

JVC DVD PLAYER XV-N422S

INSTRUCTIONS



AV COMPULINK

GNT0060-017A[AG/AH/AX/AS/AA/UM]
EN 0305MOC-MW-SC
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Region code of DVD VIDEO

This player can play back DVD VIDEO discs whose region code numbers include the player's Region Code, which is indicated on the region code symbol on the rear panel.

Examples of playable DVD VIDEO discs:



The player's region code is printed on the rear of the player.

Note of Color system format

This player is compatible with the PAL and NTSC systems. Select the correct color system for your TV (see "Initial settings").

Supplied accessories

- 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)
- AC power plug adaptor (x 1) (Only for Singapore)

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 STANDBY/ON button in any position does not disconnect the mains line. The power can be remote controlled.

IMPORTANT FOR LASER PRODUCTS

- CLASS 1 LASER PRODUCT
- 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.
- REPRODUCTION OF LABEL: CAUTION LABEL, PLACED INSIDE THE UNIT.

CAUTION: Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.	ADVERTENCIA: Sprinkeln Sie nicht mit Wasser.	AVVERTENZA: Sprinkeln Sie nicht mit Wasser.	AVVERTENZA: Sprinkeln Sie nicht mit Wasser.
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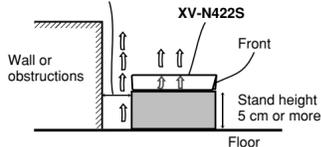
CAUTION:

- 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.

Caution: Proper Ventilation

- To avoid risk of electric shock and fire and to protect from damage, locate the apparatus as follows:
- Front: No obstructions and open spacing.
- Sides: No obstructions in 3 cm from the sides.
- Top: No obstructions in 5 cm from the top.
- Back: No obstructions in 15 cm from the back.
- Bottom: No obstructions, place on the level surface.

Spacing 15 cm or more



Precautions

Notes on the power cord

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

Avoid moisture, water, dust, and high temperatures

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

Notes on installation

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

To prevent malfunction of the player

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

To clean the cabinet

- Use a soft cloth. Follow the relevant instructions on the use of chemically-coated cloths.
- Do not use benzene, thinner or other organic solvents and disinfectants. These may cause deformation or discoloring.

Playable discs

DVD VIDEO, Audio CD, Video CD, SVCD

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

Supported Digital audio formats:

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

NOTES

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

Unplayable discs

- If you try to play back discs listed below, noise may be generated and causes damage to speakers.
- DVD-RW written in the VR format
- DVD-ROM, DVD-RAM, DVD AUDIO, CD-ROM, PHOTO CD, SACD
- Unfinalized discs
- Discs of irregular shape or discs with tape, seals or paste on either the label side or playback side.

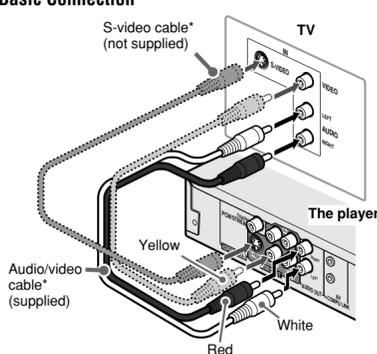
The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

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.

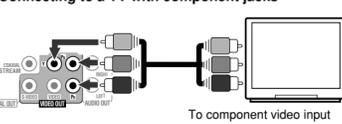
Basic Connection



NOTES

- Set the correct color system according to the color system your TV supports. (See "COLOUR SYSTEM" in "Initial settings.")
- If your TV has a monaural audio input instead of stereo, use an optional audio cable which converts stereo audio output to monaural.
- If your TV is a HDTV or HD-ready TV, you can connect with component (Y, Pb, Pr) jacks. By connecting with component (Y, Pb, Pr) jacks, you can select the progressive scanning mode which provides the best picture quality.
- * The S-VIDEO jack and the component (Y, Pb, Pr) jacks cannot be used at the same time. When using the S-VIDEO jack, do not connect the component (Y, Pb, Pr) jacks with the player.

Connecting to a TV with component jacks



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

NOTES

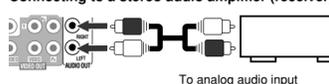
- Connect "Y" to "Y," "Pb" to "Pb(Cb)," "Pr" to "Pr(Cr)" correctly.
- When using the component (Y, Pb, Pr) jacks, do not connect the S-VIDEO jack with the player.

