

ONKYO®

5.1 ch Home Theater System

HTC-V10X

HTE-V10X

PR-155X (AV controller)

✓ DV-S155X (DVD Player)

HTP-V10X

SWA-V10X (Subwoofer)

ST-V10X (Speakers)

Instruction Manual

Thank you for purchasing the Onkyo HTC-V10X DVD Player. Read this manual carefully before using your new DVD Player. A good understanding of its features and operation will allow you to achieve optimum performance and enjoyment.

Keep this manual for future reference.

Contents

Overview..... 2

Before Using the DV-S155X 8

Connections 13

Basic Operation 22

Advanced Operation..... 43

About Discs..... 74

Troubleshooting..... 79

Glossary 82

Specifications 84



WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

CAUTION:

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



WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN

AVIS
RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR



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.



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.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

PORTABLE CART WARNING



S3125A
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Damage Requiring Service

Unplug the apparatus from the wall outlet and refer servicing to qualified service personnel under the following conditions:

 - A. When the power-supply cord or plug is damaged,
 - B. If liquid has been spilled, or objects have fallen into the apparatus,
 - C. If the apparatus has been exposed to rain or water,
 - D. If the apparatus does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the apparatus to its normal operation,
 - E. If the apparatus has been dropped or damaged in any way, and
 - F. When the apparatus exhibits a distinct change in performance this indicates a need for service.
16. Object and Liquid Entry

Never push objects of any kind into the apparatus through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.

The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases shall be placed on the apparatus.

Don't put candles or other burning objects on top of this unit.
17. Batteries

Always consider the environmental issues and follow local regulations when disposing of batteries.
18. If you install the apparatus in a built-in installation, such as a bookcase or rack, ensure that there is adequate ventilation.

Leave 20 cm (8") of free space at the top and sides and 10 cm (4") at the rear. The rear edge of the shelf or board above the apparatus shall be set 10 cm (4") away from the rear panel or wall, creating a flue-like gap for warm air to escape.

Precautions

For British models

Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel.

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

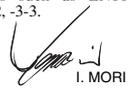
IMPORTANT

The plug is fitted with an appropriate fuse. If the fuse needs to be replaced, the replacement fuse must be approved by ASTA or BSI to BS1362 and have the same ampere rating as that indicated on the plug. Check for the ASTA mark or the BSI mark on the body of the fuse.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMPERE SOCKET.

If in any doubt, consult a qualified electrician.

For European Models

Declaration of Conformity	
We, ONKYO EUROPE ELECTRONICS GmbH LIEGNITZERSTRASSE 6, 82194 GROEBENZELL, GERMANY	
declare in own responsibility, that the ONKYO product described in this instruction manual is in compliance with the corresponding technical standards such as EN60065, EN55013, EN55020 and EN61000-3-2, -3-3.	
GROEBENZELL, GERMANY	 I. MORI
ONKYO EUROPE ELECTRONICS GmbH	

1. Region Numbers

The DVD standard uses region numbers to control how discs can be played around the world, the world being divided into six regions. This unit will only play DVD discs that match its region number, which can be found on its rear panel (e.g., ) .

2. About this Manual

This manual explains how to use all of this unit's functions. Although the DVD standard offers many special features, not all discs use them all, so depending on the disc being played, this unit may not respond to certain functions. See the disc's sleeve notes for supported features.

When you attempt to use a DVD feature that is not available, this logo may appear onscreen, indicating that the feature is not supported by the current disc or this unit. 

3. Recording Copyright

Unless it's for personal use only, recording copyrighted material is illegal without the permission of the copyright holder.

4. Power WARNING

BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY.

AC outlet voltages vary from country to country. Make sure that the voltage in your area meets the voltage requirements printed on this unit's rear panel (e.g., AC 230–240 V, 50 Hz).

Setting the [STANDBY/ON] switch to STANDBY does not fully shutdown the DV-S155X. If you do not intend to use the DV-S155X for an extended period, remove the power cord from the AC outlet.

5. Never Touch this Unit with Wet Hands

Never handle this unit or its power cord while your hands are wet or damp. If water or any other liquid gets inside this unit, have it checked by your Onkyo dealer.

6. Installing this Unit

- Install this unit in a well-ventilated location. Ensure that there's adequate ventilation all around this unit, especially if it's installed in an audio rack. If the ventilation is inadequate, the unit may overheat, leading to malfunction.
- Do not expose this unit to direct sunlight or heat sources, because its internal temperature may rise, shortening the life of the optical pickup.
- Avoid damp and dusty places, and places subject to vibrations from loudspeakers. Never put the unit on top of, or directly above a loudspeaker.



Precautions—Continued

- Install this unit horizontally. Never use it on its side or on a sloping surface, because it may cause a malfunction.
- If you install this unit near a TV, radio, or VCR, the picture and sound quality may be affected. If this occurs, move this unit away from the TV, radio, or VCR.

7. Care

Occasionally, you should dust this unit all over with a soft cloth. For stubborn stains, use a soft cloth dampened with a weak solution of mild detergent and water. Dry the unit immediately afterwards with a clean cloth. Do not use abrasive cloths, thinners, alcohol, or other chemical solvents, because they may damage the finish or remove the panel lettering.

8. Handling Notes

- If you need to transport this unit, use the original packaging to pack it how it was when you originally bought it.
- Do not use volatile liquids, such as insect sprays, near this unit. Do not leave rubber or plastic items on this unit for a long time, because they may leave marks on the case.
- This unit's top and rear panels may get warm after prolonged use. This is normal.
- When you've finished using this unit, remove all discs and turn off the power.
- If you do not use this unit for a long time, it may not work properly the next time you turn it on, so be sure to use it occasionally.

9. To Obtain a Clear Picture

This unit is a high-tech, precision device. If the lens on the optical pickup, or the disc drive mechanism becomes dirty or worn, the picture quality may be affected. To maintain the best picture quality, we recommend regular inspection and maintenance (cleaning or worn part replacement) every 1,000 hours of use depending on the operating environment. Contact your Onkyo dealer for details.

10. Moisture Condensation

Moisture condensation may damage this unit.

Read the following carefully:

When you take a glass containing a cold drink outside on a summer's day, drops of water, called condensation, form on the outside of the glass.

Similarly, moisture may condense on the lens of the optical pickup, one of the most important parts inside this unit.

- Moisture condensation can occur in the following situations:
 - The unit is moved from a cold place to a warm place.
 - A heater is turned on, or cold air from an air conditioner is hitting the unit.
 - In the summer, when this unit is moved from an air conditioned room to a hot and humid place.
 - The unit is used in a humid place.
- Do not use this unit when there's the possibility of moisture condensation occurring. Doing so may damage your discs and certain parts inside this unit.

If condensation does occur, remove all discs and leave this unit turned on for two to three hours. By this time, the unit will have warmed up and any condensation will have evaporated. To reduce the risk of condensation, keep this unit connected to a wall outlet.

This unit contains a semiconductor laser system and is classified as a "CLASS 1 LASER PRODUCT". So, to use this model properly, read this Instruction Manual carefully. In case of any trouble, please contact the store where you purchased the unit.

To prevent being exposed to the laser beam, do not try to open the enclosure.

DANGER:

VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. DO NOT STARE INTO BEAM.

CAUTION:

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

The label on the right is applied on the rear panel.



1. This unit is a CLASS 1 LASER PRODUCT and employs a laser inside the cabinet.
2. To prevent the laser from being exposed, do not remove the cover. Refer servicing to qualified personnel.



Features

- Plays DVD video, DVD-R/DVD-RW (video mode), music CD/CD-R/CD-RW, video CD, MP3 CD, WMA^{*1}, and JPEG
- Component video output jacks for high-quality playback images
- Progressive scan is supported for smoother video playback (NTSC only)
- Program playback lets you store up to 32 steps
- Resume function lets you continue playback from where you stopped, and Last Memory function lets you play back the rest of a previously-viewed disc
- DLA Link (Digital Rec Level Adjustment) function automatically sets the recording level when recording from CD to MD
- Dolby^{*2} Digital/DTS^{*3}/PCM digital audio output jack
- Two digital output jacks that can be individually set to different digital output formats

*1 Windows Media, and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.

*2 Manufactured under license from Dolby Laboratories.
“Dolby”, “Pro Logic” and the double-D symbol are trademarks of Dolby Laboratories.

*3 “DTS” and “DTS Digital Out” are trademarks of Digital Theater Systems, Inc.



In catalogs and on packaging, the letter added to the end of the product name indicates the color of the DV-S155X. Specifications and operation are the same regardless of color.



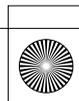
Table of Contents

Important Safety Instructions	2
Precautions	3
Features	5
Table of Contents	6
Index to Parts and Controls	8
Front panel	8
Display section	9
Rear panel	10
Remote control (RC-522DV)	11
Preparing the Remote Controller	12
Inserting the batteries	12
Using the remote controller	12
Connections	13
Before Making Any Connections	13
AV Cables & Sockets	14
Connecting your television	15
Connecting your amp	17
Connecting the RI cable	18
Connecting to the Onkyo Separate Collection Series components	19
System functions	19
Connections and settings when using with the PR-155X	20
Connecting the power cord	21
Turning on the power	21
Initial DVD setup	22
DVD playback (Basic playback)	24
Playing a DVD	24
Selecting audio, subtitles, and angles	27
Finding the location you want to watch or hear	29
Audio formats and sound effects	31
Playing a CD or video CD (Basic playback)	32
Playing a CD or video CD	32
Switching the audio	35
Searching for a location	36
Playing MP3, WMA, and JPEG (Basic playback)	38
Playing MP3 or WMA	38
Selecting a track	40
Playing a JPEG CD	41



About the included items

The Amplifier and Speaker Section of this Instruction Manual contains a complete list of the included items. Please refer to this list and make sure that no items are missing.



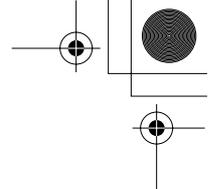
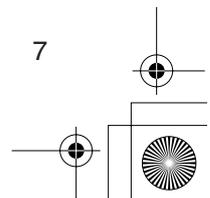
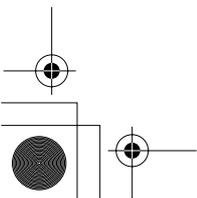
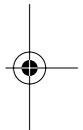
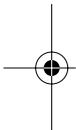
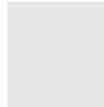


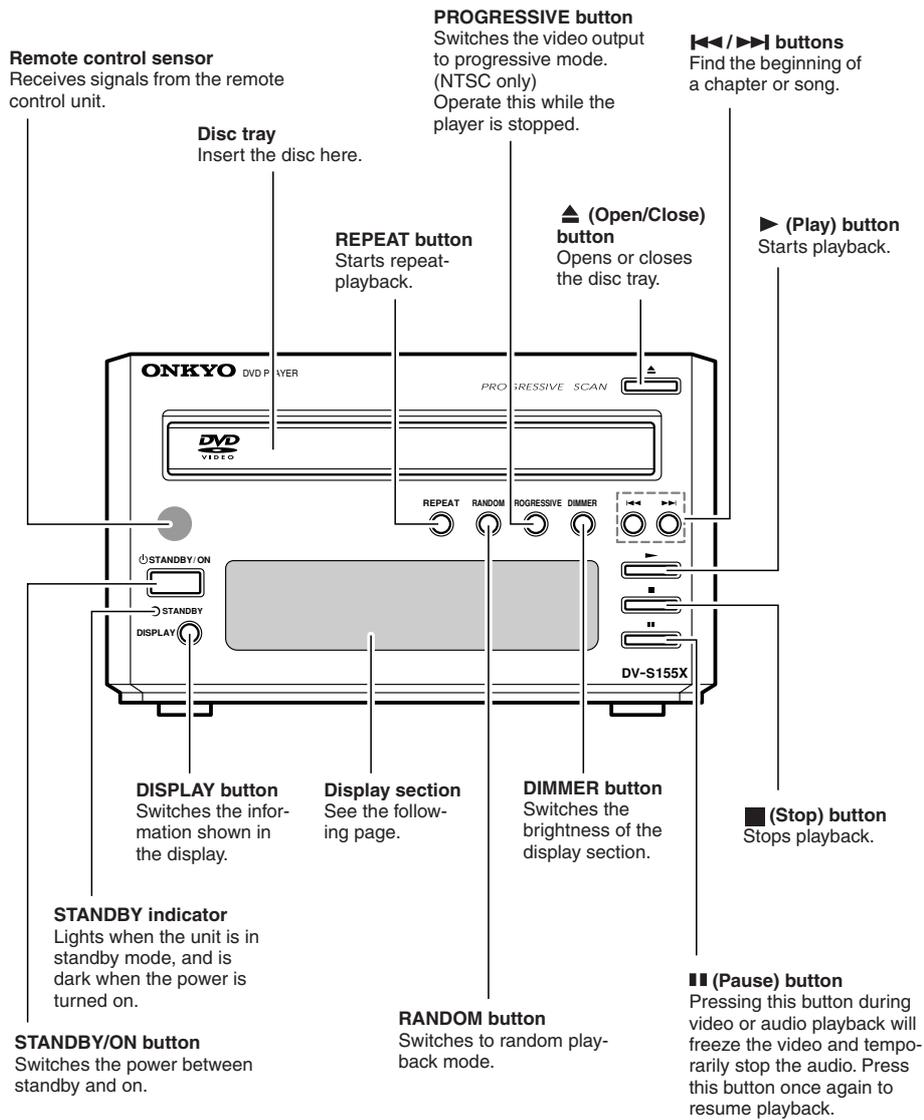
Table of Contents—Continued

Advanced DVD playback	43
Memory playback.....	43
Random playback.....	45
Repeat playback.....	46
Repeatedly playing a selected segment (A-B Repeat Playback).....	47
Last Memory.....	48
Zoom	49
Advanced CD or video CD playback	50
Memory playback.....	50
Random playback.....	52
Repeat playback.....	53
Repeatedly playing a selected segment (A-B Repeat Playback).....	54
Last Memory.....	55
Zoom	56
Advanced MP3, WMA, or JPEG playback	57
Memory playback.....	57
Random playback.....	58
Repeat playback.....	59
Viewing disc information.....	60
Advanced setup.....	61
About Discs	74
Playable discs.....	74
Non-playable discs.....	74
DVD control limitations.....	75
About video CDs.....	75
DVD-R/DVD-RW playback.....	75
Regarding CD-R/CD-RW playback.....	76
Regarding MP3/WMA/JPEG playback.....	76
Regarding MP3 playback.....	76
Regarding WMA playback.....	76
Regarding JPEG playback.....	76
Differences in disc composition.....	77
Handling discs.....	78
Cleaning discs.....	78
Storing discs.....	78
Copyrights.....	78
A note regarding condensation.....	78
Troubleshooting	79
Glossary	82
Specifications	84



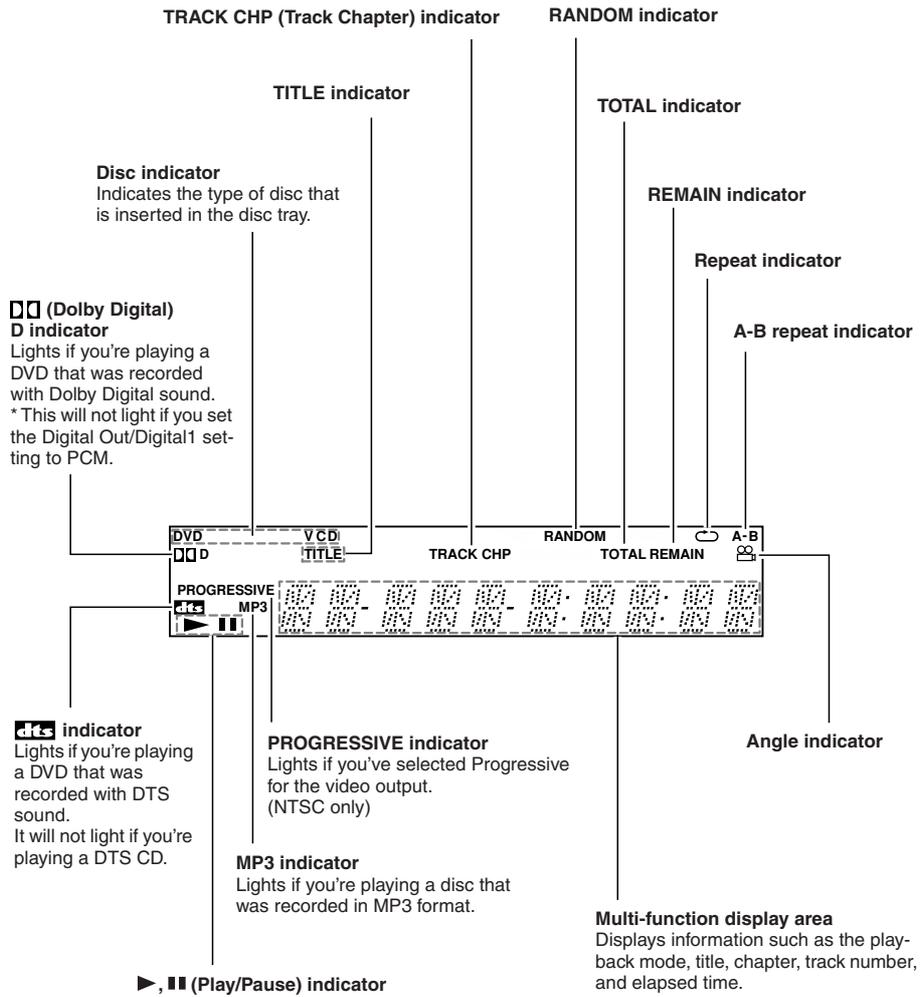
Index to Parts and Controls

Front panel



Index to Parts and Controls—Continued

Display section

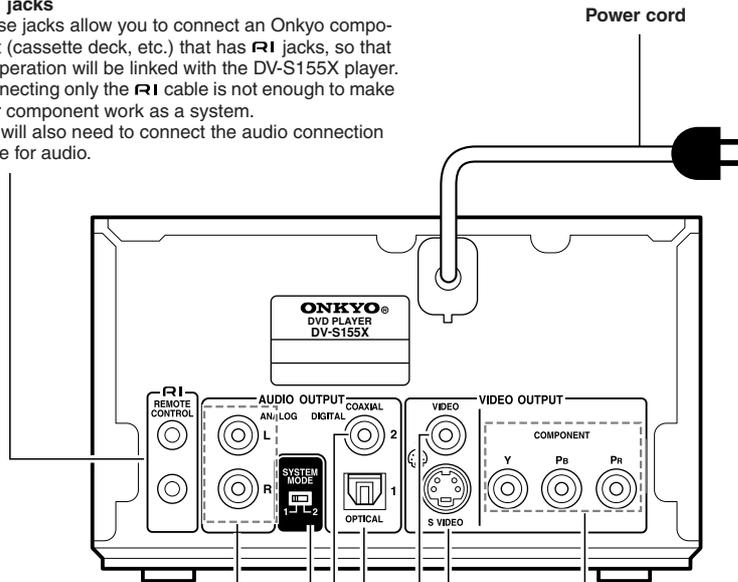


Index to Parts and Controls—Continued

Rear panel

RI jacks

These jacks allow you to connect an Onkyo component (cassette deck, etc.) that has **RI** jacks, so that its operation will be linked with the DV-S155X player. Connecting only the **RI** cable is not enough to make your component work as a system. You will also need to connect the audio connection cable for audio.



