Pioneer

DVD Player

DV-3022V/DV-3020V DV-2022/DV-2020

Operating Instructions

English on top side.
Italiano sul lato opposto.

Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your model properly.
After you have finished reading the instructions, put them away in a safe place for future reference.

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What's in the box

- Remote Control
- AAA batteries (R03) x 2
- Warranty card
- Operating instructions (This document)

Discover the benefits of registering your product online at **http://www.pioneer.co.uk** (or **http://www.pioneer.eu**).
Download an electronic version of this manual from our website.

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J2P00621A SH K00/00

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K002_B2_En

Printed in Thailand

Safety cautions

IMPORTANT

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 product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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.

D3-4-2-1-1_A1_En

CAUTION
The ⏻ STANDBY/ON switch on this unit will not completely shut off all power from the AC outlet. Since the power cord serves as the main disconnect device for the unit, you will need to unplug it from the AC outlet to shut down all power. Therefore, make sure the unit has been installed so that the power cord can be easily unplugged from the AC outlet in case of an accident. To avoid fire hazard, the power cord should also be unplugged from the AC outlet when left unused for a long period of time (for example, when on vacation).

D3-4-2-2-2a*_A1_En

If the AC plug of this unit does not match the AC outlet you want to use, the plug must be removed and appropriate one fitted. Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel. If connected to an AC outlet, the cut-off plug can cause severe electrical shock. Make sure it is properly disposed of after removal.
The equipment should be disconnected by removing the mains plug from the wall socket when left unused for a long period of time (for example, when on vacation).

D3-4-2-2-1a_A1_En

WARNING
To prevent a fire hazard, do not place any naked flame sources (such as a lighted candle) on the equipment.

D3-4-2-1-7a_A1_En

This product is for general household purposes. Any failure due to use for other than household purposes (such as long-term use for business purposes in a restaurant or use in a car or ship) and which requires repair will be charged for even during the warranty period.

K041_A1_En

WARNING
Before plugging in for the first time, read the following section carefully.
The voltage of the available power supply differs according to country or region. Be sure that the power supply voltage of the area where this unit will be used meets the required voltage (e.g., 230 V or 120 V) written on the rear panel.

D3-4-2-1-4*_A1_En

POWER-CORD CAUTION
Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause a fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

S002*_A1_En

VENTILATION CAUTION
When installing this unit, make sure to leave space around the unit for ventilation to improve heat radiation (at least 10 cm at top, 10 cm at rear, and 10 cm at each side).

WARNING
Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product, and to protect it from overheating. To prevent fire hazard, the openings should never be blocked or covered with items (such as newspapers, table-cloths, curtains) or by operating the equipment on thick carpet or a bed.

D3-4-2-1-7b*_A1_En

WARNING
This equipment is not waterproof. To prevent a fire or shock hazard, do not place any container filled with liquid near this equipment (such as a vase or flower pot) or expose it to dripping, splashing, rain or moisture.

D3-4-2-1-3_A1_En

CAUTION
This product is a class 1 laser product classified under the Safety of laser products, IEC 60825-1:2007.

CLASS 1 LASER PRODUCT

DS8-5-2-2a_A1_En

Information for users on collection and disposal of old equipment and used batteries

These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points in accordance with your national legislation.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

These symbols are only valid in the European Union.

For countries outside the European Union:

If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Symbol for equipment

Symbol examples for batteries

K058a_A1_En

Operating Environment

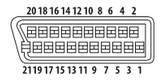
Operating environment temperature and humidity: +5 °C to +35 °C (+41 °F to +95 °F); less than 85 %RH (cooling vents not blocked)
Do not install this unit in a poorly ventilated area, or in locations exposed to high humidity or direct sunlight (or strong artificial light)

D3-4-2-1-7c*_A1_En

Specifications

Power requirements. . . . . .AC 220 V to 240 V, 50 Hz/60 Hz
Power consumption. . . . . .
11 W (DV-3022V), 7 W (DV-3020V), 10 W (DV-2022), 6 W (DV-2020)
Power consumption (standby)
DV-3022V/DV-3020V . . . . . 0.8 W
DV-2022/DV-2020. . . . . 0.5 W
Weight . . . . . 1.2 kg
External dimensions
. . . . . .360 mm (W) x 42 mm (H) x 200 mm (D)
Tolerable operating temperature . . . . . +5 °C to +35 °C
Tolerable operating humidity . . . . . 5 % to 85 % (no condensation)