About the scanning mode indicator

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

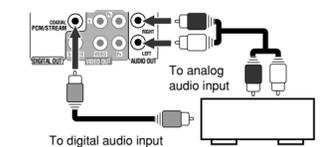
NOTE
Some progressive TV and High-Definition TV sets are not fully compatible with the player. To check the compatibility of your TV, contact your local JVC customer service center.

Connecting to a stereo audio amplifier (receiver)



Connecting to a digital audio device

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



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.")

Using the AV COMPULINK system

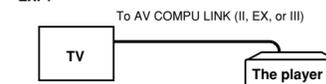
The AV COMPULINK system allows you to enjoy video and/or audio by simply pressing Play on the source component (the component which plays back the video or audio, such as a DVD player or VCR). You do not even have to switch on power on the TV or receiver.

Connection and setup

Using an AV COMPULINK cable, connect the AV COMPULINK terminals of each component to one another.

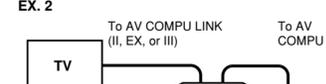
- The player's AV COMPULINK setting is controlled using the OTHERS menu in the preference display. See "AV COMPULINK MODE" in "Initial settings."
- See also the instruction manual of the other device.

EX. 1



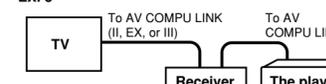
- Set the player's AV COMPULINK setting as follows:
 - When connecting to the VIDEO-1 input terminal of the television: **DVD2**
 - When connecting to the VIDEO-2 input terminal of the television: **DVD3**

EX. 2



- Set the VCR's Remote Control Code and the player's AV COMPULINK setting as follows:
 - When connecting to the VIDEO-1 input terminal of the television: The player's AV COMPULINK setting: **DVD2** VCR's Remote Control Code: **B**
 - When connecting to the VIDEO-2 input terminal of the television: The player's AV COMPULINK setting: **DVD3** VCR's Remote Control Code: **A**

EX. 3



- Set the player's AV COMPULINK setting to **DVD1**.
- Notes for connection**
 - If you connect the player to a receiver via AV COMPULINK in a system including a Dolby Digital decoder, some functions may not be performed automatically.
 - Connect the AUDIO OUT jacks of the player to the audio input jacks of a receiver indicating "DVD." Otherwise, the system will not work correctly.

Operation

- Turn on the main power of the television.
 - Insert a disc (or tape) into the source component.
 - Press **▶** of the source component.
- The following actions are performed automatically:
- Turning on the television and/or receiver.
 - Setting the source of the television to the external input (VIDEO-1 or VIDEO-2).
 - Setting the source of the receiver to the component which has started playback.

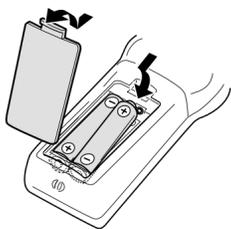
Turning on the power

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 **⏻**STANDBY/ON.

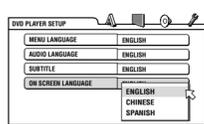
Initial setup

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

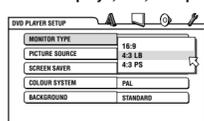
EXECUTE DVD PLAYER SETUP? - BASIC PICTURE/AUDIO SETTING
YES - PRESS ENTER NO - PRESS CANCEL

