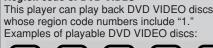
INSTRUCTIONS

20-DIGITAL SUPER VIDE







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

• Remote control (x 1) • Lithium battery CR2032 (x 1) • AC power plug adaptor (x 1) (for PX model Manufactured under license from Dolby

Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories. "DTS" and "DTS 2.0+Digital Out" are trademarks of Digital Theater Systems, Inc USE OF THIS PRODUCT IN ANY MANNER THAT

COMPLIES WITH THE MPEG-4 VISUAL STANDARD IS PROHIBITED. EXCEPT FOR USE BY A CONSUMER ENGAGING IN PERSONAL AND NON COMMERCIAL ACTIVITIES

 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

Basic Operations

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.

NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

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

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

orotection against harmful interference in a residentia 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 quarantee 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. ncrease 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

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

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

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.

CAUTION: Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam. 4. RÉPRODUCTION OF LABEL: CAUTION LABEL

PLACED INSIDE THE UNIT

• 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.)

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.

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.

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.

Press and hold **DISPLAY/DIMMER** to

window. Release the button at the desired

change the brightness of the display

Start Playback

• When RESUME MODE is ON

memorizes the position on

To resume playback, press

completely, press ■ again.

advances to the next frame.

• Each time you press the

hutton, the still picture

Fast forward/backward*

the disc where you

interrupted playback

To stop playback

or DISC RESUME, this player

Avoid moisture, water, dust, and high temperatures Connections

• 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

• 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

• 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

• DVD VIDEO, SVCD, Video CD, Audio CD



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

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. Unplayable discs

If you try to play back discs listed below, noise may generate causing damage to speakers.

 DVD-RW written in the VR format DVD-ROM, DVD-RAM, DVD AUDIO, CD-ROM,

PHOTO CD. SACD Unfinalized discs

GROUP RETURN CANCE

1 2 3

4 05 6

7 8 9

10 0 +10

P MENU MENU NENU TIHAM

. F

■ For DVD

■ For SVCDA/CD

the menu.

ENTER or ► (SELECT).

To select 5: press 5.

press |

To reactivate PBC

To cancel PBC

playback

number using the numeric buttons.

To select 23: press +10, +10, then 3.

To select 40: press +10, +10, +10, then 10.

• To return to the previous menu, press RETURN.

• Press TOP MENU or MENU - THUMBNAIL/LIST.

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

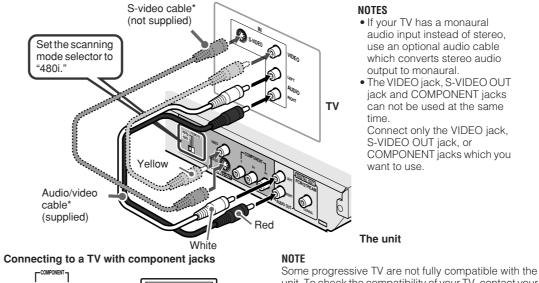
paste on either the label side or playback side. Playing back these discs may damage the player

Before making connections

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

· Connect VIDEO OUT of the unit 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



When connecting your TV by the component video cable, set the scanning mode selector as follows: • When the TV does not support the progressive

scanning mode: →480i

 When the TV supports the progressive scanning mode: **→**480p

 When you want to select the scanning mode depending on the source condition: →REMOTE*

* To switch the scanning mode between Progressive (480p) and Interlace (480i) by the remote control, press and hold down VFP-I/P for a few seconds.

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

correctly. When using the COMPONENT jacks, do not connect

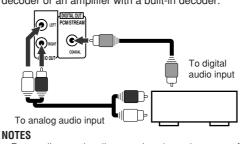
the S-VIDEO OUT jack with the player About the scanning mode indicator

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

unit. To check the compatibility of your TV, contact your local JVC customer service center 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



· Depending on the disc, no signal may be output from the DIGITAL OUT. Make an analog connection in this

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

Installing the battery in the remote control

After all other connections have been made, insert the

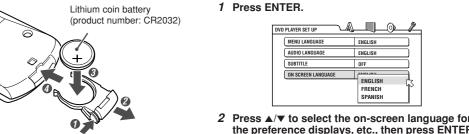
Turning on the power

Inserting the AC power plug

For PX model only

AC power plug to the wall outlet firmly.

