kazakhstan	NU	Niue	_	Caicos Islands	ZW	Zimbabwe
CH	Switzerland	GP	Guadeloupe				New Zealand	TD	Chad		

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

Specifications Specifications and appearance are subject to change without prior notice.

General Readable discs:

DVD VIDEO, DVD-R (Video format), DVD-RW (Video format), SVCD, Video CD, Audio CD (CD-DA), CD-R/RW (CD-DA, SVCD, Video CD, MP3 format, JPEG)

Video format: NTSC: PAL: 625i/625p

Other

Power requirements: AC 110 V - 240 V \sim , 50 Hz/60 Hz (Only for the Australia model: AC 220 V - 240 V \sim ,

Power consumption: 11.0 W (POWER ON), 1.0 W (STANDBY mode)

Mass: 1.5 kg Dimensions (W x H x D): 435 mm x 44 mm x 201.5 mm

Video outputs

Component (pin jacks)
Y Output: 1.0 Vp-p (75 Ω) *PB/PR Output:* 0.7 Vp-p (75 Ω) *VIDEO (pin jack):* 1.0 Vp-p (75 Ω)

S-VIDEO (S iack) **Y Output:** 1.0 Vp-p (75 Ω) *C Output:* 286 mVp-p (75 Ω) Horizontal resolution: 500 lines or more

Audio outputs

ANALOG OUT (pin jack): 2.0 Vrms (10 k Ω) DIGITAL OUT (COAXIAL): 0.5 Vp-p (75 Ω termination)

Digital bitstream signals) DVD (sampling frequency 96 kHz): 2 Hz to 44 kHz Wow and flutter: Unmeasurable (less than ± 0.002%) Total harmonic distortion: less than 0.009%

CD (sampling frequency 44.1 kHz): 2 Hz to 20 kHz

2 Hz to 22 kHz(4 Hz to 20 kHz for DTS and Dolby

Audio characteristics

DVD (sampling frequency 48 kHz):

Frequency response

Manufactured under license from Dolby

Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories. • "DTS" and "DTS Digital Out" are trademarks of Digital

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other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited

• "CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525p AND 625p DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.'

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