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

1 Press ENTER.

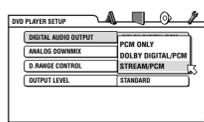


2 Press **▲/▼** to select the on-screen language for the preference displays, etc., then press ENTER.



3 Press **▲/▼** 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."

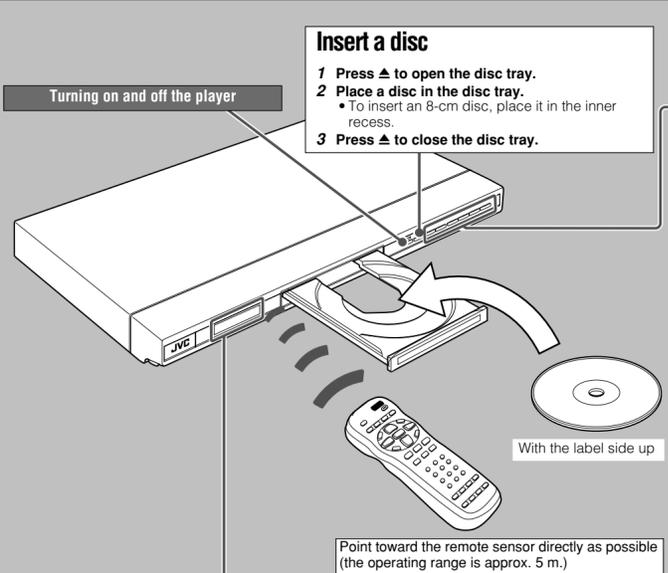


4 Press **▲/▼** to select a desired digital output signal type, then press ENTER.

- 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.

Basic Operations



Insert a disc

- Press **▶** to open the disc tray.
- Place a disc in the disc tray.
 - To insert an 8-cm disc, place it in the inner recess.
- Press **▶** to close the disc tray.

With the label side up

Point toward the remote sensor directly as possible (the operating range is approx. 5 m.)

About On-screen guide icons

- ▶**: Playback.
- ⏸**: Pause.
- ⏪**: Slow-motion playback with the current speed.
- ⏩**: Fast forward/backward playback with the current speed.
- 🏠**: At the beginning of a scene containing multi-angle views.
- 🔊**: At the beginning of a scene containing multi-audio sounds.
- 📄**: 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.")

Turning on and off the player

Open/close the disc tray

Basic playback

Buttons	To do
▶	Start/resume normal Playback
■	Stop <ul style="list-style-type: none"> When RESUME is ON or DISC RESUME, this player memorizes the position on the disc where you interrupted playback. To resume playback, press ▶. To stop playback completely, press ■ again.
⏸	Pause <ul style="list-style-type: none"> Each time you press ⏸ on the remote control, the still picture advances to the next frame.
⏩ / ⏪	Fast forward/backward (While paused) Slow-motion playback <ul style="list-style-type: none"> Each time you press the button, the playback speed changes.
⏩ / ⏪	Skip chapter/track <ul style="list-style-type: none"> If you press and hold the button during playback, playback is advanced/reversed at 5 times normal speed.
↺	(Only for DVD Video) The playback position moves back 10 seconds before the current position (only within the same title).

* **⏸** on the player starts/pauses playback.

Changing the display window contents

Each time you press **DISPLAY**, the display window contents changes.

Locating the beginning of a scene or song

You can select a title/chapter/track directly and start playback. For DVD Video: (While playing back) select chapter. For SVCD/VCD/CD: Select track.

To select 5: press 5.
To select 23: press 2, then 3.
To select 40: press 4, then 0.

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

Using the disc menu

You can operate a disc—SVCD/VCD with Playback Control* (PBC)—using the disc menu shown on the TV screen.

* A method of controlling disc play for SVCD/VCD by using the disc menu.

Changing the display brightness

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

For DVD

- Press **TOP MENU** or **MENU** to show the disc menu.
- Press **▲/▼/◀/▶** to select a desired item, then press **ENTER** or **▶**(SELECT).

- With some discs, you can also select items by entering the number using the numeric buttons.

For SVCD/VCD

- While stopped, press **TOP MENU** or **▶**(SELECT) to show the menu.
- Press the numeric buttons to select a desired item.
 - To select 5: press 5.
 - 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 **▶** or **◀**.
- To return to the previous menu, press **RETURN**.

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

To reactivate PBC

- Press **TOP MENU** or **MENU**.
- Press **■** to stop playback, then **▶**(SELECT).

Advanced Operations

Changing the language, sound and scene angle

- Press the button.
- Press the button repeatedly or **▲/▼** to select the desired item.
- Press **ENTER** to finish the setting.

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 picture tone (VFP)

The VFP (Video Fine Processor) function allows you to adjust the picture character according to the type of programming, picture tone or personal preferences.

- Press **VFP-I/P**.
- Press **▶** to select the desired preset.

Parameter	Value
GAMMA	MID
BRIGHTNESS	+4
CONTRAST	+10
SATURATION	+10
TINT	+10
SHARPNESS	LOW
Y DELAY	+2

Changing the Sound Field

Each time you press **SOUND EFFECT**, the Sound Effect mode changes.