The STANDBY indicator lights in red.



Precautions of the safe use of battery Store the battery in a place where children cannot

battery or dispose of it in a fire.

reach. If a child accidentally swallows the battery. consult a doctor immediately • Do not recharge, short, disassemble or heat the

Doing any of these things may cause the battery to give off heat, crack, or start a fire. Do not leave the battery with other metallic materials.

Doing this may cause the battery to give off heat, crack, or start a fire. When throwing away or saving the battery, wrap it in

tape and insulate; otherwise, the battery may start to give off heat, crack, or start a fire. Do not poke the battery with tweezers or similar tools Doing this may cause the battery to give off heat,

 Dispose of batteries in the proper manner, according to federal, state, and local regulations.

Turning on and off the player Press U/ISTANDBY/ON. For PX model only The STANDBY/ON indicator in red on the front panel

crack, or start a fire.

goes off.

Initial setup

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

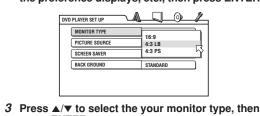
EXECUTE DVD PLAYER SETUP? - BASIC PICTURE/AUDIO

YES - PRESS ENTER NO - PRESS CANCEL Before enjoying this unit, make the initial settings as

follows

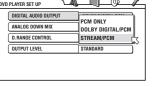
DVD	PLAYER SET UP	
(MENU LANGUAGE	ENGLISH
(AUDIO LANGUAGE	ENGLISH
(SUBTITLE	OFF
(ON SCREEN LANGUAGE	ENGLISH FRENCH SPANISH

the preference displays, etc., then press ENTER.



press ENTER. For a normal (conventional) TV, select "4:3 LB" or "4:3 PS." (See "MONITOR TYPE" in "Initial

• For a wide-screen TV, select "16:9."



et this item correctly according to your Dolby Digital decoder, DTS decoder, or amplifier with a built-in decoder. (If you do not connect the player to such a device

press ENTER to finish the setting.) When connecting to a Dolby Digital decoder

"STREAM/PCM." When connecting to other digital device, select

"PCM ONLY."

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

Advanced Operations

Changing the Sound Field You can change the sound field only for analog audio output. Each time you press **SOUND EFFECT**, the Sound Effect mode

As the value becomes bigger, the

Zooming the picture Each time you press **ZOOM**, the magnification changes.

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

Changing the language, sound and scene angle

Press the button. 2 Press the button repeatedly or

▲/▼ to select the desired item.

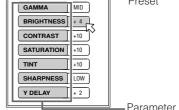
select audio languages For SVCD/VCD/CD: select the audio channel. SUBTITLE | select the subtitle. ANGLE select the view-angle.

The VFP (Video Fine Processor) nction allows you to adjust the DISPLAY DIMMER TITLE TITLE TOROUP RETURN CANCEL

picture character according to the type of programming, picture tone or personal preferences.

Changing the picture tone (VFP)

1 Press VFP-I/P.



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

picture character and

store the settings as a user preset.See below.

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

	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)).
TINT	Adjust this if the appearance of flesh tone is unnatural (–16 to +16).
SHARPNESS	Adjust this if the picture is indistinct (LOW/HIGH).
Y DELAY	Adjust this if the picture looks separately/ overlapped (–2 to +2).

You can use various functions from the menu bar.

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

DVD-VIDEO 8.5Mbps TITLE 33 CHAP 33 TOTAL 1:25:58

To dismiss the menu bar, press ON SCREEN.

Basic operation procedure 1 Press </br> The select the icon you want to work

2 Press 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

(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 unit status. Refer to the explanation below to check when you can use a certain function.

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

• T.REM: Remaining time of current title (DVD) or a disc (CD/VCD/SVCD) (while in stop mode, disc total time)

• REM: Remaining time of current chapter (DVD) or track (CD/VCD/SVCD) (while in stop mode, current track total time)

selects repeat mode. DVD:

 CHAPTER: Current chapter repeat (DVD) • TITI F: Current title repeat (DVD) TRACK: Current track repeat (CD/VCD/SVCD)

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.