AV Connector (21-pin connector assignment)
AV connector output . . . . . 21-pin connector
This connector provides the video and audio signals for connection to a compatible colour TV or monitor.
PIN no.
1. . . . . Audio 2/R out
3. . . . . Audio 1/L out
4. . . . . GND
7. . . . . B out
8. . . . . Status
11. . . . . G out
15. . . . . R out
17. . . . . GND
19. . . . . Video out
21. . . . . GND



Video output
Output level. . . . . .1 Vp-p (75 Ω)
Output terminal . . . . . RCA terminal

HDMI output (Only for DV-3022V/DV-3020V)
Output terminal 19-pin

Audio output (stereo L/R)
Audio output level . . . . . .200 mVrms (1 kHz, -20 dB)
Output terminal . . . . . RCA terminal
Frequency response. . . . . .4 Hz to 44 kHz

Digital audio output
Coaxial digital output. . . . . RCA terminal

Additional information (Only for DV-3022V/DV-2022)
USB port . . . . . A type

♦ Notes

- The specifications and design of this product are subject to change without notice.
- This product includes FontAvenue® fonts licensed by NEC Corporation. FontAvenue is a registered trademark of NEC Corporation.

1 Before you start

Loading the batteries in the remote control

- **Open the rear lid and insert the batteries.**

WARNING
Do not use or store batteries in direct sunlight or other excessively hot place, such as inside a car or near a heater. This can cause batteries to leak, overheat, explode or catch fire. It can also reduce the life or performance of batteries.

♦ Notes

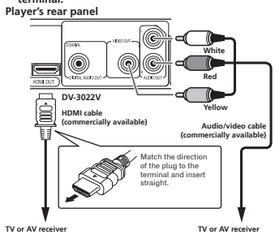
- When inserting the batteries, make sure not to damage the springs on the battery's (⊖) terminals.
- Do not use any batteries other than the ones specified. Also, do not use a new battery together with an old one.
- When loading the batteries into the remote control, set them in the proper direction, as indicated by the polarity marks (⊕ and ⊖).
- Do not heat batteries, disassemble them, or throw them into flames or water.
- Batteries may have different voltages, even if they are the same size and shape. Do not use different types of batteries together.
- To prevent leakage of battery fluid, remove the batteries if you do not plan to use the remote control for a long period of time (1 month or more). If the fluid should leak, wipe it carefully off the inside of the case, then insert new batteries. If a battery should leak and the fluid should get on your skin, flush it off with large quantities of water.
- When disposing of used batteries, please comply with governmental regulations or environmental public institution's rules that apply in your country/area.

Connections

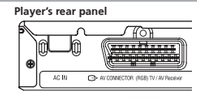
There are three different ways to connect to this device: using a audio/video cable, HDMI cable, or a SCART AV cable. To connect, refer to the following.

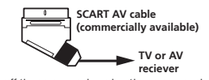
- **Only DV-3022V and DV-3020V have HDMI OUT terminal.**

Player's rear panel



Player's rear panel





- Be sure to turn off the power and unplug the power cord from the power outlet whenever making or changing connections.
- Connect the power cord after all the connections between devices have been completed.

♦ Notes for DV-3022V/DV-3020V

- Signals can be transferred to an HDMI-compatible TV without loss of picture or sound quality using an HDMI cable.
  Follow the TV instructions after the connections, then set **HDMI Resolution** (section 4).
- This player's interface is designed according to the High-Definition Multimedia Interface specifications.
- When an HDMI-compatible device is connected, the resolution is displayed on the front panel display.
- The resolution of the video signals output from the **HDMI OUT** terminal can be changed manually. Change the **HDMI Resolution** setting (section 4). Settings for two units can be stored in the memory.
- This player is designed for connecting to HDMI-compatible devices. It may not operate properly if connected to DVI devices.

Playable audio signals through the HDMI OUT terminal (DV-3022V/DV-3020V)

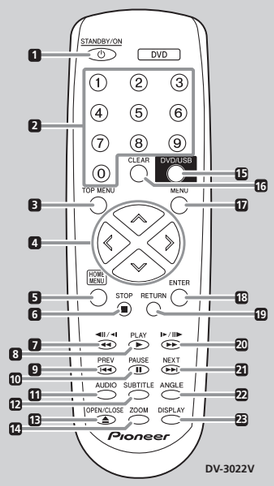
- 44.1 kHz to 96 kHz, 16-bit/20-bit/24-bit 2-channel linear PCM audio (including 2-channel downmixing)
- Dolby Digital 5.1-channel audio
- DTS 5.1-channel audio
- MPEG audio

Connecting using commercially available cables

- The player can be connected to an AV amplifier, etc., using commercially available digital audio cables.

