INSTRUCTIONS VIDEO DIGITAL OUT DIGITAL OUT SUPER VIDEO

AV COMPU LINK

©2005 Victor Company of Japan, Limited

GNT0060-001C[US] 0105MOC-MW-SC

Region code of DVD VIDEO

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



Note of Color system format

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

Supplied accessories

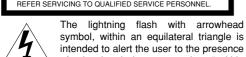
- If anything is missing, consult your dealer immediately. Audio/video cable (Yellow/White/Red) (x 1) Remote control (x 1)
- R6(SUM-3)/AA(15F) battery (x 2)
- Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories "DTS" and "DTS Digital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

Warnings, Cautions and Others





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



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.

presence of important operating and

For U.S.A.

This equipment has been tested and found to comply ith the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable orotection 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 ldoes 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 t 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.

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

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.

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 — U/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 n be remote controlled.

CAUTION

HIS PRODUCT USES A LASER SYSTEM. USE OF CONTROLS OR ADJUSTMENTS OR ERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS ADIATION EXPOSURE OO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF

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

REFER SERVICING TO QUALIFIED PERSONNEL

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.

LP41077-00:

CAUTION:

• Do not block the ventilation openings or holes. (If the ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to get out.)

- Do not place any naked flame sources, such as lighted candles, on the apparatus.
- When discarding batteries, environmental problems must be considered and local rules or laws governing the disposal of these batteries must be followed strictly.
- Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

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

Basic Operations

- anything heavy on it, which may cause fire, electric shock, or other accidents.
- \bullet 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

• Each indicator lights up when corresponding

function/mode is activated, or corresponding

information is on the main display.

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

Do not put heavy objects on the player

To prevent malfunction of the player

hairpins, coins, etc. into the player.

the use of chemically-coated cloths.

• DVD VIDEO, Audio CD, Video CD, SVCD

DVD-R/-RW written in the DVD VIDEO format

damage the player.

To clean the cabinet

Playable discs

with the "ISO 9660" format

Supported Digital audio formats:

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.

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.

Use a soft cloth. Follow the relevant instructions on

Do not use benzene, thinner or other organic solvents and

CD-R/RW written in the SVCD, Video CD or Audio CD

CD-R/RW written in MP3/WMA/JPEG in accordance

disinfectants. These may cause deformation or discoloring.

Do not block the vents. Blocking the vents may.

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 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

NOTES

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

Insert a disc

• To insert an 8-cm disc, place it in the inner

Point toward the remote sensor directly as possible

(the operating range is approx. 5 m.)

Slow-motion playback with the current

>>/ : Fast forward/backward playback with the

At the beginning of a scene containing multi-

): At the beginning of a scene containing multi-

: At the beginning of a scene containing multi-

You can change the setting so that the on-screen

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

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

About On-screen guide icons

current speed.

angle views

subtitles

audio sounds.

: Playback.

: Pause.

 (\circ)

With the label side up

2 Place a disc in the disc tray.

3 Press ≜ to close the disc tray.

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.

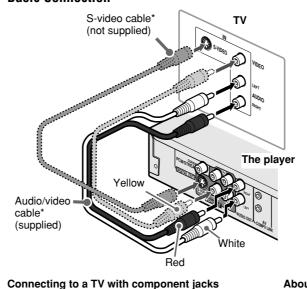
Connections

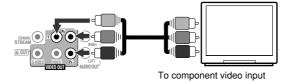
Before making connections:

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

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

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

Start/resume normal Playback

DISC RESUME, this player

disc where you interrupted

playback.

►►/◄ Fast forward/backward

►►I/I◄◀ Skip chapter/track

VARI-PLAY (For DVD Video)

(While paused)

normal speed.

(For SVCD/VCD)

normal speed.

(Only for DVD Video)

Changing the display brightness

Press **DIMMER** to change the brightness of

the display window.