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

DVD: In any condition except 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

subtitle (SVCD) during playback.

selects a desired scene angle in a multi-

tracks move up.

• During program playback, you cannot edit the

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

The player starts random playback.

In any condition

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

(DVD only)

angle part (DVD only).

99 tracks. 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

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

1. After selecting RND. icon, press ENTER.

Insert a disc Turning on and off the player

2 Place a disc in the disc tray. • To insert an 8-cm disc, place it in the inner recess. 3 Press riangle to close the disc tray.

brightness. Changing the display window content Each time you press DISPLAY/DIMMER, the display window contents changes Buttons To do

About On-screen guide icons Playback.

Main display

Each indicator lights up when corresponding

function/mode is activated, or corresponding

information is on the main display

: Pause.

Fast forward/backward playback with the current speed.

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

> / (1): Slow-motion playback with the current

multi-angle views.

....: At the beginning of a scene containing multi-subtitles. 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.")

range is approx. 5 m.)

Point toward the remote sensor

: At the beginning of a scene containing

(While paused) directly as possible (the operating Slow-motion playback* • Each time you press the

Ш

▶▶|/|◄◀

The sound is not muted, and the subtitle does not go off. (Only for DVD Video) The playback position moves back 10 seconds before the current position (only within the ame title).

To return to normal playback, press ▶.

button during playback, playback is advanced/ reversed at 5 times normal (Only for DVD Video) PLAYBACK The disc is played back at about 1.5 times normal speed

button, the playback speed changes. Skip chapter/track If you press and hold the

ou 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.

of the chapter

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

1 In stop mode, press TOP MENU or ► (SELECT) to show

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

Press the numeric buttons instead of ► (SELECT) to start

2 Press the numeric buttons to select a desired item.

o select 23: press +10, +10, then 3. o select 40: press +10, +10, +10, then 10. If you press TITLE/GROUP before entering the number

you can select the title instead

ou can operate a disc—DVD and SVCD/VCD with Playback Control* PBC)—using the disc menu A method of controlling disc play for SVCD/VCD by using the disc

AUDIO For DVD Video: SETUP PREVIOUS SELECT NEAT JVC

Adjust this if the neutral color is bright or dark. The brightness of dark and bright portion is

Ex.: Menu bar for DVD VIDEO

After pressing ENTER:

numeric buttons to enter the number you want, then press ENTER.

(CD/VCD/SVCD)

track (CD/VCD/SVCD)

During playback In any condition

ALL: All track repeat (CD/VCD/SVCD) A-B:

quit repeat mode.

8

To reduce the risk of electrical shocks, fire, etc. Caution — ⊕/ISTANDBY/ON button! TO REDUCE THE RISK OF ELECTRIC SHOCK Disconnect the mains plug to shut the power off DO NOT REMOVE COVER (OR BACK

CAUTION:

• Do not place any naked flame sources, such as lighted candles, on the apparatus. When discarding batteries, environmental problems

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 (2.0 W) is always consumed while the power cord is connected to the

• Do not alter, twist or pull the power cord, or put

To clean the cabinet

Playable discs

• CD-R/RW written in the SVCD, Video CD or Audio CD • CD-R/RW written in MP3/JPEG/MPEG-4 in accordance with the "ISO 9660" format

 If a disc gets dirty, scratched or warped, or due to the disc characteristics or recording conditions, the

Discs of irregular shape or discs with tape, seals or

Sound Effect works stronger

repeatedly.

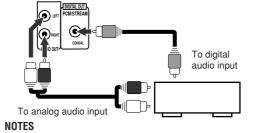
3 Press ENTER to finish the To do

1 2 3 2 Press
/▶ to select the desired 4 05 6 preset. 7 8 9 Selected (10) (0) (+10) NORMAL | For watching TV in a USER1 You can adjust USER2 parameters that affect the

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

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.