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

Zooming the picture

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

- You can use **▲/▼/▶/◀** button to move the zoomed position.

To return to the normal playback, select the normal size by pressing **ZOOM** repeatedly.

To adjust the picture tone

- Select "USER1" or "USER2."
- Press **▲/▼** to select a parameter, then press **ENTER**.

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

- Press **▲/▼** to adjust the parameter, then press **ENTER**.
- Repeat step 2 and 3 to adjust other parameters.
- Press **VFP-I/P** to finish the setting.

Menu bar functions

You can use various functions from the menu bar.

To bring up the menu bar

When a disc is inserted, press ON SCREEN twice.

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

Ex.: Menu bar for DVD VIDEO



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

Basic operation procedure

1 Press ◀▶ to select the icon you want to work with.

2 Press ENTER.

After pressing ENTER:

(1) When a pull-down menu appears, press ▲/▼ to select the setting you want, then press ENTER.

(2) When a number-entry box appears, use the numeric buttons to enter the number you want, then press ENTER.

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

NOTES

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

Menu bar functions

TIME selects the time mode shown in the display window and the status bar.

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

- TIME:** Elapsed time of current chapter (DVD) or track (CD/VCD/SVCD)

- REM:** Remaining time of current chapter (DVD) or track (CD/VCD/SVCD) (while stopped, current track total time)

selects repeat mode.

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

- OFF:** Repeat mode deactivated. Select this to quit repeat mode.

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

DVD: In any condition
CD: In any condition except program or random playback

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

specifies a chapter to play back from (DVD only).

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 multi-angle part (DVD only).

PROG specifies the playback order of tracks while stopped (unavailable for DVD). You can program up to 99 tracks.

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

- To correct the program, press ▲/▼ to move ↵ to 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 and DivX files recorded on CD-R/RW, DVD-R/RW. The player supports discs recorded with up to five multiple sessions.

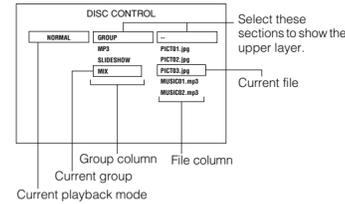
Precautions

- Use "ISO 9660" as the disc format.
- The player does not support "packet writing (UDF files)" discs.
- The player may be unable to play back a disc due to 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", ".wma", and ".divx") 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).
- The player supports the DivX files whose resolution is 720 x 480 pixels or less (30 fps), and 720 x 576 pixels or less (25 fps).

Selecting a specific file or group

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

Control display



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

- While stopped, press ▲/▼/◀▶ to move the cursor bar to playback mode.
- Press ENTER repeatedly to select the desired repeat mode.
 - REPEAT 1: Repeats the current file.
 - REPEAT GROUP: Repeats all files in the current group.
 - REPEAT ALL: Repeats all files on the disc.
- Press **▶** to move the cursor bar to the file column, then press **▶**(SELECT).

Random playback

- While stopped, press ▲/▼/◀▶ to move the cursor bar to playback mode.
- Press ENTER repeatedly to select RANDOM.
- Press **▶** to move the cursor bar to the file column, then press **▶**(SELECT).

Program playback

- While stopped, press ▲/▼/◀▶ to move the cursor bar to playback mode.
- Press ENTER repeatedly to select PROGRAM.
- Press ▲/▼/◀▶ to select the desired file, then press ENTER.
- 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.
- Press **▶**(SELECT).

To zoom in a picture

Press ZOOM.

Each time you press ZOOM, the magnification is changed—

- x1.5/x2 for JPEG files
- x2 for DivX files

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 vertically.
- Pressing **▼** reflects the picture horizontally.

To select a JPEG file from the thumbnail list

- Press and hold THUMBNAI/LIST while a JPEG file is selected on the Control display.
- Press ▲/▼/◀▶ to select the desired picture, then press ENTER.
 - You can change the page of thumbnail list by pressing **◀◀▶▶**.

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.

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 **▲** 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.

Initial settings

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

How to set the Initial settings

1 Press SET UP.

2 Press to select the menu.

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

4 Press ENTER.

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

To dismiss a preference display

Press SET UP.