(variable The disc is played back at about

playback) 1.2 or 1.5 times (FAST)/0.8 or 0.6

low-motion playback

press again.

• When RESUME MODE is ON or

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

imes (SLOW) normal speed.

The sound is not muted, and the

subtitle does not go off (except for

The disc is played back at about 2

he playback position moves back

position (only within the same title).

0 seconds before the current

times (FAST)/0.5 times (SLOW)

Buttons To do

▶*

with the player.

monaural.

about the scanning mode malcator									
[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]							
INTE									

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

The S-VIDEO iack and the component (Y.

PB. PR) jacks cannot be used at the same

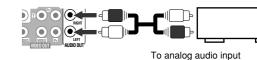
When using the S-VIDEO jack, do not

connect the component (Y, PB, PR) jacks

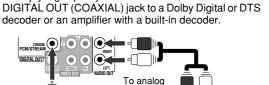
you can select the progressive scanning

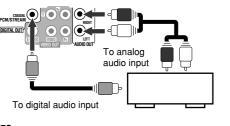
gressive TV and High-Definition TV sets are not fully compatible with the player. To check the compatibility of your TV, contact your local JVC customer service center

Connecting to a stereo audio amplifier (receiver)



Connecting to a digital audio device To enjoy high-quality surround sound, connect the





• Depending on the disc, no signal may be outputted from the DIGITAL OUT. Make an analog connection

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

Using the AV COMPU LINK system

The JVC 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

• The player's AV COMPU LINK setting is controlled using the OTHERS menu in the preference display.

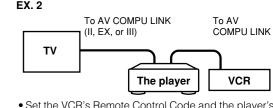
See "AV COMPULINK MODE" in "Initial settings." • See also the instruction manual of the other device.

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

T۷

EX. 1

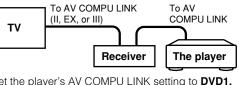
When connecting to the VIDEO-2 input terminal of the television: **DVD3**



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

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

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



Notes for connection

• If you connect the player to a receiver via AV COMPU LINK in a system including a Dolby Digital decoder, some functions may not be performed automatically

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

The following actions are performed automatically:

• Setting the source of the television to the external

which has started playback.

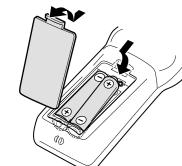
Turning on the power

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. 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

follows:

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

DIGITAL AUDIO OUTPUT	2011 01111
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 both Dolby Digital and DTS logos, select "STREAM/PCM."

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

5

purchase, the following message appears on the TV

1 Press ENTER

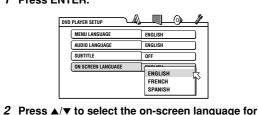
DVI	PLAYER SETUP		
	MONITOR TYPE	16:9	\neg
	PICTURE SOURCE	4:3 LB	٦
	SCREEN SAVER	4:3 PS	₩
	BACKGROUND	STANDARD	

- 3 Press ▲/▼ to select the monitor type, then press
 - For a wide-screen TV, select "16:9."

- 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."

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

Before enjoying this player, make the initial settings as



• For a normal (conventional) TV, select "4:3 LB" or

Set this item correctly according to the logo on your

To bring up the DVD PLAYER SETUP display later

		FI
		VIDEO(N
S-MOED WORD THE LEFT		(AC
VIDEO OUT	To component video input	NOTE
	To component video input	Some prog
to the second second		f II

NOTES

• Turning on the television and/or receiver.

input (VIDEO-1 or VIDEO-2).

OPEN/ CLOSE

- SLOW + DISPLAY ON SCREI

VĚŇU A

● ENTER

—

1 2 3

4 5 6

7 8 9

GROUP EFFECT VFP DIMMER

JVC

 $\overline{\otimes}$ \bigcirc

Changing the display window contents Turning on and off the player Each time you press DISPLAY,

the display window contents Locating the beginning of a scene

You can select a title/chapter/

rack directly and start playback. For DVD Video (While stopped) select title. While playing back) select

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

before entering the number, you

can select the title instead of the

VCD with Playback Control*

PBC)—using the disc menu

* A method of controlling disc play

for SVCD/VCD by using the disc

shown on the TV screen.