AUDIO OUTPUT (ANALOG) jacks

These jacks output analog audio. Use the included audio connection cable to connect these jacks to your amp or television.

SYSTEM MODE switch
(see page 20)

AUDIO OUTPUT (DIGITAL COAXIAL) jack

This is a coaxial digital output jack. Use the coaxial digital audio cable to connect this jack to your amp or CD recorder etc. if it has a digital input jack.

AUDIO OUTPUT (DIGITAL OPTICAL) jack

This is an optical digital output jack. Use the included optical digital audio cable to connect this jack to your PR-155X.

Power cord

COMPONENT VIDEO OUTPUT jacks

These jacks output the video signal. If your television has component video input jacks, use commercially-available component video connection cables to connect these jacks to your television.

S VIDEO OUTPUT jack

This connector outputs the video signal. If your television has an S-video jack, use the included S-video connection cable to connect this jack to your television.

VIDEO OUTPUT jack

This connector outputs the video signal. Use the included composite video connection cable to connect this jack to your television.

Index to Parts and Controls—Continued

Remote control (RC-522DV)

STANDBY button
Turns the power to standby mode.

ON button
Turns the power on.

SEARCH button
Lets you find a desired location on the DVD, video CD, or CD.

LAST MEMORY button
Memorizes the playback location from which you can resume playing the next time you insert a DVD or video CD.

Number buttons
Use these to specify scenes, audio options, subtitles, items, or passwords.

TOP MENU button
Displays the DVD's top menu screen.

▲/▼/◀/▶/ENTER buttons
Use these to move the cursor up/down/left/right. Press the center button to confirm your selection.

RETURN button
Returns to the previous item in the setting screen.

AUDIO button
Switches the DVD language or the video CD audio.

ANGLE button
Switches the DVD angle.

PROGRESSIVE button
Switches the video output to progressive mode. (NTSC only)
Operate this button when the DVD player is stopped.

■ (Stop) button: Stops playback.
▶ (Play) button: Starts playback.
■ (Pause) button: Pauses playback.

◀◀/▶▶ buttons:
Search forward or backward through scenes or songs.
Zoom (magnify) JPEG images.

OPEN/CLOSE button
Opens/closes the disc tray.

MEMORY button
Stores favorite songs or scenes for playback in the order you want.

DIMMER button
Starts the brightness of the display section.

REPEAT button
Starts repeat playback.

A-B button
Starts A-B repeat playback on a DVD, video CD, or CD.

RANDOM button
Selects random playback mode.

DISPLAY button
Switches the displayed information.

CLEAR button
Cancels a choice you made.

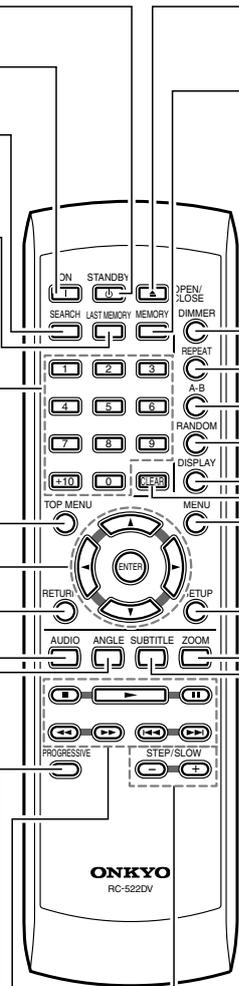
MENU button
Displays the menu screen.
Displays the JPEG thumbnail or MP3 navigation screen.

SETUP button
Displays the setup screen.

ZOOM button
Zooms (magnifies) the DVD or video CD screen.

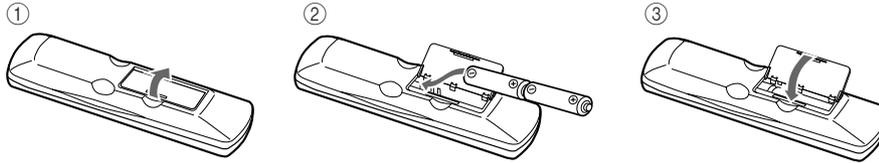
SUBTITLE button
Switches a DVD's subtitle language.

STEP/SLOW +/- buttons
Control frame-by-frame or slow motion playback for a DVD or video CD.



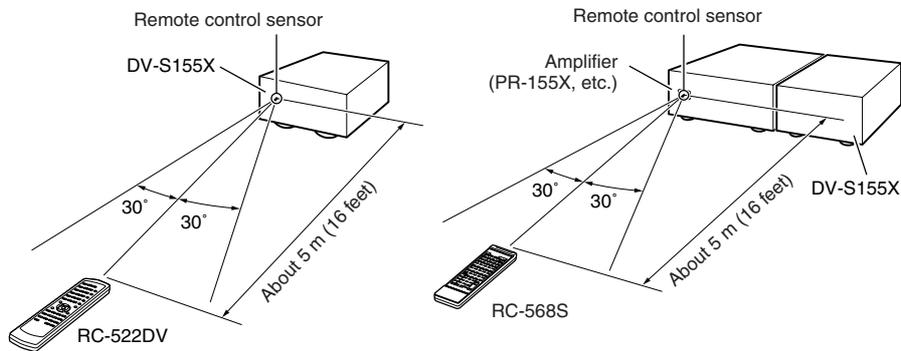
Preparing the Remote Controller

Inserting the batteries



- ① **Detach the battery cover.**
 - ② **Insert two size-AA/R6 batteries.**
Be sure to match the + and – ends of the batteries with to diagram inside the battery compartment.
 - ③ **Attach the battery cover.**
- Do not mix new batteries with old batteries or different kinds of batteries.
 - To avoid corrosion, remove the batteries if you do not intend to use the remote controller for a long time.
 - Remove dead batteries immediately to avoid damage from corrosion. If the remote controller does not operate smoothly, replace both batteries at the same time.
 - The batteries should last for about six months, although this will vary with usage.

Using the remote controller



- Point the remote controller toward the remote control sensor.
- Place the unit away from strong light, such as direct sunlight or inverted fluorescent light, which can prevent proper operation of the remote controller.
 - Using another remote controller of the same type in the same room or using the unit near equipment that uses infrared rays may cause operational interference.
 - Do not put any object (such as a book) on the remote controller. The buttons of the remote controller may be pressed by mistake, which drains the batteries.
 - Make sure the audio rack doors do not have colored glass. Placing the unit behind such doors may prevent proper remote controller operation.
 - If there is an obstacle between the remote controller and the remote control sensor, the remote controller will not operate.

Connections

Before Making Any Connections

- Read the manuals supplied with your AV components.
- Don't connect the power cord until you've completed and double-checked all audio and video connections.

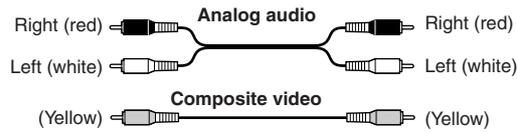
Optical Digital Inputs

The DV-S155X's optical digital inputs have shutter-type covers that open when an optical plug is inserted and close when it's removed. Push plugs in all the way.

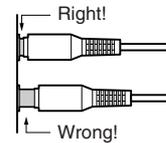
Caution: To prevent shutter damage, hold the optical plug straight when inserting and removing.

RCA AV Connection Color Coding

RCA-type AV connections are usually color coded: red, white, and yellow. Use red plugs to connect right-channel audio inputs and outputs (typically labeled "R"). Use white plugs to connect left-channel audio inputs and outputs (typically labeled "L"). And use yellow plugs to connect composite video inputs and outputs.



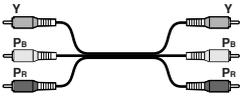
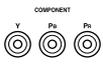
- Push plugs in all the way to make good connections (loose connections can cause noise or malfunctions).
- To prevent interference, keep audio and video connection cables away from power cords and speaker cables.



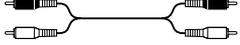
Connections—Continued

AV Cables & Sockets

Video

	Cable	Socket	Description
Component video connection cable			Component video separates the luminance (Y) and color difference signals (Pr, Pb), providing the best picture quality. (Some TV manufacturers label their component video sockets slightly differently.)
S-video connection cable			S-Video separates the luminance and color signals and provides better picture quality than composite video.
Composite video connection cable			Composite video is commonly used on TVs, VCRs, and other video equipment. Use only dedicated composite video connection cables.

Audio

	Cable	Socket	Description
Optical cable			Offers the best sound quality and allows you to enjoy surround sound (e.g., Dolby Digital, DTS). The audio quality is the same as for coaxial.
Coaxial cable			Offers the best sound quality and allows you to enjoy surround sound (e.g., Dolby Digital, DTS). The audio quality is the same as for optical.
Audio connection cable			This cable carries analog audio. It's the most common connection format for analog audio, and can be found on virtually all AV components.

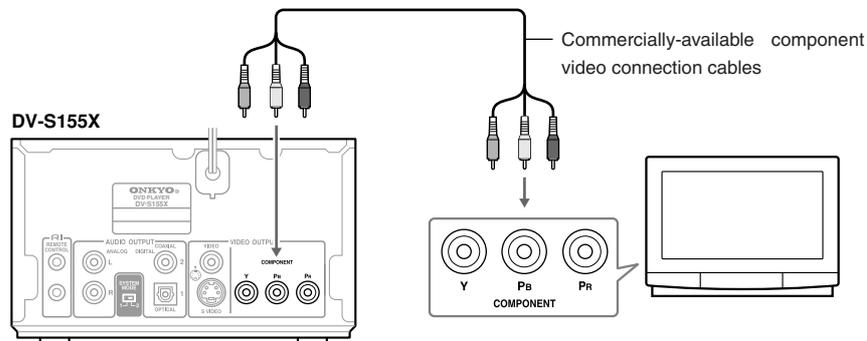
Connections—Continued

Connecting your television

Here's how to connect the DV-S155X to your television so you can view DVD and other images. The connection method depends on the type of connector you use. Depending on the connectors that your television has, connect either the component jacks, the S-video jack, or the composite jack.

■ If your television has component video input jacks

Use commercially-available component video connection cables to connect the DV-S155X's component video output jacks to the component video inputs of your television.



To switch the video output type

If your television supports progressive-scan video, you can use the PROGRESSIVE button on the DV-S155X or on the remote to switch the video output type. Do this while playback is stopped.

Progressive (NTSC only):

This is the higher-quality mode that produces a sharper image. Choose this if you've connected a television that supports progressive input. The "PROGRESSIVE" indicator in the display area will light.

Interlaced (default setting):

Choose this if you've connected a television that does not support progressive video input.

Note

- If you choose Progressive when the DV-S155X is connected to a television that doesn't support progressive input, the image will not be output correctly. Press the remote's PROGRESSIVE button to turn off progressive mode.
- The image may be garbled when you switch between progressive and interlaced modes.

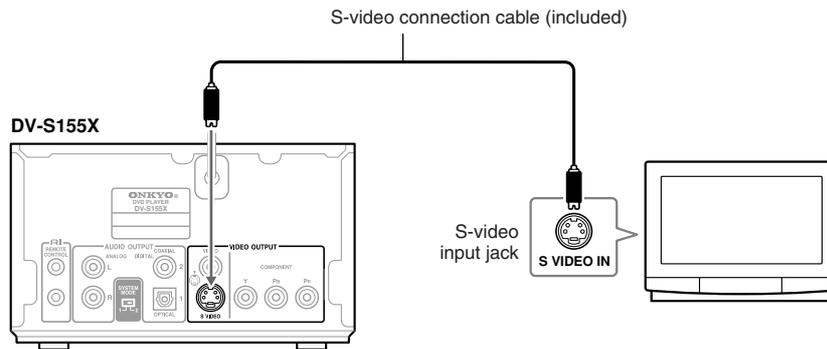
Regarding the DV-S155X's compatibility with progressive-scan televisions

At present, some progressive-scan televisions are not completely compatible with the DV-S155X, and can produce garbled images. If you experience problems when using progressive playback, turn off progressive mode on the DV-S155X and use the progressive function provided on your television.

Connections—Continued

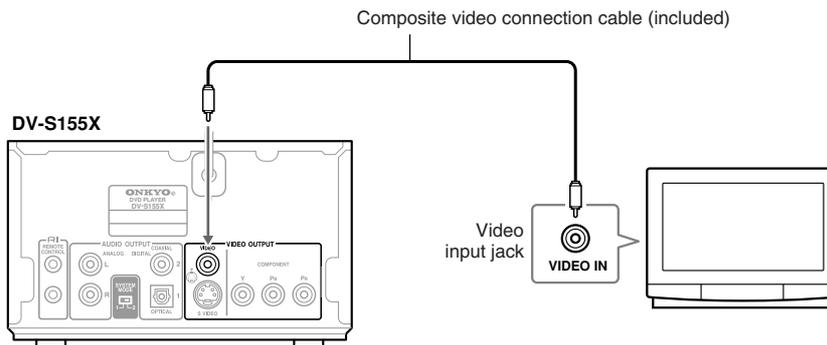
■ If your television has an S-video jack

Connect the included S-video connection cable to the S-video jack.



■ If your television has neither component jacks nor a S-video jack

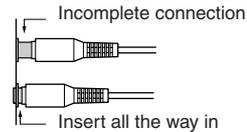
Connect the included yellow composite video connection cable to the video jack.



Connections—Continued

Connecting your amp

- Refer to the Instruction Manual of your amp as well as the instructions given here.
- Before you make connections, turn off the power of all the equipment you're going to connect, and disconnect all power cords from electrical outlets. Don't plug in the DV-S155X's power cord yet.
- When making connections, make sure that the plug is inserted all the way into the jack.



Note

Since the DV-S155X contains components that are vulnerable to heat, don't place it on top of an amp or other source of heat. Doing so can cause malfunctions.

- ① Connect an amp that supports Dolby Digital or DTS, such as the PR-155X. This allows you to enjoy Dolby Digital or DTS audio.
- ② Connect the audio inputs of your television.

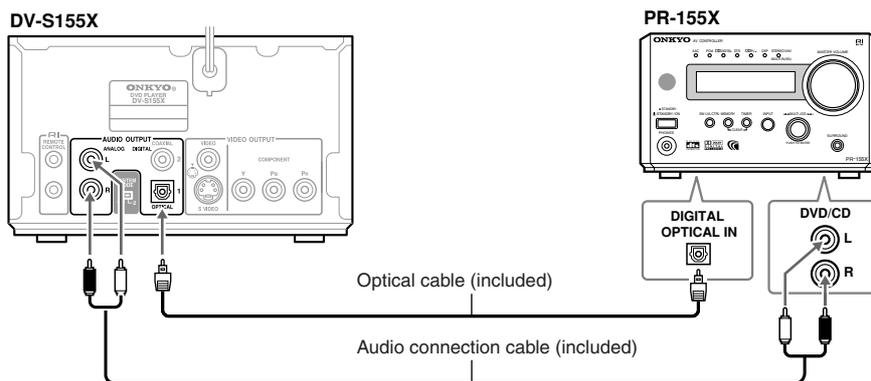
■ Connecting the PR-155X

Use an optical cable to connect the DV-S155X's AUDIO OUTPUT DIGITAL OPTICAL jack to the optical digital input jack of your amp.