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," "CHINESE," or "SPANISH" as the on-screen language.

PICTURE menu

Item	Contents
MONITOR TYPE	You can select the monitor type to match your TV when you play back DVD VIDEO discs recorded for wide-screen televisions. <p>[16:9] (Wide television screen): For a wide-screen (16:9) TV.</p> <p>[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.</p> <p>[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.</p>
PICTURE SOURCE	You can obtain optimal picture quality by selecting the source type of the disc contents. <p>[AUTO]: Normally, select this option. The player recognizes the picture type (film or video source) of the current disc according to the disc information.</p> <p>[FILM]: For a film source disc.</p> <p>[VIDEO(NORMAL)]: For a video source disc with relatively a few movements.</p> <p>[VIDEO(ACTIVE)]: For a video source disc with relatively a lot of movements.</p>
SCREEN SAVER	You can set the screen saver function to ON or OFF.
COLOUR SYSTEM	You need to select the color system format according to your TV. <p>[PAL]: A TV supporting PAL system.</p> <p>[NTSC]: A TV supporting NTSC system.</p> <p>[MUTCI]: A TV supporting both PAL and NTSC systems. The player outputs a PAL or NTSC video signal according to the disc.</p>
BACKGROUND	You can use your favorite image as the opening display. <p>[STANDARD]: Display the JVC original image.</p> <p>[USER]: Display your favorite image as the opening display when a JPEG image is registered.</p> <p>[SAVE AS BACKGROUND]: To register a new image, select this while a JPEG image is displayed on the TV.</p>

AUDIO menu

Item	Contents
DIGITAL AUDIO OUTPUT	Set this item correctly according to the logo on your receiver or decoder. <p>[PCM ONLY]: Receiver/decoder bearing neither Dolby Digital nor DTS logo, or digital recorder.</p> <p>[DOLBY DIGITAL/PCM]: Receiver/decoder bearing Dolby Digital logo and no DTS.</p> <p>[STREAM/PCM]: Receiver/decoder bearing both Dolby Digital and DTS logos.</p>
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. <p>[DOLBY SURROUND]: Select this when connecting to a surround decoder.</p> <p>[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.</p>
D.RANGE CONTROL	Set this item to listen to DVD VIDEO recorded in Dolby Digital format at low or middle volume. <p>[WIDE RANGE]: You can enjoy powerful playback sound.</p> <p>[NORMAL]: Normally, select this.</p> <p>[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.</p>
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. <p>[ON]: The player resumes playback from the position where playback has been stopped if the disc is still in the disc tray.</p> <p>[OFF]: This function is deactivated.</p> <p>[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.</p>
ON SCREEN GUIDE	Activate or deactivate the on-screen guide.
AUTO STANDBY	Set the time until the player turns off (into standby) automatically if playback is stopped for more than 30 minutes or 60 minutes.
AV COMPULINK MODE	Set this item correctly when using the AV COMPU LINK system. See "Using the AV COMPU LINK system" in "Connections."
DivX REGISTRATION	You can confirm of your player's Registration Code for DivX playback. <ul style="list-style-type: none">Once you played back a disc created by using the Registration Code, the player's code is overwritten by a totally different new one for copyright protection purpose.

PARENTAL LOCK	<div></div>
<p>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.</p> <p>[COUNTRY CODE]: Select the code of your country/area.</p> <p>[SET LEVEL]: Select the level of restriction. ("1" is the strictest.)</p> <p>[PASSWORD]: Enter your 4-digit password by pressing the numeric buttons (0 to 9).</p> <p>[EXIT]: Select this and press ENTER to go back to the OTHERS menu.</p> <p>Notes:</p> <ul style="list-style-type: none">Some DVD VIDEO cannot be played by this function. If you try to play such a disc, the PARENTAL LOCK menu appears on the TV and asks whether you want to release the lock or not. To release the lock and play, select "TEMPORARY RELEASE," press ENTER, then enter your password. Otherwise, eject the disc. To change the setting of the limitation, you need to enter your password. If you forget your password, enter "8888."	