ANGLE SUBTITLE AUDIO ZOOM Using the disc menu You can operate a disc—SVCD/

chapter

show the menu.

To reactivate PBC

• Press TOP MENU or MENU.

To select 5: press 5

ENTER or ► (SELECT).

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

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

number using the numeric buttons. ■ For SVCD/VCD 1 While stopped, press TOP MENU or ► (SELECT) to

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 play back without PBC While stopped, press the numeric buttons instead of ► (SELECT) to start playback.

To return to the previous menu, press RETURN.

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

Advanced Operations

Changing the language, sound and scene angle Press the button. 2 Press the button repeatedly or ▲/▼ to select the desired item.

3 Press ENTER to finish the Buttons To do AUDIO For DVD Video: select audio languages For SVCD/VCD: select the audio channel SUBTITLE select the subtitle

ANGLE select the view-angle. Changing the Sound Field Each time you press **SOUND**

Zooming the picture

Each time you press **ZOOM**, the

move the zoomed position

You can use ▲/▼/̄
 button to

To return to the normal playback,

select the normal size by pressing

magnification changes.

ZOOM repeatedly.

EFFECT, the Sound Effect mode changes. As the value becomes bigger, the Sound Effect works stronger

To adjust the picture tone

1 Select "USER1" or "USER2."

whole (-16 (darkest) to +16 (brightest)). CONTRAST (-12 to +12).SATURATION (-16 (blackest) to +16 (whitest)) Adjust this if the appearance of flesh tone is

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

4 Repeat step 2 and 3 to adjust other parameters.

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

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

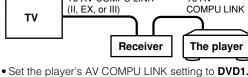
To AV COMPU LINK (II, EX, or III)

EX. 2

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

The player's AV COMPU LINK setting: DVD2 VCR's Remote Control Code: **B**

EX. 3



• 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 Press ➤ of the source component.

• Setting the source of the receiver to the component

OPEN/ CLOSE

MENU THUI

NU SET

PREVIOUS SELECT NEXT

1 2 3

4 5 6

7 8 9



function allows you to adjust the picture character according to the - SLOW + DISPLAY ON SCREE type of programming, picture tone or personal preferences

he VFP (Video Fine Processor)

Selected

Preset

1 Press VFP-I/P. 2 Press
/▶ to select the desired ● ENTER ▶ preset.

GAMMA MID

Y DELAY

suppressed light

preset. See below.

parameters that affect the

store the settings as a user

You can adjust

(O O GROUP SOUND SFFECT VFP MMER NORMAL | For watching TV in a general room ANGLE SUBTITLE AUDIO ZOON **CINEMA** For watching a movie software in a room with

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

USFR1

USER2

The brightness of dark and bright portion is maintained (LOW/MID/HIGH). **BRIGHTNESS** Adjust this if the picture is bright or dark on the Adjust this if the far and near position is unnatural Adjust this if the picture is whitish or blackish

Adjust this if the picture looks separately/ overlapped (-2 to +2).

unnatural (-16 to +16).

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

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 </ > /➤ 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.

• 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: 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

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 track repeat (CD/VCD/SVCD) • All ·

• 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

● 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 playback.

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.

Audio/Video files playback

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

Random playback

Program playback

5. Press ►(SELECT).

To zoom in a picture

Press ZOOM

file (x1.5/x2).

press ENTER.

Control display.

pressing I

To select slide show effect

appears on the TV screen

bar to playback mode

then press ►(SELECT).

bar to playback mode.

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

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

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

4. 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 JPEG files

depending on their resolution size and JPEG format.

To select a JPEG files 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

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

Pressing
 I/> rotates the picture by 90°.