Use the included audio connection cable to connect the DV-S155X's AUDIO OUTPUT ANALOG jacks to the audio input jacks of your amp.

Tip

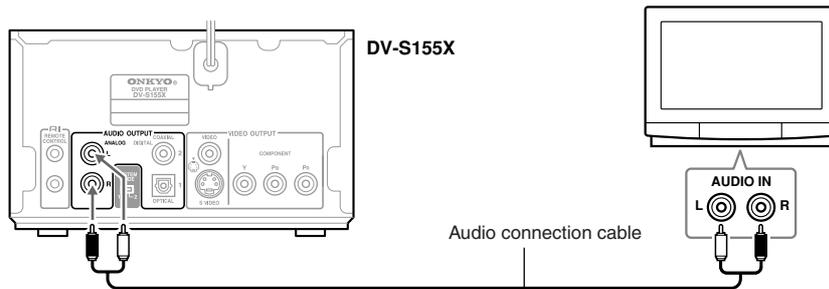
You can enjoy 5.1 ch playback with DVD video simply by connecting the digital jack. However you will need to make the analog connections as well if you want to perform analog recording from the DV-S155X onto an MD recorder or other device connected to the amp, or in order to enable system operation with an Onkyo-manufactured amp.



Connections—Continued

■ Connecting to the audio inputs of your television

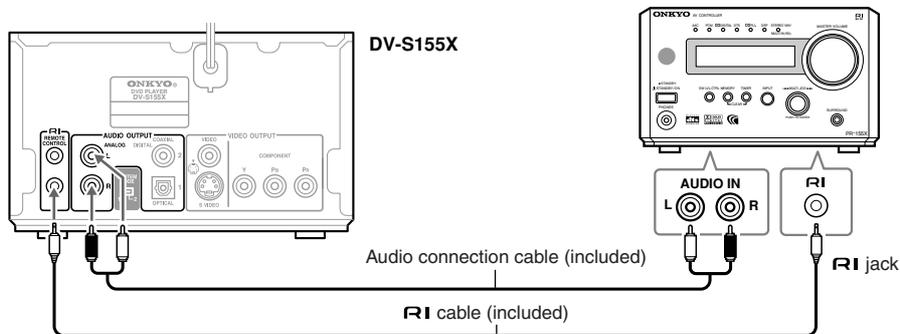
The audio will be heard from the built-in speakers of your television.



Connecting the **RI** cable

If you use the included **RI** cable to connect the DV-S155X to an Onkyo-manufactured amp or tuner amp that has an **RI** connector, you will be able to use the tuner amp's remote to control the DV-S155X.

- For details on the **RI** system functions that are available, refer to the Instruction Manual for your device.
- If your device has two **RI** jacks, both have the identical function. You may connect the cable to either jack.
- **Simply connecting the **RI** jacks is not enough to make your component operate as a system. You must also connect the audio connection cable correctly.**



Connecting to the Onkyo Separate Collection Series components

System functions

If you're using the DV-S155X together with a PR-155X or an Onkyo separate collection series, connecting the **RI** cable and audio connection cable will allow you to perform the following **RI** system functions. **RI** cables allow Onkyo products to operate as a system.

To make system connections



Refer to the DV-S155X Instruction Manual.

Auto power-on

When you turn on the power of the DV-S155X or begin playback, the PR-155X's power will automatically turn on. If you don't want to use the DV-S155X, you can turn off just the DV-S155X.

Direct change

When you press the DV-S155X's ► (Play) button, the PR-155X's input will automatically switch to DVD.

Remote control operation

The PR-155X's remote can control the DV-S155X.



Refer to the PR-155X Instruction Manual for details.

Timer operation

You can use timer playback (CDs only).

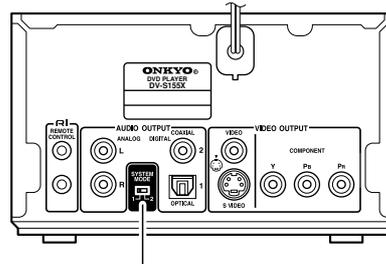


Refer to the PR-155X Instruction Manual for details.

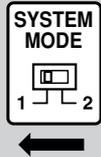
- These functions will not work unless connections are correct. You must connect the audio connection cable and **RI** cables correctly.
- For more about system functions, please also refer to the Instruction Manuals for your other component.

Connecting to the Onkyo Separate Collection Series components—Continued

Connections and settings when using with the PR-155X



SYSTEM MODE switch

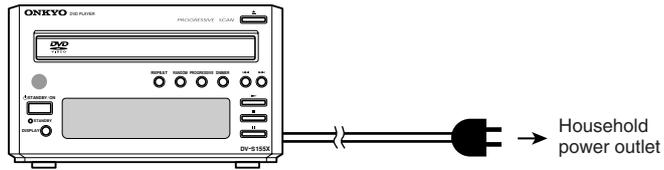
- | | |
|----------|--|
| 1 | <p>Make system connections between the DV-S155X and the PR-155X</p> <p>Make sure that the DV-S155X's AUDIO OUTPUT ANALOG jacks are connected to the PR-155X's DVD/CD jacks, and that the RI jacks are connected (see pages 17, 18).</p> |
| 2 | <div style="display: flex; align-items: center;">  </div> <p>Make sure that the DV-S155X's SYSTEM MODE switch is set to "1"</p> <p>This is set to "1" when you purchased the unit.</p> |
| 3 | <p>Set the PR-155X's input display name to "DVD."</p> <p>For details on how to switch the input display name, refer to the PR-155X's Instruction Manual.</p> |

Connections—Continued

Connecting the power cord

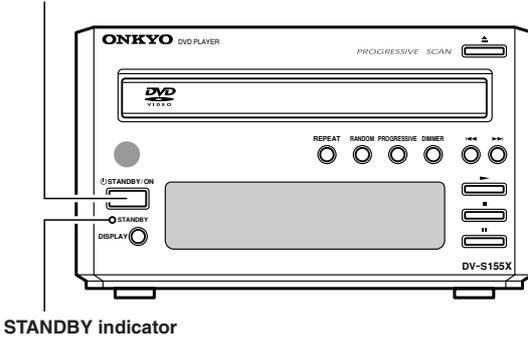
Make sure that you've completed all connections. When you connect the power cord, the DV-S155X will enter standby mode, and the STANDBY indicator will light.

Example:

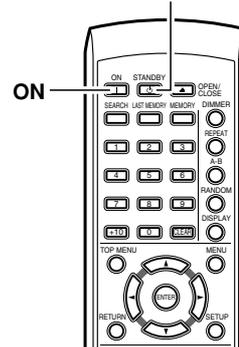


Turning on the power

STANDBY/ON



STANDBY



The DV-S155X

STANDBY/ON



or

Remote control

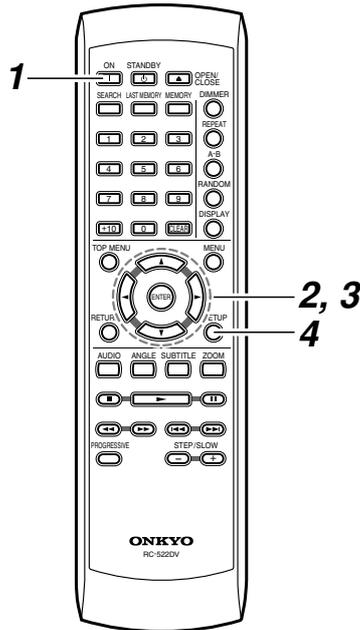


Press the DV-S155X's STANDBY/ON button or the remote control's ON button

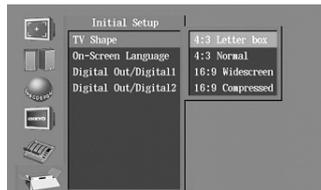
To turn the power off, press the DV-S155X's STANDBY/ON button or the remote control's STANDBY button.

Initial DVD setup

You'll use your television screen to make basic DVD settings. (You can't do this during playback.) Turn on the power of your television, and switch it to the input to which you've connected the DV-S155X. When you power-on the DV-S155X, the setup screen will appear.



1 Press the ON button to turn on the power.
The Initial Setup screen appears on your television.

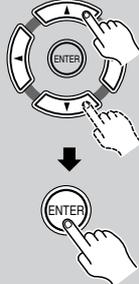


If it doesn't appear, press the SETUP button.
Use the ▲/▼ buttons to select Initial Setup () and press the ENTER button.

→ Continues to next page

Initial DVD setup—Continued

2



Select the shape of the connected television

Use the ▲/▼ buttons to select the shape of your television, and press the ENTER button.

4:3 Letter box

Choose this if you've connected a television with a 4 to 3 width-to-height ratio (standard size) television. Wide-screen images will have a black bar displayed at the top and bottom.

4:3 Normal

Choose this if you've connected a television with a 4 to 3 width-to-height ratio (standard size) television. The image is displayed using the full area of the screen, and the left and right edges of the image are cut off. If the DVD you're watching does not support this method, it will be shown in Letterbox format.

16:9 Widescreen

Choose this if you've connected a television with a 16 to 9 width-to-height ratio (widescreen).

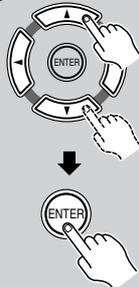
16:9 Compressed

Choose this if you've connected a television with a 16 to 9 width-to-height ratio (widescreen) but video recorded in 4:3 format is "stretched" horizontally (to a 16:9 ratio) and you're unable to select a 4:3 ratio on your television. Video recorded in 4:3 format will be output as 4:3.

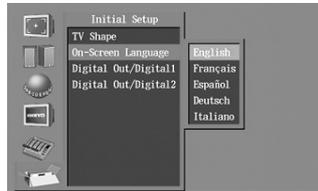
Tip

These settings may not work for some discs. For details refer to the package of the disc you are watching.

3



Select the On-Screen Language



Use the ▲/▼ buttons to select the language that you want to view on screen, and press the ENTER button.

English: The on-screen display appears in English. (Default setting)

Français: The on-screen display appears in French.

Español: The on-screen display appears in Spanish.

Deutsch: The on-screen display appears in German.

Italiano: The on-screen display appears in Italian.

Note

When the DV-S155X is connected to the PR-155X, you don't need to set the Digital Out settings. See page 66 for more information.

4



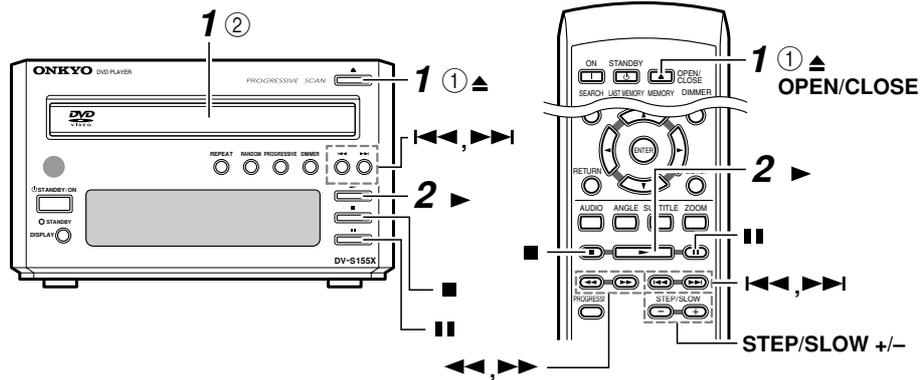
Exit the Initial Setup screen

If the Initial Setup screen does not disappear on its own, press the SETUP button.

DVD playback (Basic playback)

Playing a DVD

To watch DVD video, turn on the power of your television, and switch the input select setting of your television to the input that the DV-S155X is connected to.



1



Loading the DVD

- ① Press the ▲ (Open/Close) button to open the tray
- ② Place the DVD on the tray
Place the disc on the tray with the label facing upward.

Tip

When in Standby mode, pressing the DVD's ▲ button will automatically turn on the power.

2



Press the ► (Play) button

The tray will close, the player will read the disc, and then playback will begin.

- The display shows the type of disc you inserted. It may take some time for the disc to be read.

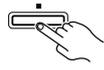


To remove the DVD

Press the ▲ button.

DVD playback (Basic playback)—Continued

Stopping playback

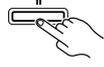


Press the ■ button.
This activates the “Resume” function.

When you press the ► button, playback will resume from the point where the disc stopped.

If you press the ■ button once again, the disc will stop. (The Resume function will be cleared.)

Pausing playback



An ■■ indicator appears in the display area. Press the button once again to resume playback from where the disc was paused.

Skipping to a chapter

To advance to a chapter



During playback, press the ►► button on the player or remote

To return to a chapter



During playback, press the ◀◀ button on the player or remote

Searching forward/backward

To search forward



During playback, press the ►► button on the remote. You can press the button repeatedly to cycle through five different speeds.

To search backward



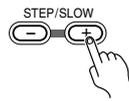
During playback, press the ◀◀ button on the remote. You can press the button repeatedly to cycle through five different speeds.

To resume normal playback



Press the ► button

Frame advance playback



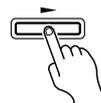
While paused, press the STEP/SLOW+ button on the remote. The picture will advance one frame each time you press the button.

Frame advance backward playback



While paused, press the STEP/SLOW- button on the remote. The picture will move backward one frame each time you press the button.

To resume normal playback



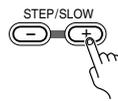
Press the ► button.

Tip

- No sound will be heard during frame advance playback.
- For some discs, frame advance playback may cause the picture to be unstable.
- If the still image is jittery, you can adjust the image in the setup screen (see page 72).

Slow motion playback

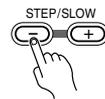
During playback, press the STEP/SLOW+ button on the remote



The screen will indicate “Slow 1” and the video will play in slow motion.

You can press the button repeatedly to cycle through four different slow-motion speeds.

To play backward in slow motion



During playback, press the STEP/SLOW- button.

You can press the button repeatedly to cycle through four different slow-motion speeds.

To resume normal playback



Press the ► button.

Tip
No sound will be heard during slow motion playback.

DVD playback (Basic playback)—Continued

About the disc menu

Many DVDs provide a menu that lets you choose the language of the soundtrack or subtitles, to select titles or chapters, or to view special disc features. The way in which to operate the menu will depend on the disc, so please refer to the operation guide included with the disc.

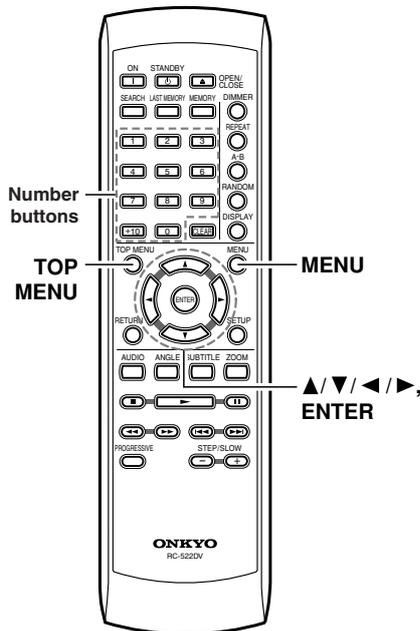
To access the menu

Press the MENU button or the TOP MENU button.

Some discs may not provide a menu.

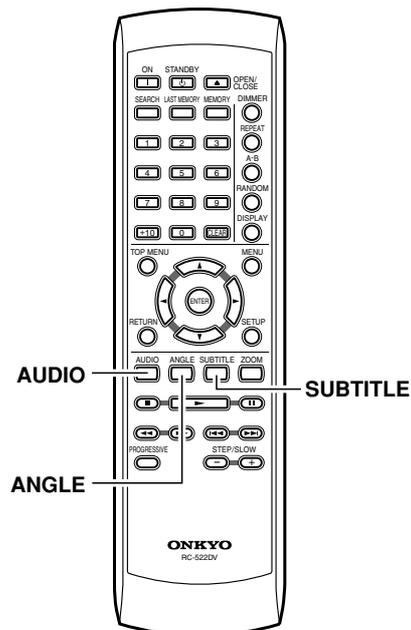
If the menu appears on your television screen when you play a DVD

Use the ▲/▼/◀/▶ buttons or the number buttons to choose the desired language, audio format, title, or chapter, and press the ENTER button to confirm your choice.



DVD playback (Basic playback)—Continued

Selecting audio, subtitles, and angles



Switching the audio during playback

If the DVD contains soundtracks in more than one language, you can switch the soundtrack.



During playback, press the **AUDIO** button

The current audio selection is displayed. The audio selection will switch each time you press the button.

Tip

- The audio selection you choose here will revert to the original setting when you defeat the Resume function (see page 33).
- On some discs, switching the audio selection during playback will cause the video to freeze for a moment.
- To hear only the accompaniment on a karaoke DVD, choose the appropriate audio selection as listed on the disc package.
- Some DVDs do not allow you to use the remote AUDIO button to switch the audio selection during playback. If so, use the disc menu screen to make the desired selection (see page 26).

DVD playback (Basic playback)—Continued

Switching the subtitles during playback

If the DVD contains subtitles in more than one language, you can switch the subtitle language.