2 Part names and functions

Remote control



♦ Note

The illustrations used in this operating instructions are DV-3022V.

1 ⏻ STANDBY/ON
Press to turn the power on and off.

2 Number buttons (0 to 9)
Use these to specify and play the title, chapter, track or file. Also use to select items on **MENU** screens, etc.

3 TOP MENU
Press to display the top menu of the DVD-Video.

4 ∧/∨/</>
Use these to select items, change settings and move the cursor.

5 HOME MENU
Press to display/hide **HOME MENU**.

- **Audio Settings** (section 4)
- **Video Adjust** (section 4)
- **Play Mode** (see **13 PLAY MODE** on the right column)
- **Disc Navigator** (see **17 MENU** on the right column)
- **Initial Settings** (section 4)

6 ■ STOP
To resume play, press ■ **STOP** once during playback. If you press ► **PLAY** after that, playback starts from the point you last stopped.
To cancel resume play, press ■ **STOP** again while playback is stopped.

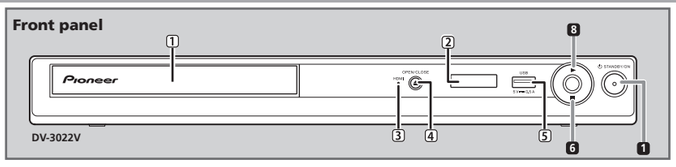
7 ◄◄/◄II/◄|
- Press during playback to fast-reverse.
- Press in the pause mode to move backward frame-by-frame.
- Press and hold in the pause mode to play back slowly (reverse). Releasing the button stops slow play.

8 ► PLAY
Press to start playback.

9 |◄◄ PREV
Press to return to the beginning of the currently playing title, chapter, track or file. Press twice to move back to the beginning of the previous title, chapter, track or file.

10 II PAUSE
Press to stop playback temporarily. Press again to resume.

Front panel



11 AUDIO
For discs or files including multiple audio streams/channels, the audio stream/channel can be changed during playback.

12 SUBTITLE
On DVD-Video or DivX discs containing subtitles in multiple languages, the subtitle can be changed during playback.

13 ⏏ OPEN/CLOSE
Press to open and close the disc tray and load the disc.

14 ZOOM
Press to zoom on the image.

15 DVD/USB (section 3) (DV-3022V/DV-2022)
Press to switch between DVD and USB modes.

PLAY MODE (DV-3020V/DV-2020)
- **A-B Repeat**
  The specified section within a single title or track is played repeatedly.
- **Repeat**
  Plays titles, chapters, tracks or files repeatedly.
- **Random**
  Plays titles, chapters or tracks in random order.
- **Program**
  See section 3 for details.
- **Search Mode**
  Plays the specified number or time within the title, chapter, track or file.

The **Play Mode** function may not work for some discs or files.

16 CLEAR
Press to cancel the selected item.

17 MENU
- Press to display **MENU** screen or **Disc Navigator**.
- Select the title, chapter, track or file from the **Disc Navigator** to play back.

18 ENTER
Use this to implement the selected item or enter a setting that you have changed.

19 RETURN
Press to return to the previous screen.

20 ►►/ I► /II►
- Press during playback to fast-forward.
- Press in the pause mode to move forward frame-by-frame.
- Press and hold in the pause mode to play back slowly (forward). Releasing the button stops slow play.

21 ►►| NEXT
Press during playback to skips ahead to the beginning of the next title, chapter, track or file.

22 ANGLE
- On DVD-Video discs containing multiple angles, the angle can be changed during playback.
- Press and hold during the Audio CD playback to repeat the disc/track.
  Each time you press and hold, the repeat mode changes between the disc repeat and track repeat mode.