Connecting to a digital audio device decoder or an amplifier with a built-in decoder



Menu bar functions

To bring up the menu bar

under the status bar

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

• TIME: Elapsed time of current chapter (DVD) or

VCD/SVCD: In any condition except PBC playback

Repeat mode deactivated. Select this to

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

select "DOLBY DIGITAL/PCM." • When connecting to a DTS decoder, select

SET UP display appears.

selects the subtitle language (DVD) or

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

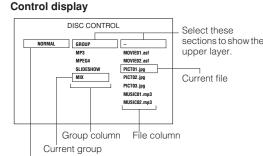
Pressing ■ clears all the programmed tracks. 2. Press ►(SELECT) to start program playback.

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", ".jpg", and
- ".asf") 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



Current playback mode

Press ▲/▼/◄/▶ to move the cursor bar to a desired file, then press ►(SELECT). • When you press ENTER, only the selected file is

Various playback mode

• To play back a disc continuously, select NORMAL. Repeat playback

 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).

Random playback

then press ►(SELECT)

- 1. While stopped, press ▲/▼/◄/▶ 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.

Program playback

- 1. While stopped, press ▲/▼/◄/► to move the cursor bar to playback mode.
- 2. Press ENTER repeatedly to select PROGRAM. 3. Press ▲/▼/◄/▶ to select the desired file, then press FNTFR.
- 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 column, then press CANCEL.
- 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/x4)

• You can also magnify an MPEG-4 file (x2/x4).

To rotate/reflect a still picture

- While a still picture is played back: Pressing
 /► rotates the picture by 90°
- Pressing
 reflects the picture vertically. Pressing ▼ reflects the picture horizontally.

To select a JPEG files from the thumbnail list . Press and hold MENU-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. 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 out of 11 effects, random effect selection (RAND), and no effect (NONE). The effect is not applied to progressive JPEG files.

Country/Area code list for Parental Lock

Initial settings

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

How to set the Initial settings

Press SET UP	1	·	Item
			MENU LANGUAGE
MENU LANGUAGE	FIGLISH	}	AUDIO LANGUAGE
AUDIO LANGUAGE	ENGLISH		SUBTITLE
ON SCREEN LANGUAGE	OFF FNGLISH		ON SCREEN LANG
ON SOULEN ENNOUNCE	ENGLISH	'	
		I .	

Press ENTER.

Press ▲/▼ to select the options, then press

Press SET UP

codes" below.

playback

- While CD-R/RW which contains MP3/MPEG-4 files is
- For settings of the LANGUAGE menu or the PARENTAL LOCK menu, see also "Language
- 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.		
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

MONITOR TYPE

PICTURE SOURCE

16:9

4:3 PS

iscs recorded for wide-screen televisions 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

Contents

ou can select the monitor type to match your TV when you play back DVD VIDEO

picture to fit the width of the TV screen keeping the aspect ratio. 1:3 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

You can obtain optimal picture quality by selecting the source type of the disc [AUTO]: Normally, select this option. The player recognizes the picture type (filr

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 **BACKGROUND** ou 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 SAVE AS BACKGROUND]: To register a new image, select this while a JPEG image is displayed on the TV

CONSUMER VIDEO 1-90

AUDIO menu

Item	Contents
DIGITAL AUDIO OUTPUT	Set this item correctly when connecting to an external device equipped with a digital input. [PCM ONLY]: When connecting to audio equipment which can decode only linear PCM signals. [DOLBY DIGITAL/PCM]: When connecting to a Dolby Digital decoder or an amplifier with a built-in Dolby Digital decoder. [STREAM/PCM]: When connecting to an amplifier with a built-in DTS, MPEG Multichannel or Dolby Digital decoder.
ANALOG DOWN MIX	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 30 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.
PARENTAL LOCK PARENTAL LOCK COUNTRY CODE US SET LEVEL NOME PASSWORD EXIT	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 password by pressing the numeric buttons (0 to 9). [EXIT]: Select this and press ENTER to go back to the OTHERS menu. Note: • 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 pass word, enter "8888."

12

Troubleshooting

Power does not come on.

→ Power plug is not inserted securely. Plug in

securely.

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

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

→ Region code of the inserted disc does not match the

- 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 in this status. To release this status, press ≜ 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 or S-VIDEO OUT iack(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 OUT jack. Observe the display window. If [P] is turned on, the player is in the progressive scanning mode.