SUBTITLE



During playback, press the SUBTITLE button

The currently selected subtitle language is shown. Press the button repeatedly to switch the subtitle selection.

To hide the subtitles

Press the SUBTITLE button repeatedly to choose “no subtitles.”

Tip

- The subtitle setting you choose here will revert to the original setting when you defeat the Resume function (see page 33).
- Some DVDs do not allow you to use the remote SUBTITLE button to switch the subtitles during playback. If so, use the disc menu screen to make the desired selection.

Switching the camera angle

Some DVD contain multiple angles (perspectives) of the same scene, and allow you to switch angles during playback. Such DVDs carry a  logo on their packaging.

ANGLE



When the icon appears, press the ANGLE button

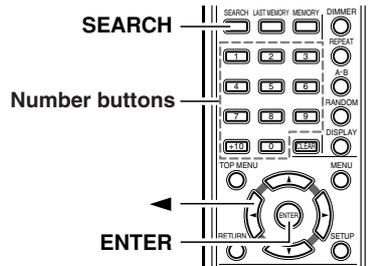
When you come to a point where multiple angles have been recorded, the  icon appears in the display section of the player. The angle will switch each time you press the button.

Tip

- On some discs, you may be unable to switch the angle even though the  logo is displayed.
- On some discs you can use the disc menu screen to switch angles.
- Some discs prohibit you from switching angles while paused.

DVD playback (Basic playback)—Continued

Finding the location you want to watch or hear



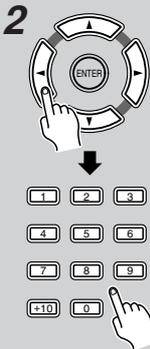
Selecting a title/chapter for playback

Here's how to play a specific title/chapter on the DVD.



1 During playback, press the **SEARCH** button

The Disc Navigator screen appears.



2 Choose the desired title/chapter or track

To select a title on the DVD, press the ◀ button and use the number buttons to specify a number

Examples:

- To specify 3, press "3".
- To specify 10, press "1" and then "0".
- To specify 37, press "3" and then "7".

If you decide to cancel, press the CLEAR button.



3 Press the **ENTER** button

Playback will begin.

Tip

- You can also use the number buttons to select a chapter or track directly, without displaying the Disc Navigator screen. (To select 10, press "+10" and the "0".)
- If the DVD has only one title or chapter, you can't select the title or chapter.
- On some DVDs you can select titles and chapters from a menu on the DVD.
- Some DVDs may allow you to select only titles, or may not allow you to select titles.

Note

You can't select titles/chapters while using Random Playback.

DVD playback (Basic playback)—Continued

Selecting a specific time location for playback

Here's how to specify a time from which playback will start (the Time Search function).

1



During playback, press the SEARCH button twice

The Disc Navigator screen appears.



2



Use the numeric keys to specify the time location you want to play

Examples:

- To specify 21 minutes 43 seconds, press “2,” “1,” “4,” and “3”.
- To specify one hour 14 minutes (= 74 minutes 00 seconds), press “7,” “4,” “0,” “0”.

3



Press the ENTER button

Playback will begin.

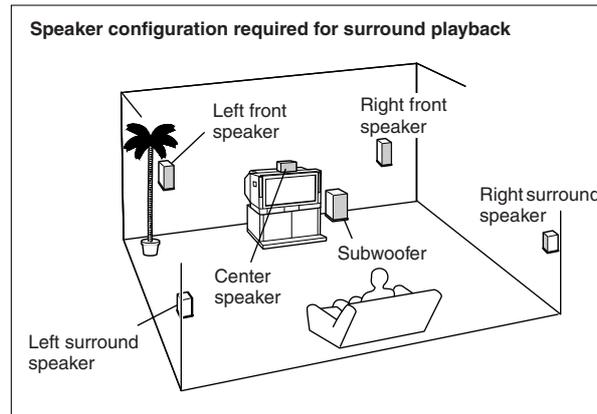
Tip

- On some discs you can search from the menu. Access the menu screen and choose the desired location.
- On some discs, playback may begin from a location that is slightly different than the time you specified.
- Some DVDs disable the search function.
- You can't use the Time Search function while using Random Playback.
- This function specifies the time within the title.

DVD playback (Basic playback)—Continued

Audio formats and sound effects

5.1 channel digital surround formats such as DTS and Dolby Digital store five channels and a low-frequency effects channel, and play each of these channels back independently to replicate the auditory experience of a movie theater or concert hall.



Dolby Digital

DVD video titles bearing the  logo are encoded in this format.

DTS

DVD video titles and music CDs bearing the  logo are encoded in this format.

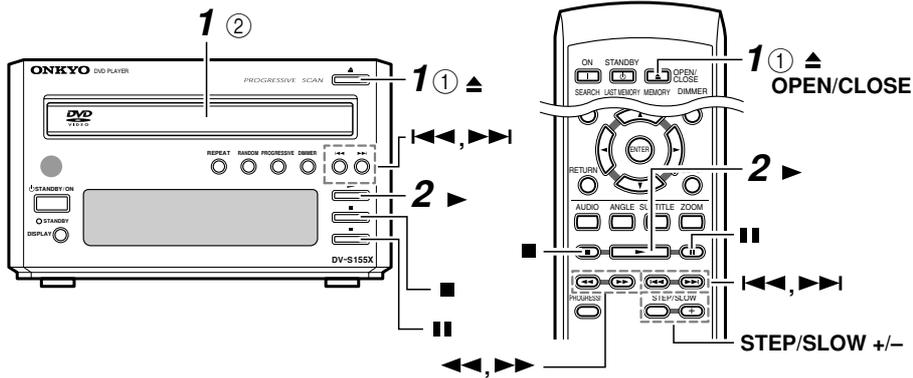
Dolby Pro Logic

DVD video titles bearing the  logo are encoded in this format.

Playing a CD or video CD (Basic playback)

Playing a CD or video CD

To watch a video CD, turn on your television and switch it to the input to which you connected the DV-S155X.



1



Loading a disc

- ① Press the ▲ (Open/Close) button to open the tray
- ② Place the disc on the tray
Place the disc on the tray with the label facing upward.
If you're playing a CD single, place it in the center depression of the tray.

Tip

In standby mode, pressing the ▲ button automatically turns the power on.

2



Press the ► (Play) button

The tray will close, the disc will be read, and playback will begin.

- The display area shows the type of disc you inserted. It may take some time for the player to read the disc.

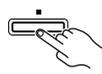


To remove the disc

Press the ▲ button.

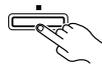
Playing a CD or video CD (Basic playback)—Continued

Stopping playback



Press the  (Stop) button

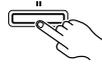
Stopping playback



Press the  button

The “Resume” function will activate. When you press the  (Play) button, playback will resume from the point where the disc stopped. If you press the  button once again, the disc will stop. (The Resume function will be cleared.)

Pausing playback



Press the  (Pause) button. An  indicator appears in the display area. Press the button

once again to resume playback from where the disc was paused.

Skipping to a track

To advance to a track



During playback, press the  button on the player or remote.

To return to a track



During playback, press the  button on the player or remote.

Searching forward/backward

To search forward



During playback, press the  button on the remote. You can press the button repeatedly to cycle through three different forward-search speeds. (The setting is shown on the television screen.)

To search backward



During playback, press the  button on the remote. You can press the button repeatedly to cycle through three different forward-search speeds. (The setting is shown on the television screen.)

Tip

No sound will be heard while searching forward or backward on a video CD.

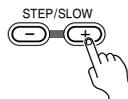
To resume normal playback



Press the  button

Frame advance playback

While paused, press the STEP/SLOW+ button on the remote.

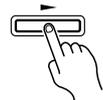


The picture will advance one frame each time you press the button.

Note

Frame advance backward playback is not available.

To resume normal playback



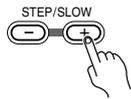
Press the  button

Tip

- No sound will be heard during frame advance playback.
- For some discs, frame advance playback may cause the picture to be unstable.
- If the still image is jittery, you can adjust the image in the setup screen (see page 72).

Playing a CD or video CD (Basic playback)—Continued

Slow motion playback



During playback, press the STEP/SLOW+ button on the remote

The screen will indicate “Slow1” and the video will

play in slow motion.

You can press the button repeatedly to cycle through three different slow-motion speeds.

Note

Backward slow motion playback is not available.

To resume normal playback

Press the ► button



Tip

- No sound will be heard during slow motion playback.

Menus

If a video CD has PBC (Playback Control) functionality (see “About video CDs” on page 75), you can use the menu to select tracks.

If a menu appears on your television screen while playing a video CD

Use the number buttons to select items or settings.

To play without seeing a menu screen (i.e., to defeat PBC playback)

Press the TOP MENU button while stopped.

Use the number buttons to select the track you want to play.

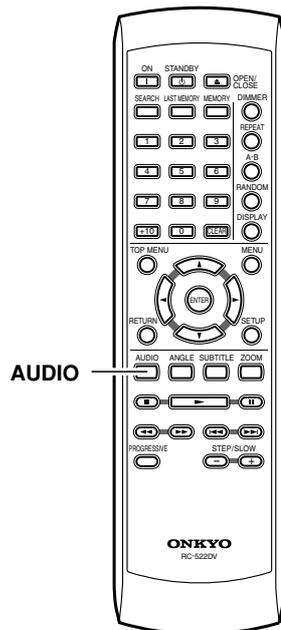
To return to the menu during PBC

Press the RETURN button.

You’ll need to turn PBC on in the Operation Setting (see page 73).

Playing a CD or video CD (Basic playback)—Continued

Switching the audio



Switching the audio during playback

You can switch between Stereo, Mono L, and Mono R.



During playback, press the AUDIO button

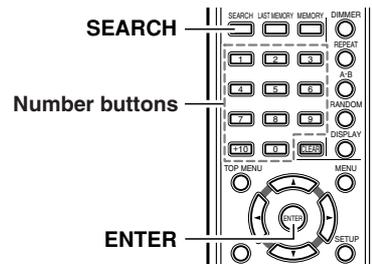
The currently selected audio setting is displayed. The setting will switch each time you press the button.

Tip

- Depending on the disc that is playing, the video may freeze for a moment when you switch the audio.
- If you are playing a karaoke title and want to hear only the accompaniment, select the audio setting as directed on the disc packaging.

Playing a CD or video CD (Basic playback)—Continued

Searching for a location



Searching for a track

Here's how you can play back a specific track of a video CD or CD.

<p>1</p> 	<p>During playback, press the SEARCH button The Disc Navigator screen appears.</p> 
<p>2</p> 	<p>Specify the desired track</p> <p>Examples:</p> <ul style="list-style-type: none"> To specify 3, press "3". To specify 10, press "1" and then "0". To specify 37, press "3" and then "7". <p>If you decide to cancel, press the CLEAR button.</p>
<p>3</p> 	<p>Press the ENTER button. Playback will begin.</p> <p>Tip</p> <ul style="list-style-type: none"> You can also use the number buttons to select a chapter or track directly, without displaying the Disc Navigator screen. (To select 10, press "+10" and the "0".) On some video CDs you can select titles and chapters from a menu on the disc. You can't specify a playback track or use the number buttons to select a track during PBC playback of a video CD. <p>Note You can't specify playback tracks while using Random Playback.</p>

Playing a CD or video CD (Basic playback)—Continued

Selecting a specific time location for playback

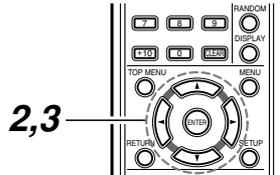
Here's how to specify a time from which playback will start (the Time Search function).

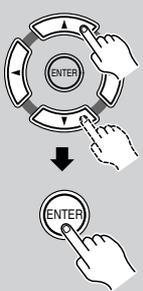
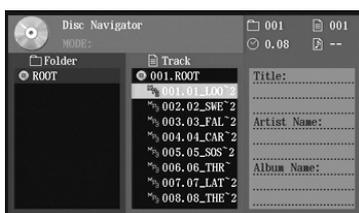
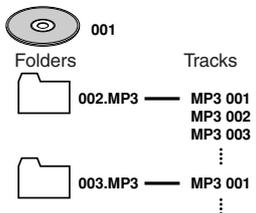
<p>1</p> 	<p>During playback, press the SEARCH button twice The Disc Navigator screen appears.</p> 
<p>2</p> 	<p>Use the number buttons to specify the time location you want to play.</p> <p>Examples:</p> <ul style="list-style-type: none"> • To specify 21 minutes 43 seconds, press “2,” “1,” “4,” and “3”. • To specify one hour 14 minutes (= 74 minutes 00 seconds), press “7,” “4,” “0,” “0”.
<p>3</p> 	<p>Press the ENTER button Playback will begin.</p> <p>Tip</p> <ul style="list-style-type: none"> • On some discs you can search from the menu. Access the menu screen and choose the desired location. • On some discs, playback may begin from a location that is slightly different than the time you specified. • You can't perform Time Search during PBC playback on a video CD. You'll need to defeat PBC playback first. • Some discs disable the search function. • You can't use the Time Search function while using Random Playback. • This function specifies the time within the track.

Playing MP3, WMA, and JPEG (Basic playback)

Playing MP3 or WMA

Here's how to play MP3 or WMA music files. MP3 and WMA are audio compression formats. Some types of recording or data may not be playable (see page 76).



1	<p>Loading a disc The Disc Navigator screen appears automatically.</p>
2	<p>Use the ▲/▼ buttons to select a folder, and press the ENTER button The folder will open, and the Track column will show the contents of the folder.</p>   <p>To close the folder and return to the previous step Press the RETURN button.</p>
3	<p>Use the ▲/▼ buttons to select the desired track, and press the ENTER button Playback will begin. During playback, the folder number, track number, and elapsed time are shown in the upper right.</p> <p>Tip If you use the Disc Navigator during random playback, the ▲/▼/◀/▶ buttons will not be available.</p> <p>Assigned numbers Numbers are shown automatically.</p> 

Playing MP3, WMA, and JPEG (Basic playback)—Continued

Skipping to the desired track

MP3 WMA

To advance to a track



During playback, press the ►► button on the player or remote

To return to a previous track



During playback, press the ◀◀ button on the player or remote

Searching forward/backward

MP3 WMA

To search forward



During playback, press the ►► button on the remote. You can press the button repeatedly to cycle through three different speeds. (The television screen indicates the current search speed.)

To search backward



During playback, press the ◀◀ button on the remote. You can press the button repeatedly to cycle through three different speeds. (The television screen indicates the current search speed.)

Tip

You can't search backward in a WMA song.

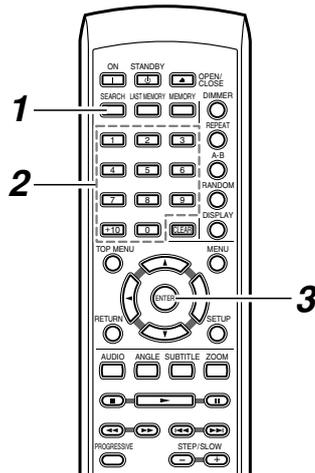
To resume normal playback



Press the ► (Play) button

Playing MP3, WMA, and JPEG (Basic playback)—Continued

Selecting a track

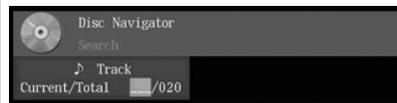


1

SEARCH



During playback, press the SEARCH button
The Disc Navigator screen appears.



2



Use the number buttons to specify a track number within the folder

Examples:

- To specify 003, press “3”.
- To specify 010, press “1” and then “0”.
- To specify 037, press “3” and then “7”.

3



Press the ENTER button

Playback will begin.

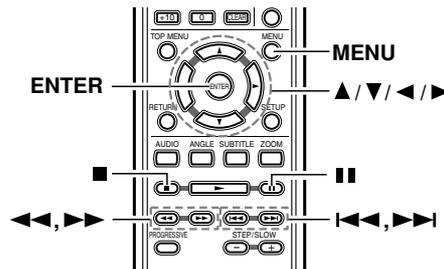
Tip

- You can also use the number buttons to select a track directly, without displaying the Disc Navigator screen. (To select 10, press “+10” and the “0”.)
- You can't use the search functions while using Random Playback.

Playing MP3, WMA, and JPEG (Basic playback)—Continued

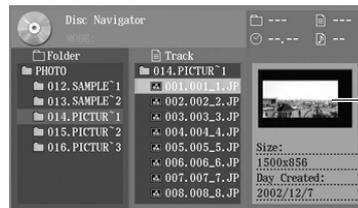
Playing a JPEG CD

You can view JPEG images on your television screen. JPEG is a compression format for still images. Depending on the recording method or on the data, there may be some images that cannot be played, or for which certain operations are unavailable.



Insert a disc containing JPEG (image) data

When you insert the disc, the Disc Navigator screen will appear automatically. Depending on the disc, thumbnail images may also be shown.



Thumbnail

Tip

- Thumbnails are shown only if the JPEG resolution is 640/480 pixels or lower.
- If the resolution is higher than 640/480, thumbnails will be shown only if thumbnail data exists.
- If the television screen is set to 16:9 Compressed, thumbnails are not shown in the Disc Navigator.

To view a list of thumbnails

Press the MENU button.
A list of thumbnails appears.