Pressing ▲ reflects the picture vertically.

Pressing ▼ reflects the picture horizontally.

Press ENTER repeatedly to select RANDOM.

Precautions

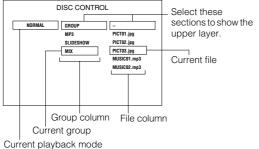
- Use "ISO 9660" as the disc format. The player does not support "packet writing (UDF
- files)" discs. The player may be unable to play back a disc due to
- 3. Press ► to move the cursor bar to the file column, the characteristics or recording conditions.

 • The player recognizes up to the fifth layer of groups,
- 999 files per group (including unplayable files), and up to 250 groups per disc.
- Add the appropriate extension (".mp3", ".jpg", and ".wma") to the file name.
- MP3i and MP3 Pro are not available The player supports WMA files recorded with a bit rate of 48 kbps or higher.
- 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 ▲/▼/◄/► 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. Repeat playback

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

- 2. Press ENTER repeatedly to select the desired repeat
- REPEAT 1: Repeats the current file.
- REPEAT GROUP: Repeats all files in the current
- REPEAT ALL: Repeats all files on the disc.

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

Initial settings

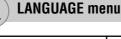
You can change the settings of this player according to your preferences and playing environment.

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
- To dismiss a preference display

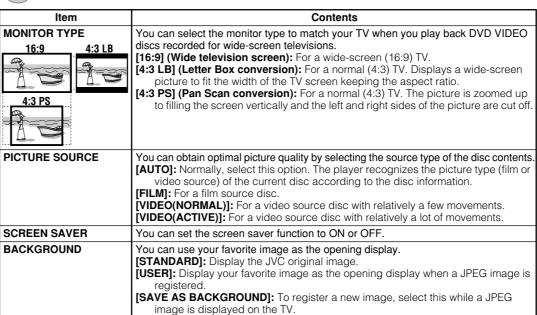
Press SET UP

- 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"
- Depending on the disc, the settings may not apply



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



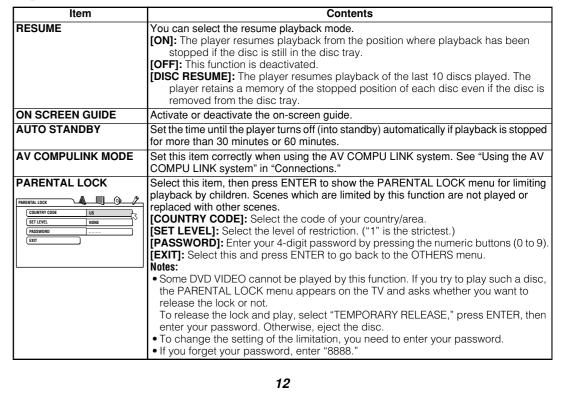
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AUDIO menu

1.0	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



Power does not come on.

Troubleshooting

→ Power plug is not inserted securely. Plug in securely.

"REGION CODE ERROR!" is shown on the TV → Region code of the inserted disc does not match the

Operation

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.

MP3/WMA/JPEG

No sound and/or no picture comes out. → MP3/WMA/JPEG disc is recorded with the "packet writing (UDF file)." It cannot be played

So, the playback order can vary.

WMA files cannot be played back.

→ The file is copy protected → The file is recorded with a bit rate under 48 kbps. The player does not support such WMA files.

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

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

→ This player plays the files in the alphabetic order.

