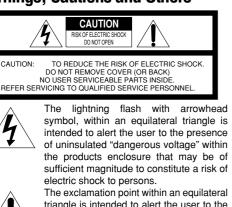


#### For customer use

Basic O

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. Serial No.



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 ELECTRIC SHOCK. DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

This equipment has been tested and found to comply

lpart 15 of the FCC Rules. hese limits are designed to provide reasonable protection against harmful interference in a residential installation. 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

technician for help.

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

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.

### CAUTION

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

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

Caution — @/|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.

CAUTION HIS PRODUCT USES A LASER SYSTEM LISE OF CONTROLS OR AD ILLISTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION 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

### AUTION - VISIBLE OR INVISIBLE LASER RADIATION WHEN OPEN. Do not stare into beam. Ttention - Rayonnement laser visible ou invisible en cas d'ouverture ATTENTION NE PAS REGARDER DANS LE FAISCEAU

• 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.

### 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 (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
- 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 

# 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, 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

2

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. Plaving 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.

CAUTION vith the limits for a Class B digital device, pursuant to

Consult the dealer or an experienced radio/TV

For Canada

INSERT

# 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.

NOTES

monaural.

with the player.

Connecting to a digital audio device

decoder or an amplifier with a built-in decode

If your TV has a monaural audio input

instead of stereo, use an optional audio

cable which converts stereo audio output to

• 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,

mode which provides the best picture quality

you can select the progressive scanning

The S-VIDEO jack and component (Y, PB,

When using the S-VIDEO jack, do not

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

connect the component (Y, PB, PR) jacks

PR) jacks cannot be used at the same time.

# **Basic Connection**

Audio/vide

(supplied)

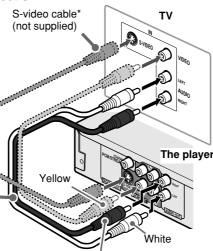
VIDEO VIDEO PA

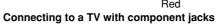
NOTES

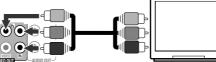
NOTE

correctly

cable'







To component video input

To switch the scanning mode between Progressive and Interlace, 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)" • When using component (Y, PB, PR) jacks, do not connect S-VIDEO jack with the player

About the scanning mode indicato

About the scanning mode mulcator						
[PICTURE SOURCE] of	Source type	e of DVD VIDEO				
the PICTURE menu	Film source	Video source				
AUTO	[DDP]	[P]				
FILM	[DDP]	[DDP]				
VIDEO(NORMAL)/ (ACTIVE)	[P]	[P]				

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

3

# Advanced Operations

Advanc	ced Uperations						
	g the language, sound	h			٢	Changiı	ng the picture tone (VFP)
1 Press th 2 Press th ▲/▼ to s	nd scene angle ne button. ne button repeatedly or select the desired item. NTER to finish the			TANDEY ON O/I COO LAY ON SCREEN THUMBNAIL/ LIST		function al picture ch type of pro	/ideo Fine Processor) lows you to adjust the aracter according to the ogramming, picture tone or oreferences.
Buttons	To do					2 Press	✓/► to select the desired
AUDIO	For DVD Video: select audio languages. For SVCD/VCD: select the audio channel.			NEXT I		USER 1	Selected Preset
SUBTITLE	select the subtitle.		1 2	3		SATURA	
ANGLE	select the view-angle.		4 5 7 8	6 9		TINT SHARPN Y DELAY	
	jing the Sound Field	Ϊİ					Parameter
	ou press <b>SOUND</b> le Sound Effect mode		GROUP SOUND			NORMAL	For watching TV in a general room.
	lue becomes bigger, the fect works stronger.	Ľ	ANGLE SUBTITLE AUD			CINEMA	For watching a movie software in a room with suppressed light.
Zoo	oming the picture					USER1 USER2	You can adjust parameters that affect the picture character and store the settings as a user preset. See below.
Each time y magnificatio • You can u	ou press <b>ZOOM</b> , the	1	o adjust the pi Select "USE Press ▲/▼ to	R1" or "U	SE		en press ENTER.
To return to	the normal playback, ormal size by pressing		GAMMA	The brig	htne		color is bright or dark. and bright portion is HIGH).
	-	1	BRIGHTNESS				is bright or dark on the +16 (brightest)).
			CONTRAST	Adjust th (-12 to +			near position is unnatural
			SATURATION			the picture st) to +16 (	is whitish or blackish whitest)).
			TINT			the appear 16 to +16).	rance of flesh tone is
			SHARPNESS	Adjust th	is if	the picture	is indistinct (LOW/HIGH).
			Y DELAY			the picture (-2 to +2).	looks separately/
		4	Press ▲/▼ to Repeat step Press VFP-I/	2 and 3 t	o ad	ljust other	then press ENTER. parameters.