Set the VIDEO SIGNAL SELECTOR on the rear panel to "480i," or set it to "REMOTE" and make the Progressive scanning mode inactive by using the VFP - I/P button.

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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/MPEG-4

No sound and/or no picture comes out. → MP3/MPEG-4 disc is recorded with the "packet writing (UDF file)." It cannot be played.

Files (tracks) are not played in the recorded

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

MPEG-4 files cannot be played back.

Check the files you want to play back.

→ The format of the file is not asf.

AD	Andorra	CX	Christmas Island	IL	Israel	MU	Mauritius	SN	Senegal
AE	United Arab Emirates	CY	Cyprus	IN	India	MV	Maldives	SO	Somalia
AF	Afghanistan	CZ	Czech Republic	IO	British Indian Ocean	MW	Malawi	SR	Suriname
AG	Antiqua and Barbuda	DE	Germany	-	Territory	MX	Mexico	ST	Sao Tome and
AI	Anguilla	DJ	Diibouti	IQ	Iraq	MY	Malaysia	- °'	Principe
AL	Albania	DK	Denmark	IR	Iran (Islamic Republic	MZ	Mozambique	sv	El Salvador
AM	Armenia	DM	Dominica		of)	NA	Namibia	SY	Syrian Arab Republic
AN	Netherlands Antilles	DO	Dominican Republic	IS	Iceland	NC	New Caledonia	SZ	Swaziland
AO	Angola	DZ	Algeria	IT	Italy	NE	Niger	TC	Turks and Caicos
AQ	Antarctica	EC	Ecuador	JM	Jamaica	NF	Norfolk Island		Islands
AR	Argentina	EE	Estonia	JO	Jordan	NG	Nigeria	TD	Chad
AS	American Samoa	EG	Egypt	JP	Japan	NI	Nicaragua	TF	French Southern
AT	Austria	EH	Western Sahara	KE	Kenya	NL	Netherlands	\dashv L	Territories
AU	Australia	ER	Eritrea	KG	Kyrgyzstan	NO	Norway	TG	Togo
AW	Aruba	ES	Spain	KH	Cambodia	NP	Nepal	TH	Thailand
AVV	Aruba Azerbaijan	ET		KI	Kiribati	NR	Nauru	TJ	Tajikistan
BA		FI	Ethiopia	KM	Comoros	NU		TK	Tokelau
BA	Bosnia and Herzegovina	FJ	Finland	KN	Saint Kitts and Nevis	NZ NZ	Niue	TM	Turkmenistan
BB	Barbados	FK	Fiji	KP	Korea, Democratic		New Zealand	TN	Tunisia
BD	Bangladesh	1	Falkland Islands		People's Republic of	OM	Oman	TO	Tonga
BE	Belgium	FM	Micronesia (Federated States of)	KR	Korea, Republic of	PA	Panama	TP	East Timor
BF	Burkina Faso	FO	Faroe Islands	KW	Kuwait	PE	Peru	TR	Turkey
BG		FR		KY	Cayman Islands	PF	French Polynesia	- ITT	Trinidad and Tobago
-	Bulgaria		France	KZ	Kazakhstan	PG	Papua New Guinea	TV	Tuvalu
BH	Bahrain	FX	France, Metropolitan	LA	Lao People's	PH	Philippines	Tw	Taiwan
BI	Burundi	GA	Gabon		Democratic Republic	PK	Pakistan	TZ	Tanzania, United
BJ	Benin	GB	United Kingdom	LB	Lebanon	PL	Poland		Republic of
ВМ	Bermuda	GD	Grenada	LC	Saint Lucia	PM	Saint Pierre and	UA	Ukraine
BN	Brunei Darussalam	GE	Georgia	LI	Liechtenstein	1	Miquelon	UG	Uganda
ВО	Bolivia	GF	French Guiana	LK	Sri Lanka	PN	Pitcairn	UM	United States Minor
BR	Brazil	GH	Ghana	LR	Liberia	PR	Puerto Rico		Outlying Islands
BS	Bahamas	GI	Gibraltar	LS	Lesotho	PT	Portugal	US	United States
ВТ	Bhutan	GL	Greenland	LT	Lithuania	PW	Palau	UY	Uruguay
BV	Bouvet Island	GM	Gambia	LU	Luxembourg	PY	Paraguay	UZ	Uzbekistan
BW	Botswana	GN	Guinea	LV	Latvia	QA	Qatar	VA	Vatican City State
BY	Belarus	GP	Guadeloupe	LY	Libyan Arab	RE	Réunion		(Holy See)
BZ	Belize	GQ	Equatorial Guin ea	II.	Jamahiriya	RO	Romania	VC	Saint Vincent and the
CA	Canada	GR	Greece	MA	Morocco	RU	Russian Federation		Grenadines
CC	Cocos (Keeling)	GS	South Georgia and	MC	Monaco	RW	Rwanda	VE	Venezuela
	Islands		theSouth Sandwich	MD	Moldova, Republic of	SA	Saudi Arabia	VG	Virgin Islands (British
CF	Central African	GT	Guatemala	MG	Madagascar	SB	Solomon Islands	VI	Virgin Islands (U.S.)
00	Republic	GU	Guam	MH	Marshall Islands	SC	Seychelles	VN	Vietnam
CG	Congo	GW	Guinea-Bissau	ML	Mali	SD	Sudan	VU	Vanuatu
CH	Switzerland	GY	Guyana	MM	Myanmar	SE	Sweden	WF	Wallis and Futuna
CI	Côte d'Ivoire	HK	Hong Kong	MN	Mongolia	SG	Singapore	1	Islands
CK	Cook Islands	HM	Heard Island and	MO	Macau	SH	Saint Helena	WS	Samoa
CL	Chile		McDonald Islands	MP	Northern Mariana	SI	Slovenia	YE	Yemen
СМ	Cameroon	HN	Honduras	IVII	Islands	SJ	Svalbard and Jan	YT	Mayotte
CN	China	HR	Croatia	140	Mantinian	1100	Mayon	YU	Yugoslavia