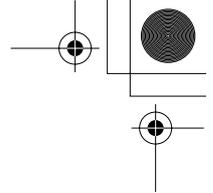
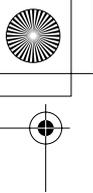
To view the Disc Navigator

Use the $\blacktriangle/\blacktriangledown/\blacktriangleleft/\blacktriangleright$ buttons to select a folder icon, and press the ENTER button.

To view a slide show

You can automatically switch the images and view them as a slide show.

Select the screen at which you want to start, and press the ENTER button. When all images have been shown, the slide show will stop automatically.



Playing MP3, WMA, and JPEG (Basic playback)—Continued

■ **Functions available during a slide show**

To view the next page

Press the ►► button.

To view the previous page

Press the ◀◀ button.

To rotate the image

Press the ▲/▼/◀/► buttons on the remote.

Tip

You can't do this while zooming.

To zoom (magnify)

Press the ◀◀ button or ►► button.

You can use the ▲/▼/◀/► buttons to adjust the position. The slide show will pause when you zoom.

To cancel zoom

Press the ► (Play) button.

To pause the slide show

Press the ■■ button.

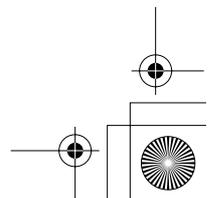
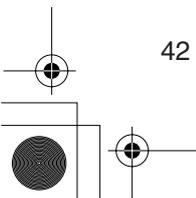
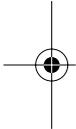
Press the button once again to resume playback from where you paused.

To stop the slide show

Press the ■ (Stop) button or the MENU button.

Tip

- Depending on their data format or file size, some images cannot be zoomed.
- Zoom is not possible if the video output is set to Progressive. You'll have to switch to Interlaced output.

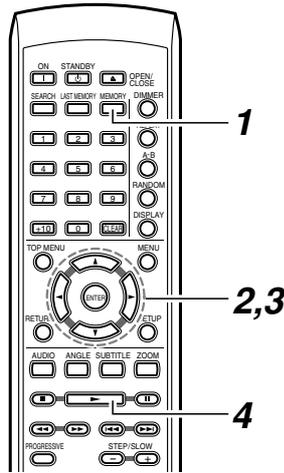


Advanced DVD playback

You can use a variety of playback and repeat functions in addition to basic DVD playback.

Memory playback

This function plays back DVD titles and chapters in the order you specify. You can memorize up to 32 steps. Memory will be cleared if you put the player in standby mode.



1



Press the MEMORY button

The Memory Play Setup screen will appear. Use the ◀/▶ buttons to select the chapter or title area.

Memory input area

No.	Title/Folder	Chapter/Track
01.	Current/Total 001/---	Current/Total ---/---
02.	---	---
03.	---	---
04.	---	---
05.	---	---
06.	---	---
07.	---	---

2



Use the ▲/▼ buttons to specify the chapter or track you want to memorize

If you select "All," all titles and chapters on the disc will be memorized.

Tip

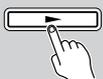
You can also use the number buttons for input.

Examples:

- To specify 10, press "1" and then "0".
- To specify 37, press "3" and then "7".
- To cancel, press the CLEAR button.
- To select all items, press "0".

→ Continues to next page

Advanced DVD playback—Continued

3		<p>Press the ENTER button</p> <p>If you want to continue specifying additional items, repeat steps 2 and 3.</p>
4		<p>Press the ► (Play) button</p> <p>Memory playback will begin.</p>

■ **To stop memory playback**

Press the ■ (Stop) button twice.

■ **To insert an item into memory**

- 1 Access the Memory Play Setup screen
- 2 The memory input area is selected, but press the ► button to move to the list below
- 3 Use the ▲/▼ buttons to select the location at which you want to insert an item, and press the ENTER button
- 4 Specify the title or chapter you want to memorize, and press the ENTER button

■ **To remove an item from memory**

- 1 Access the Memory Play Setup screen
- 2 The memory input area is selected, but press the ► button to move to the list below
- 3 Use the ▲/▼ buttons to select the item you want to remove, and press the CLEAR button

■ **To exit the memory setup screen**

Press the MEMORY button.



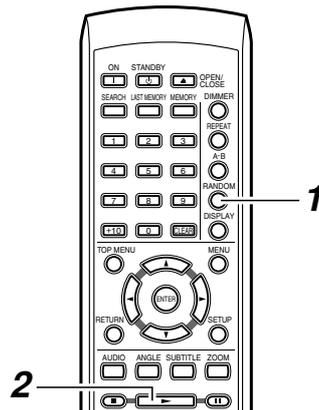
Tip

- Some discs prohibit memory playback.
- When the chapter changes, you may see an image from a chapter that was not memorized. This is not a malfunction.
- The search functions are not available during memory playback.

Advanced DVD playback—Continued

Random playback

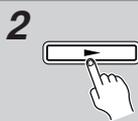
This function plays back titles or chapters in random order. It will be cleared when the player enters standby mode.



Press the RANDOM button several times to select the desired type of random playback

You can choose Title Random or Disc Random playback.
 Title Random (Randomly plays the chapters within a title.)
 Disc Random (Randomly plays the titles and chapters within a disc.)

Tip
 The Title Random options can be selected only during playback.



Press the ► (Play) button
 Random playback will begin.

Tip

- During random playback, you can press the ►► button to select and play the next song or scene in the random order.
- Some discs prohibit random playback.
- On some discs, playback may begin at a slightly different location than specified.
- You can't use random playback during Memory Playback.

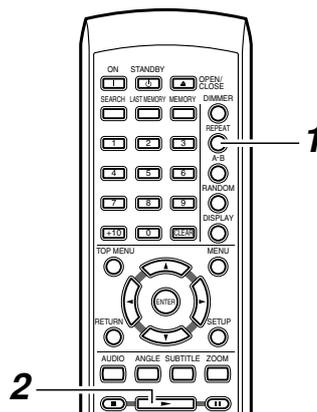
To return to normal playback
 Press the RANDOM button several times until the screen indicates "Random Off".

Advanced DVD playback—Continued

Repeat playback

This function repeatedly plays the selected title or chapter, or the entire disc. This function will be cleared when the player enters standby mode.

You can use this in conjunction with memory playback, random playback, or normal playback.



1

REPEAT



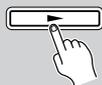
Press the REPEAT button several times to select the desired type of repeat playback.

You can choose Chapter Repeat, Title Repeat, or Disc Repeat playback.
 Chapter Repeat (Repeatedly plays the selected chapter.)
 Title Repeat (Repeatedly plays the chapters within the title.)
 Disc Repeat (Repeatedly plays the disc.)

Tip

The Chapter Repeat and Title Repeat options can be selected only during playback.

2



Press the ► (Play) button

Playback will begin.

Tip

- Some discs prohibit repeat playback.
- If you press the REPEAT button during memory playback, the memorized sequence will play repeatedly.

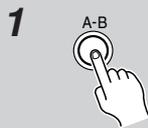
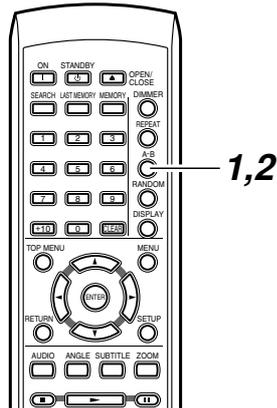
To return to normal playback

Press the REPEAT button several times until the screen indicates “Random Off” or the “REPEAT” indication disappears from the display area.

Advanced DVD playback—Continued

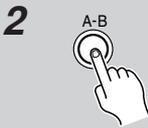
Repeatedly playing a selected segment (A-B Repeat Playback)

This function repeatedly plays the segment between the A and B points you specify.



1

During playback, press the A-B button at the beginning (point A) of the segment you want to repeat



2

Press the A-B button at the end (point B) of the segment you want to repeat

The segment between points A and B will play repeatedly.

Tip

- On some discs, playback may begin at a slightly different location than specified.
- Some discs prohibit A-B repeat playback.
- If you switch the angle (see page 28) during A-B repeat playback, you will return to the original angle when playback begins from point A.

To return to normal playback

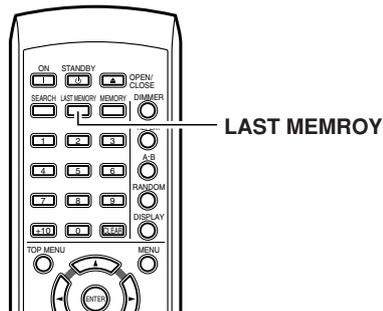
Press the CLEAR button

You can also return to normal playback by pressing the REPEAT button several times until the screen indicates "Repeat Off".

Advanced DVD playback—Continued

Last Memory

You can memorize the current location and settings for up to six discs so that the next time you insert that disc, you can resume playing from that location with those settings.



LAST MEMORY



During playback, press the LAST MEMORY button

The display section indicates “LAST MEM,” and the location and settings will be memorized.

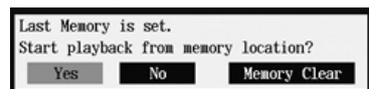
The memorized location will change each time you press the button.

■ To continue viewing

- 1 Insert the disc for which you memorized a location for continued viewing

Some DVDs will automatically begin playing when the disc is inserted.

- 2 Press the ► (Play) button



- 3 Using the ◀/▶ buttons, select “No” if you simply want to play the disc, or “Yes” if you want to continue viewing from the memorized location.

- 4 Press the ENTER button

The disc will continue playing from the memorized location.

If the Resume function is active, playback will begin from the location at which you last stopped. Press the ■ (Stop) button once again if you want to use the Last Memory function.

■ To clear the last memory

Choose “Memory Clear” in step 3, and press the ENTER button.

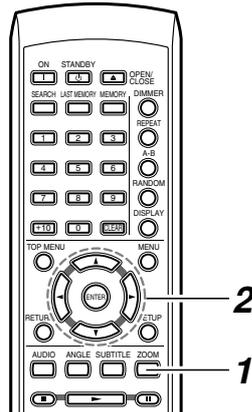
Tip

- Last Memory may not work with some discs.
- The Last Memory function can't be used while the menu screen is displayed.
- If you store memories for more than six discs, the oldest memory will be erased.
- This function may not work correctly for DVD-R/DVD-RW discs.

Advanced DVD playback—Continued

Zoom

You can zoom-in (magnify) a desired portion of the image.



1



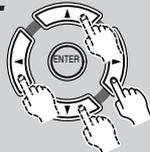
During playback or while paused, press the ZOOM button.

If you press the ZOOM button during playback, the playback will be paused.

Each time you press the button, the zoom setting will switch as follows.

x1 (normal) → x2 (double) → x4 (four times) → back to normal playback

2



Use the ▲/▼/◀▶ buttons to move the cursor to the desired position

Note

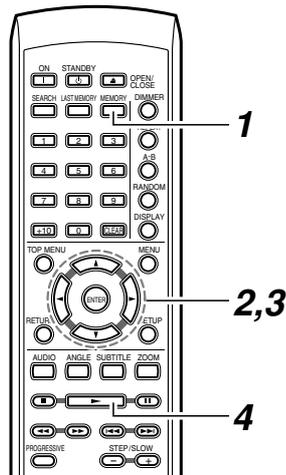
You can't zoom if the video output is set to Progressive mode. You'll need to switch the video output to Interlaced (see page 64).

Advanced CD or video CD playback

You can use a variety of playback and repeat functions in addition to basic playback.

Memory playback

This function plays video CD or CD tracks in the order you specify. You can memorize up to 32 steps. Memory will be cleared if you put the player in standby mode.



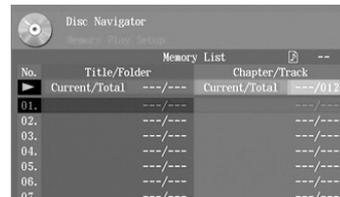
1



Press the MEMORY button

The Memory Play Setup screen will appear.

Memory input area



2



Use the ▲/▼ buttons to specify the track you want to memorize

If you select "All," all tracks on the disc will be memorized.

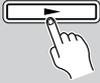
Tip

You can also use the number buttons for input.

Examples:

- To specify 10, press "1" and then "0".
- To specify 37, press "3" and then "7".
- To cancel, press the CLEAR button.
- To select all items, press "0".

Advanced CD or video CD playback—Continued

3		<p>Press the ENTER button If you want to continue specifying additional items, repeat steps 2 and 3.</p>
4		<p>Press the ► (Play) button Memory playback will begin</p>

■ To stop memory playback

Press the ■ (Stop) button twice.



■ To insert an item into memory

- 1 Access the Memory Play Setup screen
- 2 The memory input area is selected, but press the ► button to move to the list below
- 3 Use the ▲/▼ buttons to select the location at which you want to insert an item, and press the ENTER button
- 4 Specify the track you want to memorize, and press the ENTER button

■ To remove an item from memory

- 1 Access the Memory Play Setup screen
- 2 The memory input area is selected, but press the ► button to move to the list below
- 3 Use the ▲/▼ buttons to select the item you want to remove, and press the CLEAR button

■ To exit the memory setup screen

Press the MEMORY button.



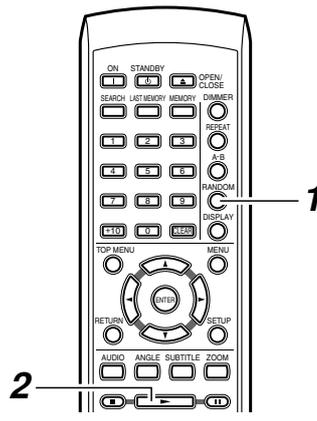
Tip

- Some discs prohibit memory playback.
- The search functions are not available during memory playback.

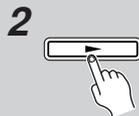
Advanced CD or video CD playback—Continued

Random playback

This function plays back tracks in random order. It will be cleared when the player enters standby mode.



Press the RANDOM button several times
Disc Random (Randomly plays the tracks within a disc.)



Press the ► (Play) button
Random playback will begin.

Tip

- During random playback, you can press the ►► button to select and play the next song or scene in the random order.
- Some discs prohibit random playback.
- On some discs, playback may begin at a slightly different location than specified.
- You can't use random playback during memory playback.
- You can't use the search function during random playback.
- You can't use random playback during PBC playback on a video CD. Turn off PBC playback before pressing the RANDOM button (see page 34).

To return to normal playback

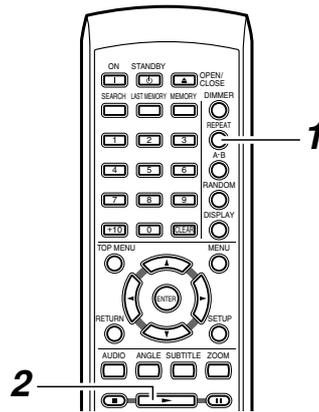
Press the RANDOM button several times until the screen indicates "Random Off".

Advanced CD or video CD playback—Continued

Repeat playback

This function repeatedly plays the selected track or the entire disc. This function will be cleared when the player enters standby mode.

You can use this in conjunction with memory playback, random playback, or normal playback.



1



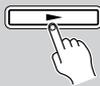
Press the REPEAT button several times

You can choose Track Repeat or Disc Repeat playback.
Track Repeat (Repeatedly plays the selected track.)
Disc Repeat (Repeatedly plays the disc.)

Tip

The Track Repeat options can be selected only during playback.

2



Press the ► (Play) button

Playback will begin.

Tip

- You can't use repeat playback during PBC playback on a video CD. Turn off PBC playback before pressing the REPEAT button (see page 34).
- Some discs prohibit repeat playback.
- If you press the REPEAT button during memory playback, the memorized sequence will play repeatedly.

To return to normal playback

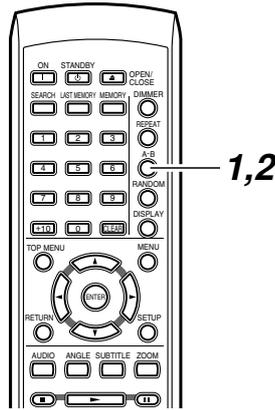
Press the REPEAT button several times until the screen indicates "Repeat Off" or the "REPEAT" indication disappears from the display area.

Advanced CD or video CD playback—Continued

Repeatedly playing a selected segment (A-B Repeat Playback)



This function repeatedly plays the segment between the A and B points you specify.



1



During playback, press the A-B button at the beginning (point A) of the segment you want to repeat

2



Press the A-B button at the end (point B) of the segment you want to repeat

The segment between points A and B will play repeatedly.

Tip

- On some discs, playback may begin at a slightly different location than specified.
- Some discs prohibit A-B repeat playback.

To return to normal playback

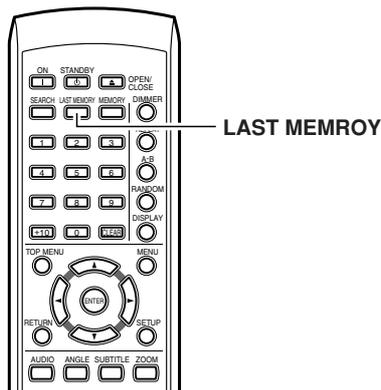
Press the CLEAR button

You can also return to normal playback by pressing the REPEAT button several times until the screen indicates “Repeat Off”.