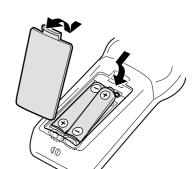
# Turning on the power

# 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, replace the batteries.

### 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 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 screen

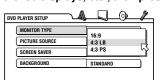
EXECUTE DVD PLAYER SETUP? - BASIC PICTURE/AUDIO						
SETTING						
YES - PRESS ENTER	NO - PRESS CANCEL					

Before enjoying this player, make the initial settings as follows

### 1 Press ENTER.

A	
) PLAYER SETUP	
MENU LANGUAGE	ENGLISH
AUDIO LANGUAGE	ENGLISH
SUBTITLE	OFF
ON SCREEN LANGUAGE	ENGLISH FRENCH SPANISH

2 Press ▲/▼ to select the on-screen language for the preference displays, etc., then press ENTER.



- 3 Press  $\blacktriangle/\nabla$  to select the monitor type, then press ENTER. • For a normal (conventional) TV, select "4:3 LB" or
- "4:3 PS." (See "MONITOR TYPE" in "Initial settings.")
- For a wide-screen TV, select "16:9."

DVD I	PLAYER SETUP					
	DIGITAL AUDIO OUTPUT	PCM ONLY				
	ANALOG DOWNMIX	DOLBY DIGITAL/PCM				
	D.RANGE CONTROL	STREAM/PCM				
	OUTPUT LEVEL	STANDARD				

4 Press ▲/▼ to select a desired digital output signal type, then press ENTER. Set this item correctly according to the logo on your

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 no DTS, select "DOLBY DIGITAL/PCM."
- 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 Press SET UP for a few seconds until the DVD PLAYER SETUP display appears.

quit repeat mode

In any condition

random plavback

or random plavback

**CHAP. specifies a chapter to play back from** 

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

subtitle (SVCD) during playback.

angle part (DVD only).

tracks move up.

program contents.

clearing the program.

(unavailable for DVD).

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

VCD/SVCD: In any condition except PBC or program

selects the audio language (DVD), sound

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

selects the subtitle language (DVD) or

selects a desired scene angle in a multi-

PROG. specifies the playback order of tracks while

1. After selecting PROG. icon, press the numeric

buttons to specify tracks in the desired order.

stopped (unavailable for DVD). You can program up to

• To correct the program, press ▲/▼ to move K to the track to be corrected, then press CANCEL. The

track is erased and the subsequent programmed

Pressing  $\blacksquare$  clears all the programmed tracks.

• During program playback, you cannot edit the

• To exit the program mode, press ON SCREEN after

RND. activates random playback while stopped

After selecting RND. icon, press ENTER.

The player starts random playback.

2. Press ►(SELECT) to start program playback.

Repeat mode deactivated. Select this to

In any condition except program or

• OFF:

DVD:

(DVD only)

playback

99 tracks.

CD:

# Menu bar functions

use various functions from the menu bar.

# g up the menu bar

#### lisc is inserted, press ON SCREEN twice. par for the type of disc inserted will appear

status bar

### u bar for DVD VIDEO

8.5Mbps TITLE 33 CHAP 33 TOTAL 1:25:58 >

0 0 FF (2) → CHAP. → CDD 1/3 (..... 1/5 (2) → 1/3

ss the menu bar and the status bar, press ON

### peration procedure

- ✓/► to select the icon you want to work with. ENTER.
- oressing 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

TIME selects the time mode shown in the display

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

# selects repeat mode.

- DVD: During playback CD:
- VCD/SVCD: In any condition except PBC playback • CHAPTER: Current chapter repeat (DVD)
- TITLE: Current title repeat (DVD) • TRACK: Current track repeat (CD/VCD/SVCD)
- ALL: All track repeat (CD/VCD/SVCD)
- A-B repeat (During playback). After • A-B:
  - selecting A-B, press ENTER at the beginning point of repeat, then press ENTER again at the end point.