10

AB Abkhazian AF Afrikaans AF Afrikaans AF Afrikaans AF Arabic DA Danish HI Hindi AS Assamese AY Aymara AZ Azerbaijani BA Bashkir BA	o. Joapo roido		oiaiia					10000110
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AA Afar CA Catalan GL Galician KK Kazakh AB Abkhazian CO Corsican GN Guarani KK Gambodian AF Afrikaans CS Czech GU Gujarati KM Cambodian AM Ameharic CY Welsh HA Hausa KN Kannada AR Arabic DA Danish HI Hindi AS Assamese DZ Bhutani AF Groenian AY Aymara EL Greek HU Hungarian AZ Azerbaijani BA Bashkir ET Estonian IA Interlingua BE Byelorussian BG Bulgarian EQ Bulgarian IK Interlingua IX Interling	Langua	aghas ancu	liet for the	a I ANGHA	CF monu			
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BE Bycorussian EU Basque IE Interlingue LA Latin NE Nepali RU Russian SU Sundanese RW Kinyarwanda SU Swedish UR Urdu RW Kinyarwanda SU Swedish UZ Uzbek	AZ Azerbaijani	ani EO Esperanto	HY Armenian		MY Burmese	$\overline{}$	SS Siswati	TW Twi
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IBG Bulgarian TEA Persian TIK Ununiak TEN Elliyala TINI Ulufeh Tengana TSV Swedish TITZ Hizhek	BE Byelorussian	ssian EU Basque	IE Interlingue		NE Nepali		SU Sundanese	UR Urdu
	BG Bulgarian	n FA Persian	IK Inupiak	3	NL Dutch		SV Swedish	UZ Uzbek
BH Binari Fi Finnish In Indonesian Eo Eadthair Ino Indonesian Eo Eadthair Eo Eadthair Ino Indonesian Eo Eadthair Eo	BH Bihari	FI Finnish	IN Indonesian		NO Norwegian		SW Swahili	VI Vietnamese
BI Bislama FJ Fiji IS Celandic ET Etituatiian OC Occitan EO Celand IA Iamii VO Volapuk	BI Bislama	FJ Fiji	IS Icelandic		OC Occitan		TA Tamil	VO Volapuk
BN Bengali, Ban FO Faroese IW Hebrew Lettical OM (Atan) CLL Corbo IE Ielugu WO Wolof		Ban FO Faroese	IW Hebrew				TE Telugu	WO Wolof
		FY Frisian	JI Yiddish				TG Tajik	XH Xhosa
BO TIDETAN GA Irish JW Javanese Workingsay OR Uriya St Singhalese TH Thai YO Yoruba		GA Irish	JW Javanese				TH Thai	YO Yoruba
BR Breton GD Scots Gaelic KA Georgian MI Maori PA Panjabi Si Singinarese TI Tigrinya ZU Zulu	BR Breton	GD Scots Gaelio	KA Georgian	IIVII IIVIdOII	PA Panjabi	C. Cgiidiooo	TI Tigrinya	ZU Zulu