Advanced CD or video CD playback—Continued

Last Memory

You can memorize the current location and settings for a disc so that the next time you insert that disc, you can resume playing from that location with those settings.



LAST MEMORY



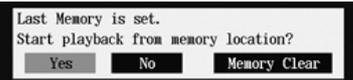
During playback, press the LAST MEMORY button

The display section indicates “LAST MEM,” and the location and settings will be memorized.

The memorized location will change each time you press the button.

■ To continue viewing

- 1 Insert the disc for which you memorized a location for continued viewing
- 2 Press the ► (Play) button



- 3 Using the ◀/▶ buttons, select “No” if you simply want to play the disc, or “Yes” if you want to continue viewing from the memorized location.
- 4 Press the ENTER button

The disc will continue playing from the memorized location.

If the Resume function is active, playback will begin from the location at which you last stopped. Press the ■ (Stop) button once again if you want to use the Last Memory function.

■ To clear the last memory

Choose “Memory Clear” in step 3, and press the ENTER button.

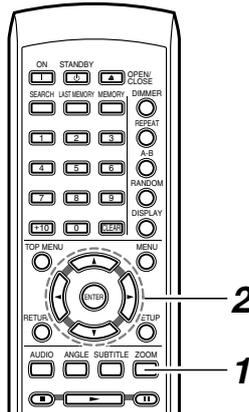
Tip

- The Last Memory function can't be used while the menu screen is displayed.
- The Last Memory function can't be used for some locations if you're using PBC playback on a video CD. Turn off PBC playback (see page 34).

Advanced CD or video CD playback—Continued

Zoom

You can zoom-in (magnify) a desired portion of the image.



1



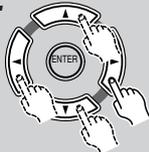
During playback or while paused, press the ZOOM button.

If you press the ZOOM button during playback, the playback will be paused.

Each time you press the button, the zoom setting will switch as follows.

x1 (normal) → x2 (double) → x4 (four times) → back to normal playback

2



Use the ▲/▼/◀/▶ buttons to move the cursor to the desired position

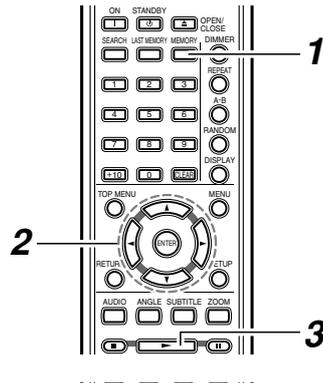
Note

You can't zoom if the video output is set to Progressive mode. You'll need to switch the video output to Interlaced (see page 64).

Advanced MP3, WMA, or JPEG playback

You can use a variety of playback and repeat functions in addition to basic playback.

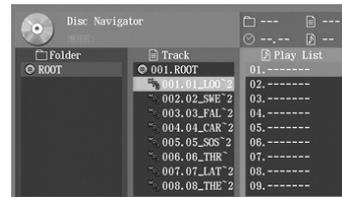
Memory playback



1

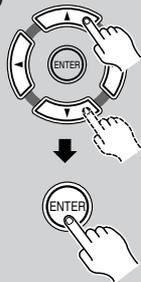


Press the MEMORY button
The Play List will appear.



Folder column Track column

2



Use the ▲/▼/◀/▶ buttons to specify the track you want to memorize, and press the ENTER button

Tip

If you select a folder icon in the track column, the Play List will indicate "All" and all tracks in the folder will be memorized.

3

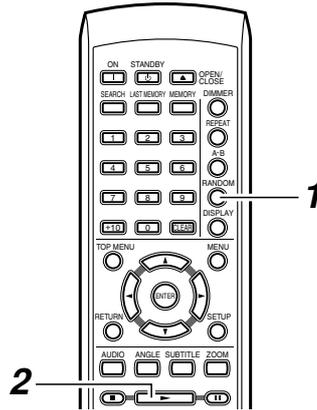


Press the ► (Play) button.
Playback will begin.

Advanced MP3, WMA, or JPEG playback—Continued

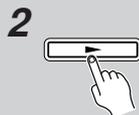
Random playback

This function plays back tracks or folders in random order. It will be cleared when the player enters standby mode.



Press the RANDOM button several times to select the desired type of random playback

You can choose either Folder Random or Disc Random playback.
 Folder Random (Randomly plays the tracks within a folder.)
 Disc Random (Randomly plays the tracks within a disc.)
 However, the contents of sub-folders will not be played.



Press the ► (Play) button

Random playback will begin.

Tip

- During random playback, you can press the ►► button to select and play the next song or scene in the random order.
- Some discs prohibit random playback.
- On some discs, playback may begin at a slightly different location than specified.
- You can't use random playback during memory playback.
- You can't use the search functions during random playback.
- You can't use the ▲/▼/◀/▶ buttons in the Disc Navigator screen during random playback.

To return to normal playback

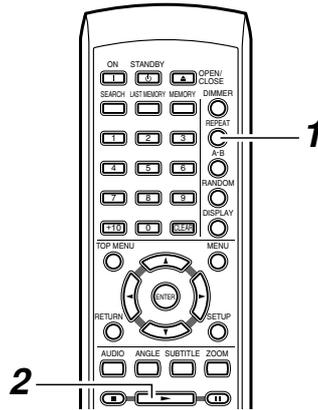
Press the RANDOM button several times until the screen no longer indicates "Folder Random" or "Disc Random".

Advanced MP3, WMA, or JPEG playback—Continued

Repeat playback

This function repeatedly plays the selected folder or track. This function will be cleared when the player enters standby mode.

You can use this in conjunction with memory playback or random playback.



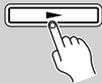
1



Press the REPEAT button several times

You can choose Track Repeat, Folder Repeat, or Disc Repeat playback.
 Track Repeat (Repeatedly plays the selected track.)
 Folder Repeat (Repeatedly plays the selected folder.)
 Disc Repeat (Repeatedly plays the disc.)

2



Press the ► (Play) button

Playback will begin.

Tip

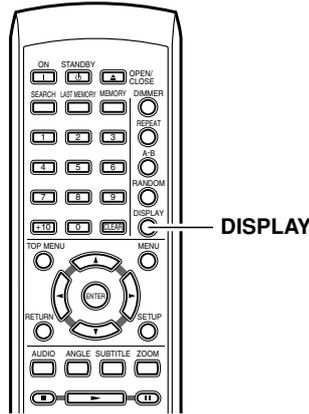
- Some discs prohibit repeat playback.
- If you press the REPEAT button during memory playback, the memorized sequence will play repeatedly.

To return to normal playback

Press the REPEAT button several times until the screen no longer indicates “Track Repeat”, “Folder Repeat” or “Disc Repeat”.

Viewing disc information

Here's how to view information such as a DVD's chapter/title data, a video CD or CD's track data, and MP3 folder/tracks data. The information that is displayed will depend on the type of disc.



DISPLAY



During playback, press the DISPLAY button

Press it once again, and the following information will appear.

DVD

Play		DISC		DVD	
Title	Current/Total	Elapsed	Remain	Total	
1/3	0.08	2.54.16	2.54.24		
Audio	1. English: Dolby Digital 3/2.1ch		Angle		
Subtitle	2. Japanese		1/1		

Play		DISC		DVD	
Chapter	Current/Total	Elapsed	Remain	Total	
1/60	0.16	0.59	1.15		
Bit-rate	■■■■■■■■■■		5.4Mbps		

MP3

Play		DISC		MP3	
Track	Current/Total	Elapsed			
01_LOO*2.MP3	1/20	0.57			
Folder	Current/Total				
ROOT	1/5				

Disc	
Title	My Favorite songs
Artist Name	Great Artist
Album Name	Dream
Year	Genre Blues
Comment	

The Bit-rate indicates the amount of information recorded on the DVD. Higher bit rates mean a greater amount of information, but this does not always mean better image quality.

CD/Video CD

Play		DISC		CD	
Track	Current/Total	Elapsed	Remain	Total	
1/12	0.05	8.31	8.36		

Play		DISC		CD	
Disc	Current/Total	Elapsed	Remain	Total	
1/12	0.11	77.58	78.08		

To hide the disc information

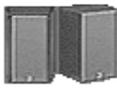
Press the DISPLAY button.

Note

When the PBC setting on the Operation Setting menu is set to On, the DISPLAY button doesn't work with video CDs with PBC.

Advanced setup

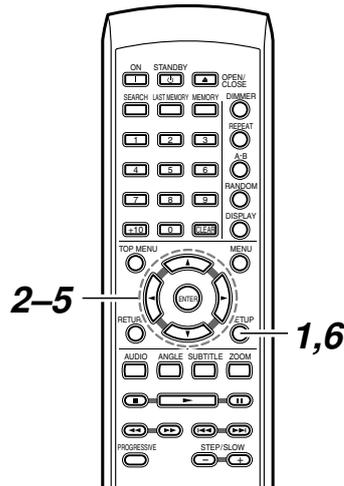
Here you can make advanced settings that are not included in the initial setup. Make these settings when necessary or desired.

Setup icon	Setup items	Contents	Page
	TV Shape	Select the aspect ratio (vertical/horizontal proportion) appropriate for the connected television.	23
	Interlaced Setting	Adjust the interlaced output image.	64
	Progressive Setting	Adjust the progressive output image.	65
	PAL Output Setting	Specify how the DV-S155X outputs video signals when playing NTSC discs.	66
	Digital Out/Digital1	Make settings for the digital signal output from the DIGITAL OPTICAL jack.	66
	Dolby Digital Out	Specify whether Dolby Digital audio will be converted.	
	MPEG Out	Specify whether MPEG audio will be converted.	
	Digital Out	Specify whether digital audio will be sent from the digital jack.	
	Digital Out/Digital2	Make settings for the digital signal output from the DIGITAL COAXIAL jack.	
	Dolby Digital Out	Specify whether Dolby Digital audio will be converted.	
	MPEG Out	Specify whether MPEG audio will be converted.	67
	Digital Out	Specify whether digital audio will be sent from the digital jack.	
	Linear PCM Out	Specify whether linear PCM audio will be converted.	
	Dynamic Range Control	Make dynamic range settings.	67
	On-Screen Language	Select the language used for on-screen display.	68
	Disc Menu Language	Select the language of menus displayed from the disc.	68
	Audio Language	Select the language of the soundtrack.	69
	Subtitle Language	Select the language of the subtitles.	69
	On-Screen Display	Specify whether operation status is shown on the screen.	71
	On-Screen Display Color	Specify the background color of the on-screen setup menus.	71
	Background	Specify the color or graphic of the setup menu and navigator screens.	71
	Screen Saver	Make screen saver settings to prevent image burn-in.	71

Advanced setup—Continued

Setup icon	Setup items	Contents	Page
	Pause/Still	Adjust the image when video is paused.	72
	Parental Lock	Make rating control settings to block playback of certain DVDs.	72
	PBC	Make settings for menu playback on video CDs with PBC.	73
	Auto power off	Specify whether the player will enter standby mode if no operation is performed for twenty minutes after playback stops.	73
	TV Shape On-Screen Language Digital Out/Digital1 Digital Out/Digital2	This is the group of settings that you make when turning on the power for the first time.	22

You'll use your television screen to make advanced DVD settings. Turn on the power of your television, and switch it to the input to which you've connected the DV-S155X.



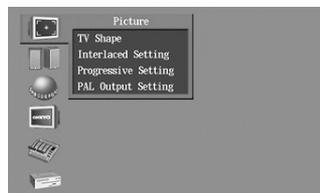
1

SETUP



Press the SETUP button

The Picture screen appears.



Advanced setup—Continued

2

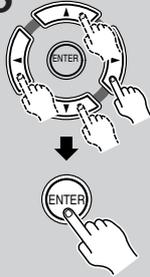


Use the ▲/▼ buttons to select the icon for the settings you want to make

Choose from Picture, Audio, Language, Display, Operation Setting, and Initial Setup.

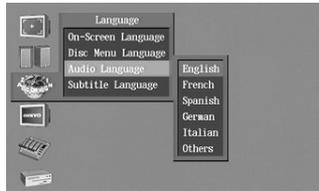


3



Use the ◀/▶ buttons and ▲/▼ buttons to select the item you want to set

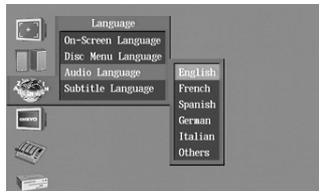
When you've selected the desired item, press the ENTER button.



4



Use the ▲/▼ buttons to move the cursor to the desired choice



5



Press the ENTER button



6



Press the SETUP button

You will exit the setup, and the advanced setup screen will disappear.

Note

Some items cannot be set while a disc is playing. Such items are grayed-out.

Advanced setup—Continued

Video settings

Here you can make video-related settings such as television size and image adjustments. For both interlaced output and progressive output, you can memorize three separate sets of video-related settings. For example you might memorize one set of settings for use during the day when the sun is coming in through the windows, another for use at night when the curtains are closed, and another for use with room lighting.

■ Interlaced video settings

Here you can make video settings for when interlaced output is used.

- 1 Use the **▲/▼** buttons to select either **Interlaced Setting “1, 2 or 3”** and press the **ENTER** button

The Interlaced Setting menu will appear.



- 2 Use the **▲/▼** buttons to select the setting you want to adjust, and press the **ENTER** button
- 3 Use the **◀/▶** buttons to adjust the setting, and press the **ENTER** button

Repeat steps 2 and 3 to adjust the desired settings.

Contrast:

Adjusts the brightness ratio between the lightest and darkest portions of the image. The default setting is 0, but you can adjust this in a range of -7 – $+7$.

Brightness:

Adjusts the brightness. The default setting is 0, but you can adjust this in a range of -7 – $+7$.

Color:

Adjusts the color depth. The default setting is 0, but you can adjust this in a range of -7 – $+7$.

Tint:

Adjusts the hue. The default setting is 0, but you can adjust this in a range of -7 – $+7$.

Sharpness:

Adjusts the sharpness. The default setting is 0, but you can adjust this in a range of -7 – $+8$.

Skin Tone Correction:

Adjusts the skin tones. The default setting is 0, but you can adjust this in a range of 0 – $+7$.

Video Black Level:

Adjusts the brightness of black images. The default setting is “Normal,” but you can change this to “Light” if desired.

Tip

These settings are effective when using interlaced output.

- 4 Press the **SETUP** button

The setup will be completed, and the video setup screen will disappear.

Advanced setup—Continued

■ Progressive video settings

Here you can make video settings for when progressive output is used (NTSC only).

- 1 Use the **▲/▼** buttons to select either **Progressive Setting “1, 2 or 3”** and press the **ENTER** button

The Progressive Setting menu will appear.



- 2 Use the **▲/▼** buttons to select the setting you want to adjust, and press the **ENTER** button
- 3 Use the **◀/▶** buttons to adjust the setting, and press the **ENTER** button

Repeat steps 2 and 3 to adjust the desired settings.

Contrast:

Adjusts the brightness ratio between the lightest and darkest portions of the image. The default setting is 0, but you can adjust this in a range of $-7 - +7$.

Brightness:

Adjusts the brightness. The default setting is 0, but you can adjust this in a range of $-7 - +7$.

Color:

Adjusts the color depth. The default setting is 0, but you can adjust this in a range of $-7 - +7$.

Tint:

Adjusts the hue. The default setting is 0, but you can adjust this in a range of $-7 - +7$.

Sharpness:

Adjusts the sharpness. The default setting is 0, but you can adjust this in a range of $0 - +8$.

Skin Tone Correction:

Adjusts the skin tones. The default setting is 0, but you can adjust this in a range of $-7 - +7$.

Tip

These settings are effective when using progressive output.

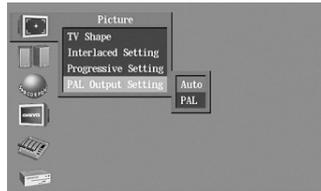
- 4 Press the **SETUP** button.

The setup will be completed, and the video setup screen will disappear.

Advanced setup—Continued

■ PAL Output Setting

With this setting you can specify how the DV-S155X outputs video signals when playing NTSC format discs.



Auto (default):

Use this option if your TV or projector supports PAL and NTSC. When you play a PAL disc, the video output will be PAL. When you play an NTSC disc, it'll be NTSC. The DV-S155X does not convert the format.

PAL:

Use this option if your TV doesn't support NTSC playback, or the picture is distorted when watching NTSC discs. The DV-S155X will convert NTSC format video to a PAL-compatible format known as *Mod PAL* or *60 Hz PAL*.

Note

This setting can be changed only when playback is stopped.

Audio Settings

■ Digital Out/Digital1

■ Digital Out/Digital2

You'll need to perform this procedure if you've connected the DV-S155X to an amp that does not support digital signals, or to an MD recorder. The signal you specify for Digital Out/Digital1 will be output from the DIGITAL OPTICAL jack. The signal you specify for Digital Out/Digital2 will be output from the DIGITAL COAXIAL jack.



• Dolby Digital output

Dolby Digital:

Choose this setting if you've connected the DV-S155X to an AV amp or decoder that supports Dolby Digital. (This is the default setting.)