23 DISPLAY
The elapsed time, amount remaining, etc., is displayed.

<Only for the front panel>

1 **Disc tray**
2 **Front panel display**
3 **HDMI indicator (DV-3022V/DV-3020V)**
Lights when the de vice connected to the **HDMI OUT** terminal is recognized.
4 **⏏ OPEN/CLOSE**
5 **USB port (type A) (DV-3022V/DV-2022)**

3 Convenient functions

Playing in the desired order (Programmed Play)

DVD-Video | Video CD | CD(R/RW) | DivX® | WMA | MP3

1 Display the Play Mode screen.
Select **Play Mode** from **HOME MENU** screen.

2 Select Program.
Use ∧/∨ to select, then press **ENTER** or >.

3 Select Create/Edit.
Use ∧/∨ to select, then press **ENTER**.
- The **Create/Edit** screen differs according to the disc or file.

4 Select the title, chapter, track or file.
Use ∧/∨/</> to select, then press **ENTER**.
- To add to a program, first select the place in the program (the program step), next select the title, chapter, track or file then press **ENTER** (files are added at the end of program).
- Press **RETURN** to return to the previous screen. If you return to the previous screen when inputting it, the settings you have programmed are cleared.
- To delete a step, highlight it and press **CLEAR**.

5 Start playback.
Press ► **PLAY**.
- To play the program, select **Playback Start** from the program screen, then press **ENTER**.
- To resume normal playback, select **Playback Stop** from the program screen, then press **ENTER**. The program remains in the memory.
- To cancel the entire program, select **Program Delete** from the program screen, then press **ENTER**.

♦ Notes

- Programs can be played repeatedly. Select **Program Repeat** from **Repeat** on the **Play Mode** screen during programmed playback.
- Programs cannot be played in random order (random play is not possible during programmed play).

Playing files on USB devices (DV-3022V/DV-2022)

JPEG | DivX® | WMA | MP3

- The player may not recognize the USB device, play files or supply power to the USB device. For details, see *When a USB device is connected* in section 6.
- Pioneer does not support that all files recorded on all USB devices will play or that power will be supplied to the USB device. Also note that Pioneer will accept no responsibility whatsoever for loss of files on USB devices caused by connection to this player.

1 Switch to USB mode.
Press **DVD/USB**.
USb is displayed on the front panel display.

2 Connect the USB device.
Connect the USB device to the USB port on the front panel (section 2).
The **Disc Navigator** appears automatically.

3 Start playback.
Use ∧/∨/</>/> to select the file, then press **ENTER**.
- Turn the power off before removing the USB device.
- To return to DVD mode, press **DVD/USB** or ⏏ **OPEN/CLOSE**.

Copying files on to USB devices (DV-3022V/DV-2022)

JPEG | DivX® | WMA | MP3

Files stored on the discs can be copied on to the USB device through the player.

1 Display the Disc Navigator screen.
Press **MENU**.
- Press ■ **STOP** to stop playback if the file is being played.

2 Select the file.
Use ∧/∨/</> to select, then press >.

3 Start copying.
Use </> to select **Yes**, then press **ENTER**.
The file copying process will appear on the screen.

♦ Notes

- Do not operate any buttons during the file copying process.
- A folder named "PIONEER" is automatically created on the USB device.
  The copied files are stored in this folder.

4 Changing the settings

The factory default settings are indicated in *italic*.

Audio Settings parameters

Sound Retriever (High/Low/*Off*)
- The sound of a WMA or MP3 file is played with high sound quality. This is only valid for files with the extension ".wma" or ".mp3".
- The effect depends on the file. Try different settings, and choose the one providing the good effect.

Equalizer (*Off*/Rock/Pop/Live/Dance/Techno/Classic/Soft)
- Select according to the genre of music to be listened to.

Audio DRC (High/Medium/Low/*Off*)
- This makes loud sounds weaker and weak sounds louder.
- This setting only affects Dolby Digital sound.
- The effect depends on the volume of the connected units. Try different settings, and choose the one providing the strongest effect.

Dialog (High/Medium/Low/*Off*)
- Change this setting if the sound of the dialogs is too low.

About Sound Retriever function
When audio data is removed during the compression process, sound quality often degrades. The Sound Retriever function automatically enhances compressed audio and restores CD quality sound.

Video Adjust parameters

Sharpness (Fine/*Standard*/Soft)
- Adjusts the picture's sharpness.

Brightness (-20 to +20)
- Adjusts the picture's brightness.

Contrast (-16 to +16)
- Adjusts the ratio of the brightness of the brightest and darkest portions of the picture.

Gamma (-3 to +3)
- Adjusts the look of the dark portions of the picture.

Hue (green 9 to red 9)
- Adjusts the balance between green and red.