Country/Area code list for Parental Lock

AD Andorra CY Cyprus IL Israe
AE United Arab Emirates CZ Czech Republic IN India

			OZOON NOPODINO	11	a.a	1 1			00
AF	Afghanistan	DE	Germany	IO	British Indian Ocean	M	Mexico	ST	Sao Tome and
AG	Antigua and Barbuda	DJ	Djibouti]	Territory	M'		<u> </u>	Principe
Al	Anguilla	DK	Denmark	IQ	Iraq	MZ	Z Mozambique	SV	El Salvador
AL	Albania	DM	Dominica	IR	Iran (Islamic Republic of)	N/	Namibia	SY	Syrian Arab Republic
AM	Armenia	DO	Dominican Republic	IS	Iceland	NO	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	TD	Islands
AQ	Antarctica	EE	Estonia	JO	Jordan	NO	Nigeria		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	腨	Thailand
AU	Australia	ES	Spain	KH	Cambodia	NF	Nepal	TJ	Tajikistan
AW	Aruba	ET	Ethiopia	KI	Kiribati	NF	R Nauru	TK	Tokelau
AZ	Azerbaijan	FI	Finland	KM	Comoros	NU	J Niue	I I'M	Turkmenistan
	Bosnia and Herzegovina	FJ	Fiji	KN	Saint Kitts and Nevis	NZ	New Zealand	TN	
	Barbados	FK	Falkland Islands	KP	Korea, Democratic	0	/ Oman		Tunisia
BD	Bangladesh	FM	Micronesia (Federated	1L	People's Republic of	P/	Panama	TO	Tonga
_	Belaium		States of)	KR	Korea, Republic of	PE		TP	East Timor
_	Burkina Faso	FO	Faroe Islands	KW	Kuwait	PF		TR	Turkey
	Bulgaria	FR	France	KY	Cayman Islands	PC	· · · · · · · · · · · · · · · · · · ·	TT	Trinidad and Tobago
	Bahrain	FX	France, Metropolitan	KZ	Kazakhstan	Pi	- upout trott did inter	TV	Tuvalu
_	Burundi	GA	Gabon	LA	Lao People's	Pk		TW	Taiwan
	Benin	GB	United Kingdom	1L	Democratic Republic	PL		TZ	Tanzania, United
_	Bermuda	GD	Grenada	LB	Lebanon	PN		l	Republic of
_	Brunei Darussalam	GE	Georgia	LC	Saint Lucia	ll. "	Miguelon	UA	Ukraine
_	Bolivia	GF	French Guiana	LI	Liechtenstein	PN		UG	Uganda
_	Brazil	GH	Ghana	LK	Sri Lanka	PF		UM	United States Minor
	Bahamas	GI	Gibraltar	LR	Liberia	Pī		US	Outlying Islands United States
_		GL	Greenland	LS	Lesotho	PV		UY	
_	Bhutan	GM	Gambia	LT	Lithuania	P.			Uruguay
	Bouvet Island	GN	Guinea	LU	Luxembourg			UZ	Uzbekistan
_	Botswana	GP	Guadeloupe	LV	Latvia	RE		VA	Vatican City State (Holy See)
	Belarus	GQ	Equatorial Guinea	LY	Libyan Arab Jamahiriya	R		vc	Saint Vincent and the
_	Belize	GR	Greece	MA	Morocco	R		VC	Grenadines
	Canada	GS		МС	Monaco	RV		VE	Venezuela
	Cocos (Keeling) Islands	us	South Georgia and the South Sandwich	MD	Moldova, Republic of	SA		VG	Virgin Islands (British)
	Central African Republic	GT	Guatemala	MG	Madagascar			VI	Virgin Islands (U.S.)
	Congo	GU	Guam	МН	Marshall Islands	SE		VN	Vietnam
	Switzerland	GW	Guinea-Bissau	ML	Mali	SC		VU	Vanuatu
	Côte d'Ivoire	GY	Guiriea-bissau Guyana	MM	Myanmar	SE		WF	Wallis and Futuna
_	Cook Islands	HK	Hong Kong	MN	Mongolia	SE		vv r	Islands
CL	Chile	HM	Heard Island and	MO	Macau	SC	3-1	ws	Samoa
СМ	Cameroon	HM	McDonald Islands	MP	Northern Mariana	SH		YE	Yemen
CN	China	HN	Honduras	""	Islands	SI	Slovenia	YT	Mayotte
co	Colombia	HR	Croatia	MQ	Martinique	SJ		YU	Yugoslavia
CR	Costa Rica	HT	Haiti	MR	Mauritania	Sk		ZA	South Africa
	Cuba	HU	***	MS	Montserrat	SL	Sierra Leone	ZM	
	Cape Verde		Hungary	MT	Malta	SN	M San Marino		Zambia
_	Christmas Island	ID	Indonesia	MU	Mauritius	SN	I Senegal	ZR	Zaire
	zzz.nac iciana	ΙE	Ireland	IVIU	Iviauillus	J		ZW	Zimbabwe