To analog audio input To digital audio input

To analog audio input

### NOTES • Depending on the disc, no signal may be outputted 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 AUDIO OUTPUT" in "Initial settings.")

1	Changing the picture tone (VFP)	You can u
N	The VFP (Video Fine Processor) function allows you to adjust the picture character according to the type of programming, picture tone or personal preferences.	To bring When a d A menu ba under the Ex.: Menu
	<ol> <li>Press VFP-I/P.</li> <li>Press ◄/► to select the desired preset.</li> </ol>	
° <b>/</b>	GAMMA MD Preset	To dismiss SCREEN.
	BRIGHTNESS + 4 CONTRAST +10 SATURATION +10 TINT +10 SUMDENESS -000	Basic op 1 Press 2 Press After p

# when you can use a certain function. Menu bar functions

window and the status bar.

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

In any condition

### Audio/Video files playback

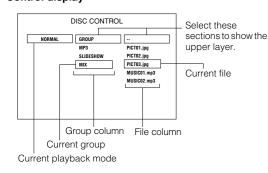
You can play back MP3/JPEG files on a CD/CD-R/RW

### 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. Control display



#### Press $A/\nabla/\langle \rangle$ to move the cursor bar to a desired file, then press ►(SELECT).

• When you press ENTER, only the selected file is played back (except for MP3 files).

# Various playback mode

• To play back a disc continuously, select NORMAL.

### **Repeat playback** 1. While stopped, press $A/ \nabla / < >$ to move the cursor

- bar to playback mode. 2. Press ENTER repeatedly to select the desired repeat
- mode. • REPEAT 1: Repeats the current file.
- REPEAT GROUP: Repeats all files in the current aroup
- REPEAT ALL: Repeats all files on the disc. 3. Press ► to move the cursor bar to the file column, then press ►(SELECT).

# Random playback

- 1. While stopped, press  $\blacktriangle / \checkmark / \checkmark / \checkmark$  to move the cursor bar to playback mode.
- 2. Press ENTER repeatedly to select RANDOM. 3. Press ► to move the cursor bar to the file column,
- then press ►(SELECT).

### Program playback

- 1. While stopped, press  $\blacktriangle/ \bigtriangledown / \checkmark / \blacklozenge$  to move the cursor bar to playback mode.
- 2. Press ENTER repeatedly to select PROGRAM.
- 3. Press  $\blacktriangle / \checkmark / \checkmark / \checkmark$  to select the desired file, then press FNTFR. 4. Repeat step 3 until all the desired files are selected.
- move the cursor bar to the programmed files column, then press CANCEL.

DVD VIDEO disc playback sound level is lower

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

than TV broadcast sound level.

5. Press ►(SELECT).

# Various JPEG files playback

### To zoom in a picture

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

NOTE 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 
 ► rotates the picture by 90°.
 

# Pressing ▼ reflects the picture horizontally

To select a JPEG files from the thumbnail list 1. Press and hold THUMBNAIL/LIST while a JPEG file is selected on the Control display.

2. Press  $\blacktriangle/ \bigtriangledown/ \lt/ \blacktriangleright$  to select the desired picture, then

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

### Slide show playback of JPEG files

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

 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.

# 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. MENU LANGUAGE ENGLISH AUDIO LANGUAGE ENGLISH ON SCREEN LANGUAGE ENGLISH

- 2 Press  $\checkmark$  to select the menu. 3 Press  $\blacktriangle/\blacksquare$  to move to select the item.
- Press ENTER.
- Press ▲/▼ to select the options, then press ENTER.

#### To dismiss a preference display Press SET UP

### NOTES

- 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

9

Audio

MODF1

MP3/JPEG

order.

# Troubleshooting

# Power

# 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 disc

### [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 in this status. To release this status, press **A** while 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 mode.
- Make the Progressive scanning mode inactive by using the VFP - I/P button.