Chroma Level (-9 to +9)
- Adjusts the density of the colors. This setting is effective for sources with many colors, such as cartoons.

Brightness, **Contrast**, **Gamma**, **Hue** and **Chroma Level** are set to ***0*** upon purchase.

Initial Settings parameters

- The player's detailed settings can be changed here.
- **Initial Settings** cannot be selected during playback.

Digital Audio Out settings

HDMI Out (DV-3022V/DV-3020V)
- Select the audio signals to be output from the **HDMI OUT** terminal (**LPCM (2CH)**/***Auto***/**Off**) according to the connected HDMI-compatible device.

Digital Out
- Select whether to output digital audio signals (***On***) from the **COAXIAL DIGITAL AUDIO OUT** terminals or not (**Off**).

Dolby Digital Out
- Select whether to output Dolby Digital audio signals (***Dolby Digital***) or to convert them into linear PCM signals (**Dolby Digital** > **PCM**), according to the connected unit.

DTS Out
- Select whether to output DTS audio signals (***DTS***) or not (**Off**), according to the connected unit.

96 kHz PCM Out
- Select whether to output 96 kHz audio signals (**96kHz**) or to convert them into linear PCM signals (***96kHz*** > ***48kHz***), according to the connected unit.

MPEG Out
- Select whether to output MPEG audio signals (**MPEG**) or to convert them into linear PCM signals (***MPEG*** > ***PCM***), according to the connected unit.

Video Output settings

TV Screen
- Change the picture's display format (**4:3 (Letter Box)**/**4:3 (Pan & Scan)**/**16:9 (Wide)**/**16:9 (Compressed)**), according to the connected TV.
  The player's factory default settings are set as below.
  DV-3022V/DV-3020V . . . . . ***16:9 (Wide)***
  DV-2022/DV-2020 . . . . . ***4:3 (Letter Box)***
- **16:9(Compressed)** can only be set on DV-3022V and DV-3020V.

HDMI Resolution (DV-3022V/DV-3020V)
- Change the resolution of the video signals output from the **HDMI OUT** terminals (***720x480i***/***720x576i***/***720x480p***/***720x576p***/**1280x720p**/**1920x1080i**/**1920x1080p**).

HDMI Color (DV-3022V/DV-3020V)
- Change the video signals output from the **HDMI OUT** terminal (**Full range RGB**/**RGB**/***Component***).

Deep Color (DV-3022V/DV-3020V)
- Select **Auto** when the connected TV or monitor is compatible with Deep Color (**Auto**/***Off***).

Language settings

Audio Language
- Change the language when listening to the sound of DVD-Video discs (***English***/available languages/**Other Language**).

Subtitle Language
- Change the language of the subtitles displayed for DVD-Video discs (***English***/available languages/**Other Language**).

DVD Menu Lang.
- Change the language used for the menu displays of DVD-Video discs (***w/Subtitle Lang.***/available languages/**Other Language**).

Subtitle Display
- Select whether to display subtitles (***On***) or not (**Off**).

Display settings

OSD Language
- Change the language of the operation messages (**Play**, **Stop**, etc.) displayed on the TV screen (***English***/available languages).

Angle Indicator
- Select whether to display the angle mark on the TV screen (***On***) or not (**Off**).

On Screen Display
- Select whether to display operation messages (**Play**, **Stop**, etc.) on the TV screen (***On***) or not (**Off**).

Options settings

Control (DV-3022V/DV-3020V)
- Select whether to operate the player using the remote control of the AV component connected using an HDMI cable (***On***) or not (**Off**).

Parental Lock
- Restrict DVD-Video viewing (**Password**/**Level Change**/**Country Code**).

DivX VOD
- Display the registration code required for playing DivX VOD files (**Activate**/**Deactivate**).

Auto Power Off
- Select whether to turn the power off automatically (***On***) or not (**Off**). When set to ***On***, the power automatically turns off if no operation is performed for 30 minutes or more.

Restoring all the settings to the defaults

While the player is in the standby mode...

Press ⏻ STANDBY/ON while pressing ■.
Use the buttons on the front panel.