Dolby Digital > PCM:

Dolby Digital signals will be converted to linear PCM signals for output. Choose this setting if you've connected the DV-S155X to an AV amp that doesn't support Dolby Digital.

Tip

If you've connected the DV-S155X to an MD recorder, choosing the "Dolby Digital > PCM" setting for the digital jack (Digital 1 or 2) to which the recorder is connected will allow you to convert the Dolby Digital signal into PCM and record it on your MD recorder.

• MPEG output

MPEG:

Choose this if you've connected the DV-S155X to an AV amp that supports MPEG.

MPEG>PCM:

MPEG signals will be converted to linear PCM for output. Choose this if you've connected the DV-S155X to an AV amp that doesn't support MPEG. (This is the default setting.)

Advanced setup—Continued

• Digital output

This specifies whether digital audio will be output from the DV-S155X's digital output jack.

On: The digital jack will output digital audio signals.

Off: The digital jack will not output digital audio signals.

■ Linear PCM Out setting



Down Sample On:

Choose this setting if you've connected the DV-S155X to an AV amp that does not support 96 kHz audio. (This is the default setting.)

Down Sample Off:

Choose this setting if you've connected the DV-S155X to an AV amp that supports 96 kHz audio.

Note

- Some discs will forcibly convert to 48/44.1 kHz even if you choose "Down Sample Off," or may not produce digital output.
- 96 kHz linear PCM audio from a copy-protected DVD video is automatically converted to 48 kHz for output, or is output as analog audio.
- This setting applies to both "Digital Out/Digital1" and "Digital Out/Digital2."

■ Dynamic Range Control setting

The Dynamic Range Control setting lets you compress the audio so that loud sounds will be softer and soft sounds will be louder. This is convenient when you find it difficult to hear the dialog of a movie, or when watching a movie late at night.



Off (default):

Dynamic Range Control will be off.

On:

Dynamic Range Control will be on. Loud sounds such as explosions will be softer, and dialog will be easier to hear.

Note

- Dynamic Range Control only works for Dolby Digital sound.
- This setting automatically reverts to Off when the DV-S155X is turned on.

Advanced setup—Continued

Language settings

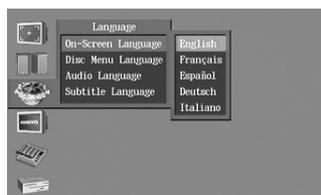
Some DVDs contain subtitles or soundtracks in more than one language, allowing you to choose the desired language. Here's how to make language-related settings. For the procedure of using the setup menu, refer to page 62.

Tip

- On some discs, you use the disc menu to select the language.
- Some discs do not provide a choice of languages. If so, the language with which the disc was produced will be used.
- Some discs may not operate as you specify even though they contain more than one languages.

■ On-Screen Language

This selects the language used for on-screen display.



English (default): The on-screen display will be in English.

Français: The on-screen display will be in French

Español: The on-screen display will be in Spanish

Deutsch: The on-screen display will be in German

Italiano: The on-screen display will be in Italian

■ Disc Menu Language

This selects the language of the menus shown by the disc when you play a DVD that contains disc menus in multiple languages.



English (default)

French

Spanish

German

Italian

Others: Choose the desired language from the language code table on page 70.

Advanced setup—Continued

■ Audio Language

This selects the language of the soundtrack that will play automatically when you play a DVD that contains soundtracks in multiple languages.



English
French
Spanish
German
Italian

Others: Choose the desired language from the language code list on page 70.

■ Subtitle Language

This selects the language of the subtitles that will be displayed automatically when you play a DVD that contains subtitles in multiple languages.



English
French
Spanish
German
Italian

No Subtitle: Subtitles will not be displayed.

Others: Choose the desired language from the language code list on page 70.

■ If you select "Others"

- 1 **Select "Others" and press the ENTER button.**
A list of language codes will appear.
- 2 **Use the ◀/▶ buttons to select the input field.**
- 3 **Use the ▲/▼ buttons to input the desired language code.**
Refer to the language code list on page 70.
- 4 **Press the ENTER button.**

Advanced setup—Continued

Language Code List

Use this list when specifying other languages.

Language	Code
Japanese	JA
English	EN
French	FR
German	DE
Italian	IT
Spanish	ES
Chinese	ZH
Dutch	NL
Portuguese	PT
Swedish	SV
Russian	RU
Korean	KO
Greek	EL
Afar	AA
Abkhazian	AB
Afrikaans	AF
Amharic	AM
Arabic	AR
Assamese	AS
Aymara	AY
Azerbaijani	AZ
Bashkir	BA
Byelorussian	BE
Bulgarian	BG
Bihari	BH
Bislama	BI
Bengali	BN
Tibetan	BO
Breton	BR
Catalan	CA
Corsican	CO
Czech	CS
Welsh	CY
Danish	DA
Bhutani	DZ
Esperanto	EO
Estonian	ET
Basque	EU
Persian	FA
Finnish	FI
Fiji	FJ
Faroese	FO
Frisian	FY
Irish	GA
Scots-Gaelic	GD
Galician	GL
Guarani	GN

Language	Code
Kirghiz	KY
Latin	LA
Lingala	LN
Laothian	LO
Lithuanian	LT
Latvian	LV
Malagasy	MG
Maori	MI
Macedonian	MK
Malayalam	ML
Mongolian	MN
Moldavian	MO
Marathi	MR
Malay	MS
Maltese	MT
Burmese	MY
Nauru	NA
Nepali	NE
Norwegian	NO
Occitan	OC
Oromo	OM
Oriya	OR
Panjabi	PA
Polish	PL
Pashto, Pushto	PS
Quechua	QU
Rhaeto-Romance	RM
Kirundi	RN
Romanian	RO
Kinyarwanda	RW
Sanskrit	SA
Sindhi	SD
Sangho	SG
Serbo-Croatian	SH
Sinhalese	SI
Slovak	SK
Slovenian	SL
Samoan	SM
Shona	SN
Somali	SO
Albanian	SQ
Serbian	SR
Siswati	SS
Sesotho	ST
Sundanese	SU
Swahili	SW
Tamil	TA

Language	Code
Gujarati	GU
Hausa	HA
Hindi	HI
Croatian	HR
Hungarian	HU
Armenian	HY
Interlingua	IA
Interlingue	IE
Inupiak	IK
Indonesian	IN
Icelandic	IS
Hebrew	IW
Yiddish	JI
Javanese	JW
Georgian	KA
Kazakh	KK
Greenlandic	KL
Cambodian	KM
Kannada	KN
Kashmiri	KS
Kurdish	KU
Telugu	TE
Tajik	TG
Thai	TH
Tigrinya	TI
Turkmen	TK
Tagalog	TL
Setswana	TN
Tonga	TO
Turkish	TR
Tsonga	TS
Tatar	TT
Twi	TW
Ukrainian	UK
Urdu	UR
Uzbek	UZ
Vietnamese	VI
Volapük	VO
Wolof	WO
Xhosa	XH
Yoruba	YO
Zulu	ZU

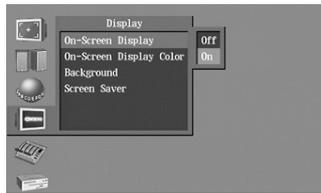
Advanced setup—Continued

Display

Here you can make display-related settings.

■ On-Screen Display

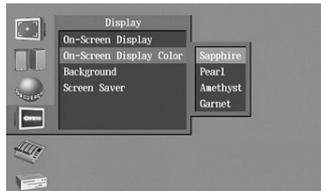
This specifies whether the operating status such as “Stop” or “Play” will be shown on the screen when you play a DVD.



- Off:**
Operating status is not displayed.
- On (Default setting):**
Operating status is displayed.

■ On-Screen Display Color

This specifies the color or graphic of the setup menu and navigator screens.



- Sapphire (Default setting)**
- Pearl**
- Amethyst**
- Garnet**



■ Background

This specifies the background color of the on-screen setup menus.



- Blue**
- Gray**
- Graphic (Default setting)**

■ Screen Saver

This enables the screen saver function which prevents image burn-in on the television screen.



- Off:**
The screen saver will not operate.
- On:**
The screen saver will operate. (Default setting)

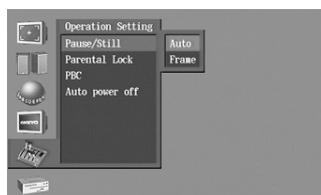
Advanced setup—Continued

Operation Setting

Here you can make settings for various functions of the DV-S155X.

■ Pause/Still

This setting specifies how the image will be frozen when you pause playback. The “Frame” setting generally provides higher quality, but may be blurry in some cases. The “Field” setting is not as high quality as “Frame,” but will not be blurred.



Auto:

The “Field” or “Frame” setting will be chosen automatically depending on the disc. (Default setting)

Frame:

This is the normal mode.

■ Parental Lock

Some DVDs containing violence or other potentially inappropriate material utilize a viewer rating system. (The rating level is indicated on the packaging of the disc.) By setting the DV-S155X’s rating level lower than the level indicated on the package of a DVD, you can prevent children from watching that DVD.



1 Choose Parental Lock “On,” and press the ENTER button

A password entry screen will appear.

2 Use the number buttons to input a four-digit password, and press the ENTER button

The rating level setting screen will appear.

3 Use the ▲/▼ buttons to select a level, and press the ENTER button

The rating level will be set.

4 Press the SETUP button

This completes the setting; the setting screen will disappear.

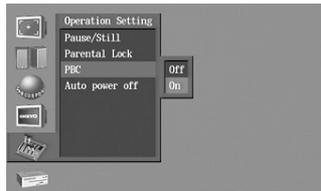
Tip

- You can change this setting only while the player is stopped.
- If you make a mistake while entering the password, press the CLEAR button.
- If you forget the password, press the ■ (Stop) button four times instead of entering the password in the procedure described above.
- You’ll need to input the password in order to defeat the viewing restriction or change the level.
- The packaging of the disc will indicate whether a disc supports viewing restriction levels.

Advanced setup—Continued

■ PBC

This setting enables menu playback for video CDs with PBC.



Off:

PBC playback is disabled.

On (Default setting):

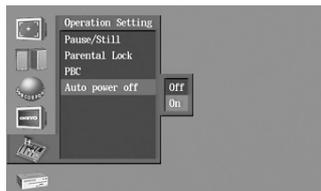
PBC playback is enabled. (Default setting)

Tip

- PBC playback functionality differs between discs; please refer to the packaging of the disc.
- The DV-S155X may not support PBC playback of some video CD discs.

■ Auto power off

Auto power-off is a function that automatically puts the DV-S155X in standby mode if no operation is performed for twenty minutes after playback stops.



Off (Default setting):

Auto power-off is disabled.

On:

Auto power-off is enabled.

About Discs

Playable discs

The DV-S155X can only play back discs with the following marks on the disc labels, packaging, or jackets.

Disc mark	
DVD videos  	
DVD-R 	DVD-RW 
VIDEO CDs 	CD^{*1} 
CD-R^{*2}  	
CD-RW^{*2}  	

- *1 **About playing copy-controlled CDs**
Some copy-controlled CDs may not conform to official CD standards. They are special discs and may not play on the DV-S155X.
- *2 The DV-S155X supports CD-R and CD-RW discs recorded in Video CD format, audio CD format, or ISO9660 Level 2 format with MP3, WMA and JPEG files. It also supports DVD-R and DVD-RW discs recorded in DVD-Video format. However, some CD-R/RW and DVD-R/RW discs may not work properly for any of the following reasons: incomplete disc finalization, disc burner characteristics, disc characteristics, the disc is damaged or dirty. See the manual supplied with your disc burner for more

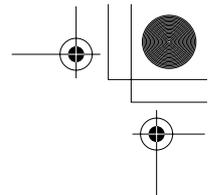
information. Condensation or dirt on the optical pickup lens can also affect playback.

Non-playable discs

- You cannot play back discs other than those listed above.
- You cannot play discs such as Super Audio CD, DVD-Audio, DVD-ROM, DVD+R, DVD+RW, DVD-RAM, Photo CD, CD-G etc., even if the marks in the above table are labeled on those discs.
- The DV-S155X uses the PAL/NTSC color system, and cannot play back DVD videos recorded in any other color system (SECAM, etc.).
- Avoid using heart-shaped or octagonal discs. Playing irregularly-shaped discs may damage the internal mechanism of the DV-S155X.



- Do not use discs that have residue from adhesive tape, rental discs that have peeling labels, or discs that have custom labels or stickers. Otherwise, you may not be able to eject the discs, or the DV-S155X may become inoperative.



About Discs—Continued

DVD control limitations

The controls on certain DVD discs may be prohibited or disabled. The DV-S155X will display an icon (ⓧ) that means a function is “prohibited by the disc” if you try to execute such a function.

On discs that enable interactive controls from the menu or during playback, certain functions (such as repeat play or programming) may not be available. In these cases, the DV-S155X will display an icon (ⓧ) that means the function is “prohibited by the player.”

About video CDs

The DV-S155X supports Video CDs with or without PBC (Version 2.0). (PBC is an abbreviation for Playback Control.)

Video CDs without PBC (Version 1.1)

Video CDs that do not utilize PBC allow you to play sound and movies on the DV-S155X using the same operations you would use to play an audio CD.

Video CDs with PBC (Version 2.0)

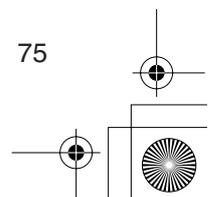
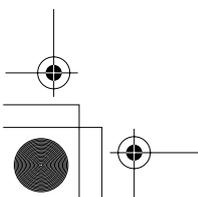
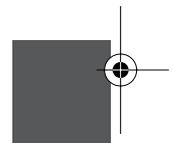
Video CDs that utilize PBC also allow you to play sound and movies on the DV-S155X. In addition, these discs enable you to use interactive software and search functions from a menu displayed on the TV screen (Menu Playback). Some of the functions described in this Instruction Manual may not work with some discs.

DVD-R/DVD-RW playback

The DV-S155X supports DVD-R and DVD-RW discs recorded in DVD Video format.

- DVD-R/DVD-RW discs recorded in DVD-VR format cannot be played.
- Unfinalized DVD-R/DVD-RW discs cannot be played.
- The DV-S155X is a playback only component, the DV-S155X cannot record onto DVD-R/DVD-RW discs.

* Refer to a manual comes with DVD video recorder for DVD video recording format (VR mode) and DVD video format (video mode).



About Discs—Continued

Regarding CD-R/CD-RW playback

The DV-S155X can play back CD-R/CD-RW discs containing music CD data, music data in formats such as MP3, and image data in formats such as JPEG. However depending on the disc, you may occasionally experience problems such as inability to play back, audible noise, or distorted sound.

- For details, refer to the owner's manual for your recorder.

Regarding MP3/WMA/JPEG playback

- Use discs that are recorded according in compliance with the ISO9660 level 2 CD-ROM file system. (However, only eight levels of folder hierarchy are supported, as in ISO9660 level 1.)
- Up to 999 folders and 671 tracks can be recognized and played.
- When displayed on the screen, a three-digit number is added to each folder and track.
- In the case of a multi-session disc, only the first session is played.
- If you attempt to play back a disc that the DV-S155X does not support, a message of "This format cannot be played" will appear.
- The disc must be finalized.

Caution

In some cases, a DVD-R/DVD-RW or CD-R/CD-RW recorded on a recorder or computer may not be playable. (Possible causes: the characteristics of the disc, scratches, dirt on the disc, dirt on the lens of the player, condensation, etc.)

Regarding MP3 playback

- Only MP3 files with a filename extension of ".mp3" or ".MP3" can be played back.
- MPEG1 audio layer 3 (64--384 kbps) files recorded with a sampling frequency of 44.1/48 kHz are supported.
- Variable bit rate (VBR) files from 64 kbps through 384 kbps are supported. The time indication in the display area may not be shown correctly during VBR playback.

Regarding WMA playback

- WMA stands for "Windows Media Audio," and is an audio compression technology developed by Microsoft Corporation USA.
- Only WMA files with a filename extension of ".wma", ".WMA" or ".ASF" can be played back.
- Files recorded with a sampling frequency of 44.1/48 kHz are supported.
- Variable bit rate (VBR) files from 16 kbps through 192 kbps are supported. The time indication in the display area may not be shown correctly during VBR playback.
- Defeat WMA content protection when recorded the WMA data to disc.

Regarding JPEG playback

- JPEG is a graphic format used for saving image files such as photos and illustrations. JPEG still images with a filename extension of ".jpg," ".JPG" or ".JPEG" can be displayed.
- The following JPEG files of 5 Mbytes or less are supported.
- Brightness/color difference ratios of 4:4:4, 4:2:2, and 4:1:1 are supported. Progressive JPEG is not supported.

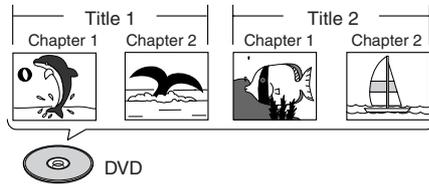
About Discs—Continued

Differences in disc composition

DVDs

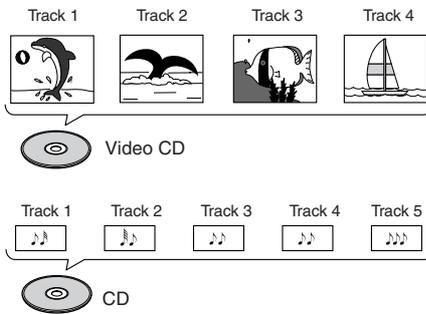
All discs are divided into smaller, more manageable sections so that you can find specific content more easily.