C	country/Area	CO	de list for Pa	ren	ital Lock				
AD	Andorra	CY	Cyprus		Israel	MV	Maldives	SO	Somalia
AE	United Arab Emirates	CZ	Cyprus Czech Republic		India	MW			Suriname
		DE						SR ST	Sunname Sao Tome and
AF AG	Afghanistan	DJ	Germany				Mexico	131	Principe
	Antigua and Barbuda	DJ	Djibouti		Iraq	MY MZ	Malaysia	sv	El Salvador
AI	Anguilla		Denmark	IR	Iraq Iran (Islamic Republic of)				Syrian Arab Republic
AL	Albania	DM	Dominica	IS	Iceland	NA Namibia		SY SZ	Swaziland
AM	Armenia	DO	Dominican Republic	IT IT	Italy	NC NE	New Caledonia	TC	Turks and Caicos
AN	Netherlands Antilles	DZ EC	Algeria	JM	Jamaica		Niger	110	Islands
AO	Angola		Ecuador	JO	Jordan	NG	NF Norfolk Island		Chad
AQ	Antarctica	EE EG	Estonia	JP	Japan	NI	Nigeria	TF	French Southern
AR AS	Argentina American Samoa	EH	Egypt Western Sahara	KE	Kenya	NL	Nicaragua Netherlands		Territories
AS	American Sanioa	ER	Eritrea	KG	Kyrgyzstan	NO		TG	Togo
		ES		KH	Cambodia	NP	Norway	TH	Thailand
AU AW	Australia	ET	Spain	KI	Kiribati	NR	Nepal	TJ	Tajikistan
AVV	Aruba	FI	Ethiopia	KM	Comoros	NU	Nauru Niue	TK	Tokelau
BA	Azerbaijan	FJ	Finland	KN	Saint Kitts and Nevis	NZ	New Zealand	TM	Turkmenistan
BB	Bosnia and Herzegovina	FK	Fiji Falkland Islanda	KP	Korea. Democratic	OM		TN	Tunisia
BD	Barbados	FM	Falkland Islands		People's Republic of	PA	Oman Panama	TO	Tonga
BE	Bangladesh		Micronesia (Federated States of)	KR	Korea, Republic of	PA	Panama Peru	TP	East Timor
BF	Belgium	FO	Faroe Islands	кw	Kuwait	PE		TR	Turkey
BG	Burkina Faso	FR	France	KY	Cayman Islands	PF	French Polynesia	TT	Trinidad and Tobago
BH	Bulgaria Bahrain	FX	France, Metropolitan	KZ	Kazakhstan	PG	Papua New Guinea	TV	Tuvalu
	Burundi	GA	Gabon	LA	Lao People's	PH	Philippines	TW	Taiwan
BI BJ	Benin	GB	United Kingdom		Democratic Republic	PL	Pakistan Poland	TZ	Tanzania, United
BM		GD	Grenada	LB	Lebanon	PL	Saint Pierre and		Republic of
	Bermuda	GE	Georgia	LC	Saint Lucia	PM	Miguelon	UA	Ukraine
BN	Brunei Darussalam	GF	French Guiana	LI	Liechtenstein	PN	Pitcairn	UG	Uganda
BO BR	Bolivia Brazil	GH	Ghana	LK	Sri Lanka	PR	Puerto Rico	UM	United States Minor
BS		GI	Gibraltar	LR	Liberia	PT	Portugal	US	Outlying Islands United States
BT	Bahamas Bhutan	GL	Greenland	LS	Lesotho	PW	Palau		
BV	Bouvet Island	GM	Gambia	LT	Lithuania	PY Paraguay			Uruguay Uzbekistan
BW	Botswana	GN	Guinea	LU	Luxembourg	QA			Vatican City State
BY	Belarus	GP	Guadeloupe	LV	Latvia	RE	Réunion	VA	(Holy See)
BZ	Belize	GQ	Equatorial Guinea	LY	Libyan Arab Jamahiriya	RO	Romania	VC	Saint Vincent and the
CA	Canada	GR	Greece	MA	Morocco	RU	Russian Federation	11.0	Grenadines
CC	Cocos (Keeling) Islands	GS	South Georgia and the	MC	Monaco	RW	Rwanda	VE	Venezuela
CF	Cocos (Reening) Islands Central African Republic	0.0	South Sandwich	MD	Moldova, Republic of	SA	Saudi Arabia	VG	Virgin Islands (British)
CG	Congo	GT	Guatemala	MG	Madagascar	SB	Solomon Islands	VI	Virgin Islands (U.S.)
CH	Switzerland	GU	Guam	MH	Marshall Islands	SC	Sevchelles	VN	Vietnam
CI	Côte d'Ivoire	GW	Guinea-Bissau	ML	Mali	SD	Sudan	VU	Vanuatu
CK	Cook Islands	GY	Guyana	MM	Myanmar	SE	Sweden	WF	Wallis and Futuna
CL	Cook Islands	HK	Hong Kong	MN	Mongolia	SG	Singapore		Islands
CM	Cameroon	HM	Heard Island and	MO	Macau	SH	Saint Helena	WS	Samoa
CN	China		McDonald Islands	MP	Northern Mariana	SI	Slovenia	YE	Yemen
CO	Colombia	HN	Honduras		Islands	SJ	Svalbard and Jan Mayen	YT	Mayotte
CR	Costa Rica	HR	Croatia	MQ	Martinique	SK	Slovakia	YU	Yugoslavia
CU	Cuba	HT	Haiti	MR	Mauritania	SL Sierra Leone		ZA	South Africa
CV		HU	Hungary	MS	Montserrat	SL Sierra Leorie SM San Marino		ZM	Zambia
CX	Cape Verde Christmas Island	ID	Indonesia	MT	Malta	SN	Senegal	ZR	Zaire
0	Uninstillas Islanu	IE	Ireland	MU	Mauritius	0.1	gu.	ZW	Zimbabwe
	anguage coo								
AA	Afar CA Catala	In	GL Galician Kł	K Kaza	akh ML Malayalan	n     F	PS Pashto, SL S	Sloveni	an TL Tagalog