5 Playable discs and files

Playable discs

DVD-Video	• DVD-Video discs • DVD-R/-RW/-R DL and DVD+R/+RW/+R DL discs recorded in the Video mode
DVD VR	DVD-R/-RW/-R DL discs recorded in the VR mode
Video CD	Video CDs (including Super VCDs)
CD(R/RW)	• Audio CDs • CD-R/-RW/-ROM discs containing music recorded in the CD-DA format
JPEG	JPEG files recorded on DVD-R/-RW/-R DL discs, CD-R/-RW/-ROM discs
DivX®	DivX video files recorded on DVD-R/-RW/-R DL discs, CD-R/-RW/-ROM discs
WMA	WMA files recorded on DVD-R/-RW/-R DL discs, CD-R/-RW/-ROM discs
MP3	MP3 files recorded on DVD-R/-RW/-R DL discs, CD-R/-RW/-ROM discs
FUJICOLOR-CD	
KODAK Picture CD	

- **Only the discs that have been finalized can be played.**
- DVD is a trademark of DVD Format/Logo Licensing Corporation.
- is a trademark of FUJIFILM Corporation.
- RW COMPATIBLE
  This label indicates playback compatibility with DVD-RW discs recorded in VR format (Video Recording format). However, for discs recorded with a record-only-once encrypted program, playback can only be achieved using a CPRM compatible device.

♦ Notes

- This player does not support multisession discs or multiborder recording.
- Multisession/multiborder recording is a method in which data is recorded on a single disc in two or more sessions/borders. A "session" or "border" is one recording unit, consisting of a complete set of data from lead-in to lead-out.

Discs that cannot be played

- Blu-ray discs
- HD DVDs
- AVCHD
- AVCREC
- DVD-Audio discs
- DVD-RAM discs
- SACDs
- CD-G
- Discs recorded with packet writing
- Programs that can be recorded only once and that are (already) recorded on a DVD-R/-RW/-R DL

About region numbers

All DVD-Video discs carry a region mark (number) on the case. The mark (number) denotes the region(s) of the world in which the disc is compatible. Your DVD player also has a region mark (number), which you can find on the rear panel.
If you try to play a disc of an incompatible region, "**Incompatible disc region number Can't play disc**" will be displayed on the screen and you will not be able to play the disc. Discs marked "**ALL**" can be played in any player. The diagram below shows the various DVD regions of the world.

Regarding copy protected CDs

This player is designed to conform to the specifications of the audio CD format. This player does not support the playback or function of discs that do not conform to these specifications.

Playing discs created on computers or BD/DVD recorders

- The player may not be able to play discs recorded using a computer. Record discs in a format playable on this player. For details, contact the dealer.
- The player may not be able to play discs recorded using a computer or a BD/DVD recorder, if burn quality is not good due to characteristics of the disc, scratches, dirt on the disc, dirt on the recorder's lens, etc.

Playable files

- Only discs recorded in ISO9660 Level 1, Level 2 and Joliet can be played.
- Files protected by DRM (Digital Rights Management) cannot be played.
- Files other than the ones below (WMV, MPEG4-AAC, etc.) are not guaranteed to play.

Supported video file formats

DivX
- DivX is a media technology created by DivX, Inc. DivX media files contain image data.
- DivX files may also include such advanced playback functions as menu screens and selection of multiple subtitle languages/audio tracks.

DIVX™

- DivX®, DivX Certified® and associated logos are trademarks of DivX, Inc. and are used under license.

Displaying external subtitle files
- The font sets listed below are available for external subtitle files. You can see the proper font set on-screen by setting the **Subtitle Language** in section 4 to match the subtitle file.
- This player supports the following language groups:

Group 1	Afrikaans (af), Basque (eu), Catalan (ca), Danish (da), Dutch (nl), English (en), Faroese (fo), Finnish (fi), French (fr), German (de), Icelandic (is), Irish (ga), Italian (it), Norwegian (no), Portuguese (pt), Rhaeto-Romanic (rm), Scottish (gd), Spanish (es), Swedish (sv)
Group 2	Albanian (sq), Croatian (hr), Czech (cs), Hungarian (hu), Polish (pl), Romanian (ro), Slovak (sk), Slovenian (sl)
Group 3	Bulgarian (bg), Byelorussian (be), Macedonian (mk), Russian (ru), Serbian (sr), Ukrainian (uk)
Group 4	Hebrew (iw), Yiddish (ji)
Group 5	Turkish (tr)

- Some external subtitle files may be displayed incorrectly or not at all.
- For external subtitle files the following subtitle format filename extensions are supported (please note that these files are not shown within the disc navigation menu): .srt, .sub, .ssa, .smi
- The filename of the movie file has to be repeated at the beginning of the filename for the external subtitle file.
- The number of external subtitle files which can be switched for the same movie file is limited to a maximum of 10.