More specifically, discs are divided into one or more titles. Each title may be further divided into several chapters. Occasionally, a chapter may contain index points, effectively dividing the chapter into several parts as well.



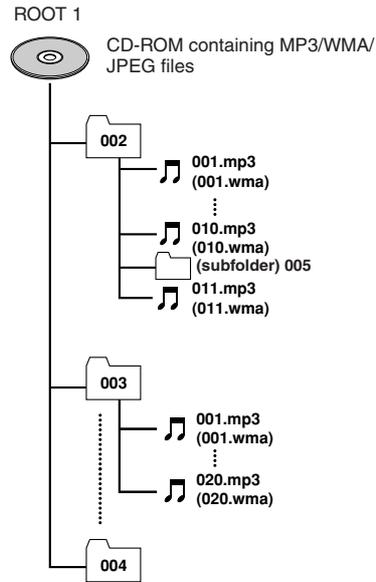
Video CDs and audio CDs

Video CDs and audio CDs are divided into a number of tracks. In rare cases, a track may contain a number of index points, effectively dividing the track into several parts.



MP3/WMA and JPEG Files

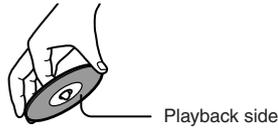
WMA/MP3 folder/track names and JPEG folder/track names are shown in the screen.



About Discs—Continued

Handling discs

- Do not touch the playback side of a disc.



- Do not attach paper or tape to discs.



Cleaning discs

- Fingerprints and dust on a disc can cause picture and sound deterioration. Wipe the disc from the center outwards with a soft cloth. Always keep discs clean.



- If you cannot wipe off the dust with a soft cloth, wipe the disc lightly with a slightly moistened soft cloth and finish with a dry cloth.
- Do not use any type of solvent, such as thinner, benzene, commercial cleaners or antistatic spray for vinyl LPs. These solvents may damage discs.

Storing discs

- Do not store discs in locations subject to direct sunlight or near heat sources.
- Do not store discs in locations subject to moisture or dust, such as a bathroom or near a humidifier.
- Store discs in cases. Store each case vertically. Stacking or placing objects directly on a disc may cause it to warp.

Copyrights

It is forbidden by law to copy, broadcast, show, broadcast on cable, play in public, or rent copyrighted material without permission. DVD videos are copy-protected, and any recordings made from these discs will be distorted.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright-protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only, unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

A note regarding condensation

If you move this DVD player from a cold place into a warm room, or use a heater to rapidly warm a cold room, small droplets of water (“condensation”) may form inside the player. Condensation will prevent the player from working properly, and will also damage the disc or parts inside. If condensation occurs, leave the power turned on for one or two hours before you use the player. When not using the player, we recommend that you remove the disc.

Troubleshooting

Please check the following points first. It is possible that the cause may lie with other connected equipment, so refer to the Instruction Manual of your other equipment as well. The numbers shown at the end of a line indicate pages for reference.

Power-related problems

Power does not turn on

- Make sure that the power cord has not fallen out of the outlet.
- Unplug the power cord from the outlet, wait at least five seconds, and plug it back in again.

Sound-related problems

No sound

- Could the power cord have fallen out of the outlet?
- Make sure that the connecting cables are firmly connected. (page 13)
- Insert RCA-type plugs all the way into the jack.
- It is possible that the player is being affected by a strong magnetic field, such as produced by a television. Move the player away from the television.

About the sound quality

- Changing the polarity of the power plug will sometimes improve the sound. The sound quality will stabilize ten to thirty minutes after the power is turned on. Please note that the sound quality will deteriorate if you bundle the audio connection cable together with speaker cables.

Video-related problems

Playback image is occasionally distorted

- Check whether the disc is dirty.
- The image may be somewhat distorted while searching forward or backward. This is not a malfunction of the player.

Frozen image is blurred

- Use the Operation Setting to adjust the Pause/Still. (page 72)

Brightness of the playback image is unsteady. Or, noise is present in the playback image

- If you've connected the DV-S155X via a video deck or a television with built-in video recorder, copy-protection is being applied. Connect the DV-S155X directly to your television.
- On some televisions or monitors, the color level may become slightly lighter or the tint may change during playback. Also, some discs may produce noise in the image because of their high resolution. In such cases, adjust your television or monitor to get the optimal picture.

Picture does not appear on the television screen

- Make sure that the correct input is selected on the television to which the DV-S155X is connected.
- If the same image is displayed for an extended time while the player is stopped or paused, the screen saver function will operate. In this case, press the ► button to defeat the screen saver. Press the button once again to begin playback. The screen saver will operate even if a television is not connected, such as when playing a CD.
- If you've connected the DV-S155X to the component jacks of your television, select the "Interlaced" setting. (page 64)

Picture is stretched vertically or horizontally

- The TV Shape setting is not appropriate for your television. Make settings as explained in "Initial setup" or "Advanced setup." (pages 23, 64)

Mesh-like noise appears on the television screen

- Keep the television antenna cable at a distance from the DV-S155X's power cord and connection cables.

Troubleshooting—Continued

Problems with disc playback

Disc won't play

- When playing a disc recorded in DTS format, you must connect the digital output jack to a DTS-compatible decoder. If a DTS-compatible decoder is not connected to the digital output jack when you play back, an extreme level of noise will be output from the DV-S155X's analog audio output jacks.
- Make sure that the disc is a type that the DV-S155X is able to play. (page 74)
- Check the region number. (page 3)
- If the Parental Lock function is active, defeat it or change the level. (page 72)

There's a time lag before playback begins

- For DVDs and for CDs that contain a large number of songs, a certain amount of time is required for the disc to be read.

Skips occur in the sound

- The sound may skip if the player is subjected to vibration, if the disc has a large scratch, or if the disc is dirty.

Can't memorize songs or scenes

- Make sure that a disc is inserted in the player, and that the song or scene you are attempting to memorize is on that disc. Some DVDs prohibit memory operations.

Disc is inserted, but won't play

- Make sure that the correct side of the disc is facing upward.
- Make sure that the disc is not badly soiled or scratched.
- If you suspect that condensation has occurred, leave the player for approximately one hour before attempting to operate it. (page 78)

Disc doesn't play in the correct order

- Defeat special playback modes such as Repeat Play, Memory Playback, and Random Playback. (pages 57–59)

The specified language, subtitle, or soundtrack is not output

- The disc does not contain the language you specified.

When you play back a DVD or video CD, playback begins from the middle

- The Resume function is active. If you want to play the disc from the beginning, press the ■ (Stop) button twice and then play back.
- If you press the ▲ (Open/Close) button to open the tray while a DVD or video CD is playing, the DV-S155X will remember that location. The next time you play back that disc, it will begin playing from the location at which you pressed the ▲ button. A DVD-R/DVD-RW disc will play back from the location at which you pressed the ▲ button, whether it is the same disc or another DVD-R/DVD-RW disc. If you want to play the disc from the beginning, press the ■ (Stop) button twice and then play back.

"Prohibited by the disc" symbol appears on the television screen

- The operation you selected is prohibited by the disc. (page 75)

"Prohibited by the player" symbol appears on the television screen

- The operation you selected is prohibited by the DV-S155X. (page 75)

Playing a Copy Control music CD

Noise or skips occur during playback / Player fails to recognize disc ("NO DISC" indication) / First song is not played / Finding the beginning of a song takes longer than normal / Plays from the middle of a song / Some portions won't play / Stops mid-way through playback / Indicator display is wrong

- The disc you are attempting to play is a music CD with Copy Control technology. Some music CDs with Copy Control do not comply with the CD specification. These are non-standard discs, and may not be playable on the DV-S155X.

Troubleshooting—Continued

Problems with MP3/WMA/JPEG playback

Can't play back a disc that contains MP3/WMA/JPEG files

- Make sure that the recorded disc is ISO 9660 compliant. (page 76)
- Make sure that the disc containing the files has been finalized.

Can't select a track (file) recorded on the disc

- Files will not be recognized if they have a non-standard filename extension. Change the filename extension. (page 76)
- The DV-S155X cannot recognize more than 999 folders or 671 tracks. (page 76)
- The DV-S155X does not support multi-session discs. Only the first session of a multi-session disc will be played. (page 76)

Problems with the remote control

The remote control doesn't work

- Are the batteries inserted with the correct polarity (+, -) as indicated? (page 12)
- Try replacing both batteries with fresh batteries. (Avoid mixing batteries of differing types, or old and new batteries.)
- Could the remote control be too far from the DV-S155X?
- Is there an obstruction between the remote control and the DV-S155X?
- Is strong light (fluorescent light or direct sunlight) shining on the DV-S155X's remote control optical sensor?
- If the door of your audio rack is made of colored glass, the remote control may not operate correctly.

Problems with connections to external devices

System functions don't work with other connected Onkyo products

- Make sure that both the **RI** cable and the audio connection cable are connected correctly. The system will not work if only the **RI** cable is connected. (page 18)

Problems with settings

Your settings have disappeared

- Your settings will be lost if there is a power failure or the power cord is disconnected while the player is powered-on.

Can't change the settings

- Some settings can't be changed during playback. In this case, stop playback before you change the settings.

Sound is output in monaural

- While playing a video CD, the output will be monaural if you pressed the remote control's AUDIO button to select Mono L or Mono R. To return to stereo, press the remote control's AUDIO button once again to select stereo. (page 27)
 - * The status of this setting is shown in the video output, so you'll need to connect a television to check the current status.



Troubleshooting—Continued

The manufacturer expressly disclaims any responsibility for damages (including but not limited to CD rental fees) incurred because of your inability to make a satisfactory recording due to a malfunction of this device. Before making an important recording, you should verify that recording occurs correctly.

This device contains sophisticated microcomputer functionality that in rare cases may malfunction due to interference, noise, or static electricity from an external source. If this occurs, unplug the power cord, wait at least five seconds, and then connect the power cord once again.

■ To return DVD-related settings to their default state (the factory settings)

- 1 Remove the disc so that the display section indicates “No Disc”
- 2 While holding down the ■ (Stop) button, press the STANDBY/ON button

The display will indicate “INITIALIZE” for approximately seven seconds, and will then indicate “COMPLETE.”

DVD-related settings have now been set to their default state (the factory settings).



Glossary



Analog audio

An electrical signal that directly represents sound. Compare this to digital audio which can be an electrical signal, but is an indirect representation of sound. See also “Digital audio”.

Aspect ratio

The width of a TV screen relative to its height. Conventional TVs are 4:3 (in other words, the screen is almost square); wide-screen models are 16:9 (the screen is almost twice as wide as it is high).

Digital audio

An indirect representation of sound by numbers. During recording, the sound is measured at discrete intervals (44,100 times a second for CD audio) by an analog-to-digital converter, generating a stream of numbers.

On playback, a digital-to-analog converter generates an analog signal based on these numbers. See also “Sampling frequency” and “Analog audio”.

Dolby Digital



Using a maximum of 5.1 channels of audio, this high quality surround system is used in many of the finer movie theaters around the world.

The on-screen display shows which channels are active, for example showing 3/2.1. The 3 being the two front channels and the center channel; the 2 being the surround channels, and the .1 being the LFE channel.

DRM

DRM (digital rights management) is a type of server software developed to enable secure distribution of paid content over the web, recently incorporated by WMA (Windows Media Audio).

DTS



DTS stands for Digital Theater Systems. DTS is a surround system different from Dolby Digital that has become a popular surround sound format for movies.



Glossary—Continued

Dynamic range

The difference between the quietest and loudest sounds possible in an audio signal (without distorting or getting lost in noise).

Dolby Digital and DTS soundtracks are capable of a very wide dynamic range, delivering dramatic cinema-like effects.

EXIF (Exchangeable Image File)

A file format developed by Fuji Photo Film for digital still cameras. Digital cameras from various manufacturers use this compressed file format which carries date, time and thumbnail information, as well as the picture data.

File extension

A tag added to the end of a filename to indicate the type of file. For example, “.mp3” indicates an MP3 file.

ISO 9660 format

International standard for the volume and file structure of CD-ROM discs.

JPEG

A file format used for still images, such as photographs and illustrations. JPEG files are identified by the file extension “.jpg” or “.JPG”. Most digital cameras use this format.

MP3

MP3 (MPEG1 audio layer 3) is a compressed audio file format. Files are recognized by their file extension “.mp3” or “.MP3”.

MPEG audio

An audio format used on Video CDs and some DVD discs. This unit can convert MPEG audio to PCM format for wider compatibility with digital recorders and AV amplifiers. See also “PCM (Pulse Code Modulation)”.

MPEG video

The video format used for Video CDs and DVDs. Video CD uses the older MPEG-1 standard, while DVD uses the newer and much better quality MPEG-2 standard.

PBC (PlayBack Control) (Video CD only)

A system of navigating a Video CD through on-screen menus recorded onto the disc. Especially good for discs that you would nor-

mally not watch from beginning to end all at once—karaoke discs, for example.

PCM (Pulse Code Modulation)

The most common system of encoding digital audio, found on CDs and DAT. Excellent quality, but requires a lot of data compared to formats such as Dolby Digital and MPEG audio. For compatibility with digital audio recorders (CD, MD and DAT) and AV amplifiers with digital inputs, this unit can convert Dolby Digital, DTS and MPEG audio to PCM. See also “Digital audio”.

Regions (DVD-Video only)

These associate discs and players with particular areas of the world. This unit will only play discs that have compatible region codes. You can find the region code of your unit by looking on the rear panel. Some discs are compatible with more than one region (or all regions).

Sampling frequency

The rate at which sound is measured to be turned into digital audio data. The higher the rate, the better the sound quality, but the more digital information is generated. Standard CD audio has a sampling frequency of 44.1kHz, which means 44,100 samples (measurements) per second. See also “Digital audio”.

WMA

WMA is short for Windows Media Audio and refers to an audio compression technology developed by Microsoft Corporation. WMA data can be encoded by using Windows Media Player version 8 or Windows Media Player for Windows XP.

Specifications

Signal System	PAL/AUTO	
Composite Video Output/Impedance	1.0 V (p-p)/75 Ω negative sync, RCA/phono	
S-Video Output/Impedance	Y: 0.7 V (p-p)/75 Ω negative sync, 4-pin mini DIN C: 0.286 V (p-p)/75 Ω	
Component Video Output/Impedance	Y: 1.0 V (p-p)/75 Ω, PB/PR: 0.7 V (p-p)/75 Ω RCA/ phono	
AV Connector (European model only)	1.0 V (p-p)/75 Ω, Scart	
Component Video Frequency Response	5 Hz–50 MHz	
Frequency response	DVD Linear Sound	4 Hz–44 kHz (96kHz), 4 Hz–22 kHz (48kHz)
	Audio CD	4 Hz–20 kHz (44.1kHz)
S/N Ratio	106 dB	
Audio Dynamic Range	96 dB	
THD (Total Harmonic Distortion)	0.001 % (1kHz)	
Wow and Flutter	Below threshold of measurability	
Audio Output (Digital/Optical)	–22.5 dBm	
Audio Output/Impedance (Digital/Coaxial)	0.5 p-p/75 Ω	
Audio Output/Impedance (Analog)	2.0 V (rms)/320 Ω	

■ General

Power Supply	AC 230–240V, 50 Hz
Power Consumption	11 W
Stand-by Power Consumption	0.65 W
Dimensions (W x H x D)	155 W x 94 H x 297 D mm
Weight	1.9 kg
Operation Condition Temperature	5° C–35° C
Disc Compatibility	DVD-video, DVD-R/RW, Audio CD, CD-R/RW, Video CD, MP3, WMA, JPEG Disc that have not been property finalized may only be partially play-able or not playable at all

Specifications and features subject to change without notice.

ONKYO CORPORATION

Sales & Product Planning Div. : 2-1, Nisshin-cho, Neyagawa-shi, OSAKA 572-8540, JAPAN
Tel: 072-831-8023 Fax: 072-831-8124

ONKYO U.S.A. CORPORATION

18 Park Way, Upper Saddle River, N.J. 07458, U.S.A.
Tel: 201-785-2600 Fax: 201-785-2650 <http://www.onkyousa.com>

ONKYO EUROPE ELECTRONICS GmbH

Liegnitzerstrasse 6, 82194 Groebenzell, GERMANY
Tel: +49-8142-4401-0 Fax: +49-8142-4401-555 <http://www.onkyo.net>

ONKYO EUROPE UK Office

Suite 1, Gregories Court, Gregories Road, Beaconsfield, Buckinghamshire, HP9 1HQ
UNITED KINGDOM Tel: +44-(0)1494-681515 Fax: +44(0)-1494-680452



ONKYO CHINA LIMITED

Units 2102-2107, Metroplaza Tower I, 223 Hing Fong Road, Kwai Chung,
N.T., HONG KONG Tel: 852-2429-3118 Fax: 852-2428-9039

Printed in Japan
I0407-1

SN 29343862

(C) Copyright 2004 ONKYO CORPORATION Japan. All rights reserved.



* 2 9 3 4 3 8 6 2 *