Country/Area code list for Parental Lock

AD Andorra	CJ Côte d'Ivoire	GO Equatorial Guinea	LA Lao People's Democratic Republic	OM Oman	TF French Southern Territories
AE United Arab Emirates	CK Cook Islands	GR Greece	LB Lebanon	PA Panama	TG Togo
AF Afghanistan	CM Cameroon	GS South Georgia and the South Sandwich	LC Saint Lucia	PE Peru	TH Thailand
AG Antigua and Barbuda	CN China	GT Guatemala	LI Liechtenstein	PF French Polynesia	TJ Tajikistan
AI Anguilla	CO Colombia	GU Guam	LK Sri Lanka	PG Papua New Guinea	TK Tokelau
AL Albania	CR Costa Rica	GY Guyana	LR Liberia	PH Philippines	TM Turkmenistan
AM Armenia	CY Cyprus	HM Heard Island and McDonald Islands	LS Lesotho	PK Pakistan	TN Tunisia
AN Netherlands Antilles	CX Christmas Island	IT Italy	LT Lithuania	PL Poland	TO Tonga
AO Angola	CZ Czech Republic	HN Honduras	LU Luxembourg	PM Saint Pierre and Miquelon	TR Turkey
AQ Antarctica	DE Germany	HR Croatia	LV Latvia	PN Pitcairn	TT Trinidad and Tobago
AR Argentina	DJ Djibouti	HT Haiti	LY Libyan Arab Jamahiriya	PR Puerto Rico	TV Tuvalu
AS American Samoa	DK Denmark	IE Ireland	MA Morocco	PT Portugal	TW Taiwan
AT Austria	DM Dominica	IL Israel	MC Monaco	PY Paraguay	UZ Uzbekistan
AU Australia	DO Dominican Republic	HU Hungary	MD Moldova, Republic of	QA Qatar	VA Vatican City (State Holy See)
AZ Azerbaijan	DZ Algeria	ID Indonesia	MG Madagascar	RE Réunion	VC Saint Vincent and the Grenadines
BA Bosnia and Herzegovina	EE Estonia	IN India	MH Marshall Islands	RO Romania	VG Virgin Islands (British)
BB Barbados	EG Egypt	IO British Indian Ocean Territory	MI Mali	RU Russian Federation	VI Virgin Islands (U.S.)
BD Bangladesh	EH Western Sahara	IQ Iraq	MP Northern Mariana Islands	SA Saudi Arabia	VN Vietnam
BE Belgium	ER Eritrea	IR Iran (Islamic Republic of)	MQ Martinique	SB Solomon Islands	VU Vanuatu
BF Burkina Faso	ES Spain	IS Iceland	MR Mauritania	SC Seychelles	WF Wallis and Futuna Islands
BG Bulgaria	ET Ethiopia	JM Jamaica	MS Montserrat	SD Sudan	
BH Bahrain	FI Finland	JO Jordan	MT Malta	SE Sweden	
BI Burundi	FJ Fiji	JP Japan	NA Namibia	SG Singapore	
BJ Benin	FK Falkland Islands (Federated States of)	KE Kenya	NL Netherlands	SI Slovenia	
BM Bermuda	FM Federated States of Micronesia	KG Kyrgyzstan	NO Norway	SJ Svalbard and Jan Mayen	
BN Brunei Darussalam	FO Faroe Islands	KI Kiribati	NZ New Zealand	SN Senegal	
BO Bolivia	FR France	KM Comoros		SO Somalia	
BR Brazil	FX France, Metropolitan	KN Saint Kitts and Nevis		SR Suriname	
BS Bahamas	GA Gabon	KP Korea, Democratic Republic of		ST Sao Tome and Principe	
BT Bhutan	GB United Kingdom	KR Korea, Republic of		SV El Salvador	
BV Bouvet Island	GD Grenada	KW Kuwait		SY Syrian Arab Republic	
BY Belarus	GE Georgia	KY Cayman Islands		SZ Swaziland	
BZ Belize	GF French Guiana	KZ Kazakhstan		TC Turks and Caicos Islands	
CA Canada	GH Ghana			TD Chad	
CC Cocos (Keeling) Islands	GI Gibraltar				
CF Central African Republic	GL Greenland				
CG Congo	GM Gambia				
CH Switzerland	GN Guinea				
	GP Guadeloupe				

Language codes list for the LANGUAGE menu

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

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, DivX)

Video format:

NTSC: 525i/525p

PAL: 625i/625p

Other

Power requirements:

AC 1