Supported image file formats

JPEG
- Resolution: Up to 3 072 x 2 048 pixels
- This player supports baseline JPEG.
- This player supports Exif Ver.2.2.
- This player does not support progressive JPEG.

Supported audio file formats

- This player does not support VBR (Variable Bit Rate) and lossless encoding.

Windows Media™ Audio (WMA)
- Sampling frequencies: 32 kHz, 44.1 kHz and 48 kHz
- Bit rate: Up to 192 kbps
- This player supports files encoded using Windows Media Player Ver. 7/7.1, Windows Media Player for Windows XP and Windows Media Player 9 Series.
- Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.
- This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from Microsoft Licensing, Inc.

MPEG-1 Audio Layer 3 (MP3)
- Sampling frequencies: 32 kHz, 44.1 kHz and 48 kHz

Playable file extensions

Video files
.divx .avi
- Files not containing DivX video signals cannot be played, even if they have the extension ".avi".

Image files
.jpg .jpeg

Audio files
.wma .mp3

6 Troubleshooting

- Incorrect operation is often mistaken for trouble or malfunction. If there is something wrong with this player, check the symptoms below.
  Sometimes the trouble lie in another component connected to this player. Inspect the component and electrical appliances being used. If the trouble cannot be rectified after checking the items below, ask your nearest Pioneer authorized service center or your dealer to carry out repair work.
- The player may not operate properly due to static electricity or other external influences. In such cases, normal operation may be restored by unplugging the power cord then plugging it back in.

Difference in volume between DVD and CD.
☞ The volume may sound different due to differences in how the signals are recorded on the disc.

Disc cannot be played or disc tray opens automatically.
☞ If the disc is dirty, wipe the dirt off the disc (section 7).
☞ Set the disc with the printed side facing up.
☞ Check the disc's region number, and if the number is compatible for playback on the player (section 5). Only the discs with the appropriate region number or "ALL" can be played.

The power turns off automatically.
☞ If **Auto Power Off** is set to ***On***, the power turns off automatically if no operation has done for over 30 minutes (section 4).

Picture is stretched, or aspect ratio cannot be changed.
☞ Refer to the TV's operating instructions and set the TV's aspect ratio properly.
☞ Set **TV Screen** properly (section 4).

Picture is disturbed or dark during playback.
☞ When the player and the TV are connected via a video deck, "analog copy protect function" may cause the picture being played on the video deck not to display properly. Connect the player and TV directly.
☞ Set the TV system properly. The factory default setting is **AUTO**. If the picture is distorted, switch the TV system to the one used in your country or region (**NTSC** or **PAL**) (section 7).

96 kHz/88.2 kHz digital audio signals are not output from the COAXIAL DIGITAL AUDIO OUT terminals.
☞ Set **96 kHz PCM Out** to ***96kHz > 48kHz***.
☞ The 96 kHz/88.2 kHz digital audio signals of copyright-protected discs cannot be output.

Folder or file names are not recognized.
☞ This player can recognize up to 299 folders on one disc and 648 files within one folder. Depending on the folder structure, however, the player may not be able to recognize certain folders or files.

Folder or file names are not displayed or properly displayed
☞ Only 1-byte alphanumeric characters can be displayed. Folder and file names including characters other than 1-byte alphanumeric characters may be displayed for example as F_007 or FL_001, and the characters may be garbled.

Much time is required to play JPEG files.
☞ The player may take longer to display large files.

Black bars are displayed when playing JPEG files.
☞ Black bars may be displayed along the top and bottom or sides when JPEG files with different aspect ratios are played.

When a USB device is connected (DV-3022V/DV-2022)

USB device is not recognized.
☞ Turn the power off, then disconnect and reconnect the USB device.
☞ This player does not support USB hubs. Connect the USB device directly.
☞ This player only supports USB mass storage class devices.
☞ This player supports portable flash memory and digital audio playback devices.
☞ Only the FAT16 and FAT32 file systems are supported. Other file systems (exFAT, NTFS, etc.) are not supported.
☞ If the USB device is equipped with an AC adapter, use the USB device with the AC adapter connected.
☞ Some USB devices may not be recognized properly.