4A	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	MO	Moldavian		Portuguese	SN	Shona	TO	Tongan
٩M	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	DZ	Bhutani	HR	Croatian	KS	Kashmiri	MT	Maltese		Romance	SR	Serbian	TT	Tatar
AY	Aymara	EL	Greek	HU	Hungarian	KU	Kurdish	MY	Burmese	RN	Kirundi	SS	Siswati	TW	Twi
٩Z	Azerbaijani	EO	Esperanto	HY	Armenian	KY	Kirghiz	NA	Nauru	RO	Rumanian	ST	Sesotho	UK	Ukrainian
BA	Bashkir	ET	Estonian	IA	Interlingua	LA	Latin	NE	Nepali	RU	Russian	SU	Sundanese	UR	Urdu
BE	Byelorussian	EU	Basque	IE	Interlingue	LN	Lingala	NL	Dutch		Kinyarwanda	SV	Swedish	UZ	Uzbek
3G	Bulgarian	FA	Persian	IK	Inupiak	LO	Laothian	NO	Norwegian	SA	Sanskrit	SW	Swahili	VI	Vietnamese
3H	Bihari	FI	Finnish	IN	Indonesian	LT	Lithuanian	OC	Occitan	SD	Sindhi	TA	Tamil	VO	Volapuk
31	Bislama	FJ	Fiji	IS	Icelandic	LV	Latvian,	OM	(Afan) Oromo	SG	Sangho	TE	Telugu	WO	Wolof
3N	Bengali,Ban-	FO	Faroese	IW	Hebrew		Lettish	OR	Oriya	SH	Serbo- Croatian	TG	Tajik	XH	Xhosa
	gla	FY	Frisian	JI	Yiddish		Malagasy	PA	Panjabi	SI	Singhalese	TH	Thai	YO	Yoruba
30	Tibetan	GA	Irish	JW	Javanese	MI	Maori	PL	Polish	-	Slovak	TI	Tigrinya	ZU	Zulu
3R	Breton	GD	Scots Gaelic	KA	Georgian	MK	Macedonian			JON	JIUVAK	TK	Turkmen	<u> </u>	



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# Country/Area and list for Derental Look

# LANGUAGE menu

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	AUDIU	
	110010	

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.
SUBTITLE	You can select the default subtitle language of DVD VIDEO.
ON SCREEN LANGUAGE	You can select "ENGLISH," "FRENCH," or "SPANISH" as the on-screen language.