LIMITED WARRANTY

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

90 DAYS

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

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

WHAT YOU MUST DO FOR WARRANTY SERVICE

Return your product to a JVC authorized service center with a copy of your bill of sale. For your nearest JVC authorized service center, please call toll free: (800) 537-5722.

🛕 If you have any questions concerning your JVC Product, please contact our Customer Relations Department.

This limited warranty provided by JVC does not cover:

1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model number

Signal reception problems and failures due to line power surge;

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

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

There are no express warranties except as listed above

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS 🕺 LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREI

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

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

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

Serial No. Purchase data Name of dealer

Authorized Service Centers

HOW TO LOCATE YOUR JVC SERVICE CENTER **TOLL FREE: 1 (800) 537-5722**

http://www.jvc.com

In order to receive the most satisfaction from your purchase please read the instruction booklet before operating the unit.In the event that repairs are necessary, please call 1 (800)537-5722 for your nearest authorized servicer or visit our website at www.JVC.com Remember to retain your Bill of Sale for Warranty Service.

Do not service the television yourself

To prevent electrical shock, do not open the cabinet. There are no user serviceable parts inside. Please refer to qualified service personnel for repairs.

To purchase accessories for your JVC product, please call toll free:1 (800)882-2345 or on the web at www.JVC.com

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, MPEG-4)

Video format: NTSC, 480i/480p selectable

Other

Power requirements: AC 120 V ∼, 60 Hz Power consumption: 10.0 W (POWER ON), 2.0 W (STANDBY mode) *Mass:* 1.6 kg (3.6 lbs)

Dimensions (W x H x D): 435 mm x 44 mm x 201 mm (17-3/16 inch x 1-3/4 inch x 7-15/16 inch)

Video outputs

COMPONENT (pin jacks) Y Output: 1.0 Vp-p (75 Ω) *PB/PR Output:* 0.7 Vp-p (75 Ω) *VIDEO OUT (pin jack):* 1.0 Vp-p (75 Ω) S-VIDEO OUT (S jack) *Y Output:* 1.0 Vp-p (75 Ω) *C Output:* 286 mVp-p (75 Ω)

Horizontal resolution: 500 lines or more

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 (samping)
Dynamic range

More than 98 dB DVD (sampling frequency 96 kHz): 2 Hz to 44 kHz

20 bit/24 bit: More than 100 dB Wow and flutter: Unmeasurable (less than ± 0.002%)

* Notes for PX model (Check the specification indication on the rear panel.) Power requirements: AC 110 V to 240 V ∼, 50 Hz/60 Hz

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Total harmonic distortion: less than 0.009%

Power consumption: 11.0 W (POWER ON), 2.0 W (STANDBY mode)

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'[TI |Tigrinya | ZU |Zulu 14

2 Press
/▶ to select the menu. 3 Press ▲/▼ to move to select the item

To dismiss a preference display

NOTES Some items in the menus cannot be changed during

- inserted, 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.
- Depending on the disc, the settings may not apply

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If service is not available locally, box the product carefully, preferably in the original carton, and ship, insured, with 🕻 a copy of your bill of sale plus a letter of explanation of the problem to the nearest JVC Factory Service Center, the

name and location of which will be given to you by the toll-free number.

or serial number has been altered, tampered with, defaced or removed; Initial installation and installation and removal for repair;
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;