File cannot be played.
☞ Copyright-protected files cannot be played.
☞ Files stored on a computer cannot be played.
☞ It may not be able to play some files.

Folder or file names are not displayed or properly displayed.
☞ The maximum displayable number of characters for the folder and file names on the **Disc Navigator** is 14.

Folder or file names are not displayed in alphabetical order.
☞ The order of the folder and file names displayed on the **Disc Navigator** is dependant on the time and date when the folders or files were created on the USB device.

Much time is required to recognized the USB device.
☞ It may take longer to load data when a large capacity USB device is connected (this could take several minutes).

When connected to an HDMI-compatible device (DV-3022V/DV-3020V)

Picture is not displayed.
☞ Restore **HDMI Resolution** to the default setting (***720x480p/720x576p***) (section 4).
☞ With some cables, 1 080p video signals cannot be output.

Multichannel audio signals are not output.
☞ Set **HDMI Out** to ***Auto*** (section 4).

Control function does not work.
☞ Use a High Speed HDMI® cable.
☞ Set **Control** to ***On*** on the player (section 4).
☞ The control function does not work with devices of other brands. Even when connected to a Pioneer product compatible with the **Control** function, some of the functions may not work.

The message CEC200 appears.
☞ When the **Disc Navigator** is selected using the Flat Screen TV's remote controller and the player is turned off, the message **CEC200** will be displayed. This is not a malfunction.
Turn on the player to use the function.

The player turns on or off automatically.
☞ The player may turn on together with the TV connected to **HDMI OUT** terminal. If you do not want them to turn on at the same time, set **Control** to **Off** (section 4).

The input of the connected TV or AV system is switched to the player's automatically.
☞ The input of the TV and AV system (AV receiver or amplifier, etc.) connected to the **HDMI OUT** terminal may be automatically switched to the player when playback starts on the player or the menu screen (**HOME MENU**, etc.) is displayed. If you do not want the connected TV and AV system (AV receiver or amplifier, etc.) affected by the player's operation, set **Control** to **Off** (section 4).

7 Additional information

Setting the TV system

- If the picture of the disc being played is distorted, switch the TV system to the one used in your country or region.
- When the TV system is switched, the types of discs that can be played are limited.
- The factory default setting is **AUTO**.

While the player is in the standby mode...

Press ⏻ STANDBY/ON while pressing ►.
Use the buttons on the front panel.
The power turns on and the TV system switches as shown below.
- **AUTO→NTSC**
- **NTSC→PAL**
- **PAL→AUTO**

Types of discs/files	Format	Player setting		
		NTSC	PAL	AUTO
DVD-Video DVD VR Video CD DivX®	NTSC	NTSC	PAL	NTSC
	PAL	NTSC	PAL	PAL
CD(R/RW) WMA MP3 JPEG no disc	—	NTSC	PAL	NTSC or PAL

Cautions on use

When moving the player

When moving the player, check first that there is no disc loaded and that the disc tray is closed. Then press ⏻ **STANDBY/ON** on the player (or ⏻ **STANDBY/ON** on the remote control), wait for the **OFF** indicator on the front panel display to turn off, then unplug the power cord. Moving the player with a disc inside it could result in damage.

Place of installation

- Choose a stable place near the TV or stereo system being used with the player.
- Do not place the player on top of a TV or color monitor. Also install it away from cassette decks and other devices easily affected by magnetic forces.

Avoid the following types of places:
- Places exposed to direct sunlight
- Humid or poorly ventilated places
- Extremely hot places
- Places exposed to vibrations
- Places in which there is much dust or cigarette smoke
- Places exposed to soot, steam or heat (kitchens, etc.)

Do not place objects on the player.
Do not place any objects on top of the player.

Do not obstruct the ventilation holes.
Do not use the player on shaggy rugs, beds, sofas, etc., or wrapped in cloth, etc. Doing so will prevent the heat from dispersing, leading to damage.

Do not expose to heat.
Do not place the player on top of an amplifier or other component that generates heat. When placing it in a rack, to avoid the heat given off by the amplifier or other audio component, place it on a shelf below the amplifier.

Turn off the player's power when not using it.

Depending on signal conditions, striped patterns may appear on a TV screen and noise may enter the sound of radio broadcasts when the player's power is on. If this happens, turn the player's power off.

About condensation

If the player is moved suddenly from a cold place into a warm room (in winter, for example) or if the temperature in the room in which the player is installed rises suddenly due to a heater, etc.,