# PICTURE menu

Item	Contents
MONITOR TYPE 16:9 4:3 LB 4:3 PS 4:3 PS	<ul> <li>You can select the monitor type to match your TV when you play back DVD VIDEO discs recorded for wide-screen televisions.</li> <li>[16:9] (Wide television screen): For a wide-screen (16:9) TV.</li> <li>[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.</li> <li>[4:3 PS] (Pan Scan conversion): For a normal (4:3) TV. The picture is zoomed up to filling the screen vertically and the left and right sides of the picture are cut off.</li> </ul>
PICTURE SOURCE	<ul> <li>You can obtain optimal picture quality by selecting the source type of the disc contents.</li> <li>[AUTO]: Normally, select this option. The player recognizes the picture type (film or video source) of the current disc according to the disc information.</li> <li>[FILM]: For a film source disc.</li> <li>[VIDEO(NORMAL)]: For a video source disc with relatively a few movements.</li> <li>[VIDEO(ACTIVE)]: For a video source disc with relatively a lot of movements.</li> </ul>
SCREEN SAVER	You can set the screen saver function to ON or OFF.
BACKGROUND	<ul> <li>You can use your favorite image as the opening display.</li> <li>[STANDARD]: Display the JVC original image.</li> <li>[USER]: Display your favorite image as the opening display when a JPEG image is registered.</li> <li>[SAVE AS BACKGROUND]: To register a new image, select this while a JPEG image is displayed on the TV.</li> </ul>

Item	Contents
DIGITAL AUDIO OUTPUT	<ul> <li>Set this item correctly according to the logo on your receiver or decoder.</li> <li>[PCM ONLY]: Receiver/decoder bearing neither Dolby Digital nor DTS logo, or digital recorder.</li> <li>[DOLBY DIGITAL/PCM]: Receiver/decoder bearing Dolby Digital logo and no DTS.</li> <li>[STREAM/PCM]: Receiver/decoder bearing both Dolby Digital and DTS logos.</li> </ul>
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	<ul> <li>You can select the resume playback mode.</li> <li>[ON]: The player resumes playback from the position where playback has been stopped if the disc is still in the disc tray.</li> <li>[OFF]: This function is deactivated.</li> <li>[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.</li> </ul>
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.
PARENTAL LOCK PRENTAL LOC RECTIVICAL LOC EST LOVE ST LOVE ST LOVE ST LOVE ST	<ul> <li>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.</li> <li>[COUNTRY CODE]: Select the code of your country/area.</li> <li>[SET LEVEL]: Select the level of restriction. ("1" is the strictest.)</li> <li>[PASSWORD]: Enter your 4-digit password by pressing the numeric buttons (0 to 9).</li> <li>[EXIT]: Select this and press ENTER to go back to the OTHERS menu.</li> <li>Notes:</li> <li>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.</li> <li>To release the lock and play, select "TEMPORARY RELEASE," press ENTER, then enter your password. Otherwise, eject the disc.</li> <li>To change the setting of the limitation, you need to enter your password.</li> <li>If you forget your password, enter "8888."</li> </ul>