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IL ITERATO									244 21111	Dabwe				
anguage codes list for the LANGUAGE menu														
	9 -													
Afar	CA	Catalan	GL	Galician	KK	Kazakh	ML	Malayalam	PS	Pashto,	SL	Slovenian	TL	Tagalog
Abkhazian	CO	Corsican	GN	Guarani	KL	Greenlandic	MN	Mongolian	<u> </u>	Pushto	SM	Samoan	TN	Setswana
Afrikaans	CS	Czech	GU	Gujarati	KM	Cambodian	MO	Moldavian	PT	Portuguese	SN	Shona	TO	Tongan
Ameharic	CY	Welsh	HA	Hausa	KN	Kannada	MR	Marathi	QU	Quechua	SO	Somali	TR	Turkish
Arabic	DA	Danish	HI	Hindi	KO	Korean (KOR)	MS	Malay (MAY)	RM	Rhaeto-	SQ	Albanian	TS	Tsonga
Assamese	DZ	Bhutani	HR	Croatian	KS	Kashmiri	MT	Maltese	DN.	Romance	SR	Serbian	TT	Tatar
Aymara	EL	Greek	HU	Hungarian	KU	Kurdish	MY	Burmese	RN	Kirundi	SS	Siswati	TW	Twi
Azerbaijani	EO	Esperanto	HY	Armenian	KY	Kirghiz	NA	Nauru	RO	Rumanian	ST	Sesotho	UK	Ukrainian
Bashkir	ET	Estonian	IA	Interlingua	LA	Latin	NE	Nepali	RU	Russian	SU	Sundanese	UR	Urdu
Byelorussian	EU	Basque	IE	Interlingue	LN	Lingala	NL	Dutch	RW	Kinyarwanda	SV	Swedish	UZ	Uzbek
Bulgarian	FA	Persian	ΙK	Inupiak	LO	Laothian	NO	Norwegian	SA	Sanskrit	SW	Swahili	VI	Vietnamese
Bihari	FI	Finnish	IN	Indonesian	LT	Lithuanian	ОС	Occitan	SD	Sindhi	TA	Tamil	VO	Volapuk
Bislama	FJ	Fiji	IS	Icelandic	LV	Latvian,	ОМ	(Afan) Oromo	SG	Sangho	TE	Telugu	wo	Wolof
Bengali,Ban-	FO	Faroese	IW	Hebrew	1∟	Lettish	OR	Oriya	SH	Serbo- Croatian	TG	Tajik	ХН	Xhosa
gla	FY	Frisian	JI	Yiddish	MG	Malagasy	PA	Panjabi	SI	Singhalese	TH	Thai	YO	Yoruba
Tibetan	GA	Irish	JW	Javanese	MI	Maori	PL	Polish	SK	Slovak	TI	Tigrinya	ZU	Zulu
Breton	GD	Scots Gaelic	KA	Georgian	MK	Macedonian			JOK.	JIUVAK	TK	Turkmen	1'	

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Retain this information for future reference.

Model No.: __

Purchase Date : _____

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BT-51031-2

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/WMA format, JPEG)

Video format: NTSC, 480i/480p selectable 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 203.5 mm (17-3/16 inch x 1-3/4 inch x 8-1/16 inch)

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 jack)

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)

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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