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	I IMITED W	
		PURCHASED IN U.S.A. CONSUMER VIDEO 1-90
	RCHASER to be FREE FF	luct and all parts thereof, except as set forth below ONLY ROM DEFECTIVE MATERIALS AND WORKMANSHIP from ow. ("The Warranty Period")
	PARTS <b>1</b> YR	LABOR 90 DAYS
THE COMMONWEALTH OF		TY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND
ebuilt equivalents at no charge uring normal business hours at emainder of the Warranty Perio color televisions with a screen s	to the original owner. Su d JVC authorized service of od. All products may be b size of 27" or greater qua	y period, JVC will repair or replace defective parts with new or uch repair and replacement services shall be rendered by JVC centers. Parts used for replacement are warranted only for the prought to a JVC authorized service center on a carry-in basis. alify for in-home service. In such cases, a technician will come ind return it if it cannot be repaired in your home.
WHAT YOU MUST DO FOR WA		ý
enter, please be sure to packa ne problem(s). Please call 1-8	the JVC authorized serv ge it carefully, preferably 00-252-5722 to locate the website http://www.jvc.cd	ice center nearest you. If shipping the product to the service y in the original packaging, and include a brief description of ne nearest JVC authorized service center. Service locations om. If your product qualifies for in-home service, the service
you have any questions co t 800-252-5722	ncerning your JVC Pro	oduct, please contact our Customer Relations Department
installation, lack of reasonal JVC to render such service, number has been altered, te 2. Initial installation, installatio 3. Operational adjustments ct 4. Damage that occurs in ship 5. Signal reception problems 6. User Removal Memory Device 7. Accessories; 8. Batteries (except that Rech 9. Products used for commerce	subject to abuse, accident ble care, or if repaired or , or if affixed to any attac ampered with, defaced on n and removal from cabi overed in the Owner's M oment, due to act of Goo and failures due to line ss/Video Pick-up Tubes/CCi hargeable Batteries are c cial purposes, including,	t, alteration, modification, tampering, negligence, misuse, faulty serviced by anyone other than a service facility authorized by shment not provided with the products, or if the model or serial r removed; inets or mounting systems. fanual, normal maintenance, video and audio head cleaning; d, and cosmetic damage; power surge; D Image Sensors are covered for 90days from the date of purchase; covered for 90 days from the date of purchase);
here are no express warrantie		
MITED TO THE DURATION O	F THE EXPRESS WARR	
MAAGES, WHETHER DIRE MAAGE TO TAPES, RECORD DF ANY BREACH OF THIS VARRANTIES OF MERCHAN VARRANTY PERIOD SET FOR	CT, INCIDENTAL OR DS OR DISCS) RESULTII WARRANTY. ALL EX ITABILITY AND FITNES RTH ABOVE.	ISE OF THE PRODUCT, INCONVIENCE, OR ANY OTHER CONSEQUENTAL (INCLUDING, WITHOUT LIMITATION, NG FROM THE USE OF THIS PRODUCT, OR ARISING OUT PRESS AND IMPLIED WARRANTIES, INCLUDING THE SFOR PARTICULAR PURPOSE, ARE LIMITED TO THE
	se limitations or exclusion	l or consequential damages or limitations on how long an ons may not apply to you. This warranty gives you specific vary from state to state.
	NY OF AMERICA C AMERICAS CORP.	1700 Valley Road Wayne, NJ 07470 /www.jvc.com
*****		<u>www.jvc.com</u> ************************************
EFURBISHED PRODUCTS CA	ARRY A SEPARATE WAR WARRANTY, PLEASE	RRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAIL REFER TO THE REFURBISHED PRODUCT WARRANTY
or customer use:		
Enter below the Model No. an Retain this information for fut		cated either on the rear, bottom or side of the cabinet.
Model No. :		Serial No. :
Purchase date :		Name of dealer :

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# 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?

# **JVC**<sup>®</sup> IS HERE TO HELP! TOLL FREE: 1(800)252-5722

# http://www.jvc.com

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, Please refer to qualified service personnel for repairs.

BT-51005-9

## **pecifications** Specifications and appearance are subject to change without prior notice.

# neral

adable discs: VD VIDEO, DVD-R (Video format), DVD-RW (Video ormat), SVCD, Video CD, Audio CD (CD-DA), D-R/RW (CD-DA, SVCD, Video CD, MP3 format,

eo format: NTSC, 480i/480p selectable

# ıer

ver requirements: AC 120 V  $\sim$  , 60 Hz ver consumption:

1.0 W (POWER ON), 1.0 W (STANDBY mode) ss: 1.5 kg (3.3 lbs) ensions (W x H x D):

35 mm x 44 mm x 201.5 mm (17-3/16 inch x 1-3/4 nch x 7-15/16 inch)

# leo outputs

mponent (pin jacks)

*Output:* 1.0 Vp-p (75 Ω) *PB/PR Output:* 0.7 Vp-p (75 Ω)

**DEO (pin jack):** 1.0 Vp-p (75 Ω) IDEO (S jack) **′ Output:** 1.0 Vp-p (75 Ω)

*Coutput:* 286 mVp-p (75 Ω) Horizontal resolution: 500 lines or more

# Audio outputs

ANALOG OUT (pin jack): 2.0 Vrms (10 k $\Omega$ ) 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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