

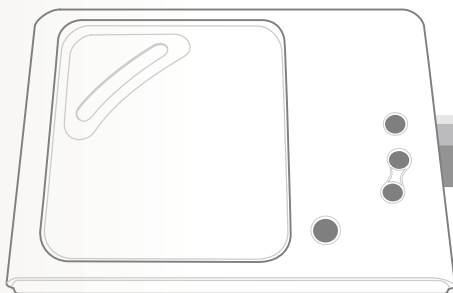


INSTRUCTION MANUAL

SMB-657

- **DVD / CD PLAYER**

Please read before using this unit.



WARNING

To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

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



The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.

No naked flame sources, such as lighted candles, should be placed on the apparatus.

The main plug is used as the disconnected device, the disconnet device shall remain readily operate.

CAUTION

- To prevent electric shock, do not use this (polarized) plug with any extension cord, receptable or other outlet unless the plug can be fully inserted without exposing any parts of this blades.
- To prevent electric shock, match wide blade of plug to wide slot, fully insert.

 <p>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.</p>	<p style="text-align: center;">CAUTION</p> <p style="text-align: center;">RISK OF ELECTRIC SHOCK DO NOT OPEN</p> <p>WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>	 <p>The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.</p>
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IMPORTANT

Since CD circuitry may cause interference with other radio tuners nearby, switch this recorder off when not in use or move it away from an affected radio tuner.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesirable operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with these instructions, may cause harmful interference to radio communications. There is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.


This ClassB digital apparatus complies with Canadian ICES-003.

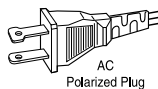
**CLASS 1
LASER PRODUCT**

SAFETY CERTIFICATION

This digital apparatus is made and tested to meet safety standards of the FCC, requirements and compliance with safety performance of the U.S. Department of Health and Human Services, and also with FDA Radiation Performance Standards 21 CFR Subchapter J.

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 a dry cloth.**
7. **Do not block any of the ventilation openings.**
Install in accordance with manufacturer's instructions.
8. **Do not install near any heat source** 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 a 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.
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 if the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, or when the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



Class II equipment symbol 

This symbol indicates that the unit has a double insulation system.

Getting Started

Before attempting to connect, operate or adjust this product, please read these instructions completely and keep this manual for future reference.

Dear customers :

May we take this opportunity to thank you for purchasing this DVD Player.

We strongly recommend that you carefully study the operating instructions before operating the unit.

Main Features


- Front loading DVD / CD player.
- Built-in Dolby Digital.

Standards

Video : NTSC

Audio : PCM (48 or 96 kHz), 2 Channel MPEG layer 2, Dolby AC-3 line out

Features of audio specifications

-  DOLBY Digital 2 ch decoding output.
- DOLBY for Digital (Coaxial) output.
- Linear PCM output.



Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture. In case of 525 or 625 progressive scan picture problems, it is recommended that the user switch the connection to the "STANDARD DEFINITION" output. If there are questions regarding our TV set compatibility with this model 525p and 625p DVD player, please contact our customer service center.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property 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.

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Getting Started

Disc types


	Audio & Video	Disc size 12cm single side, single layer / single side, double layer NTSC DVD disc Playback time 135min / 240min max.
	Audio	Disc size 12cm / 8cm CD disc Playback time 74min / 20min max.

*** Player is CD-R, CD-RW compatible.**

Note: CD-R, CD-RW Discs recorded with writing device can only be used when they are correctly treated.

Region Management Information

This DVD Player is designed and manufactured to respond to the Region Management Information that is recorded on a DVD disc. If the Region number described on the DVD disc does not correspond to the Region number of this DVD Player, this DVD player cannot play that disc.

The Region number of this DVD player is .

Disc maintenance

- Before playback, wipe the disc from the center hole toward the outer edge with a clean cloth.
- Never use benzene, thinner, cleaning fluid, static electricity prevention liquids or any other solvent.

Note : Dirty disc may cause bad picture.

Correct



Incorrect



From the center to the edge

Safety precautions

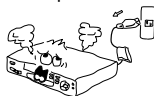
Warning

To avoid electrical shock, do not open the cabinet, refer servicing to qualified personnel only.



Attention

If smoke, malodour or unrelated noise are emitted from the unit, turn off the power and disconnect the AC power cord.



Warning

Keep the unit away from flower vases, tubs, sinks, etc. If liquids are spilled into the unit, serious damage could occur.



Attention

Touching the unit is dangerous especially if during thunder.



Warning

Do not expose this equipment to rain or moisture.



Attention

When left unused for a long period of time, the unit should be unplugged from the household AC outlet.



Warning

Do not block ventilation holes of the unit so that air can circulate freely,



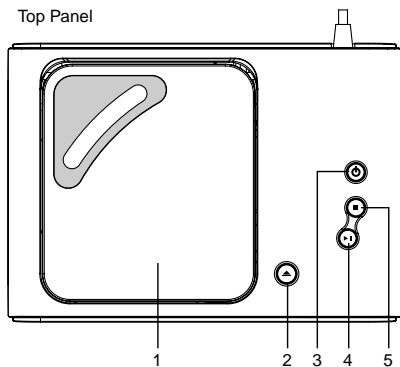
Attention

Be sure to turn the unit off and disconnect the AC power cord before cleaning the unit surface. If the surface is dirty, wipe clean with a cloth which has been dipped in a weak soap and water solution and wrung out thoroughly, and then wipe again with a dry cloth.



Note: This unit is a class 1 laser product and uses a visible laser beam which could cause hazardous radiation exposure if directed. Be sure to operate it correctly as instructed.

Location of Control

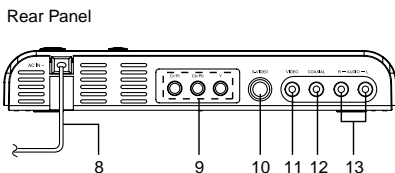


Top Panel

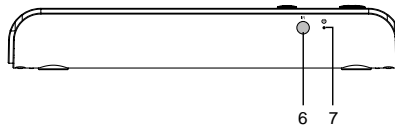
1. Disc Compartment Door
2. Open/Close Button
3. Standby/On Button
4. Play/Pause Button
5. Stop Button

Front Panel

6. Remote Sensor
7. LED Indicator
Green - Play mode
Red - Standby mode



Front Panel



Rear Panel

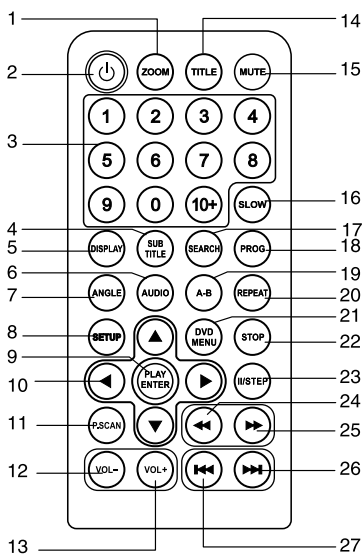
8. AC Power Cord
9. Y, Cb/Pb, Cr/Pr output
10. S-Video output
11. Video output (composite)
12. Digital Audio output (coaxial)
13. Analog Audio output

Battery installation (remote control unit)

1. Remove the battery cover.
2. Insert two 'AAA' batteries (not included) making sure the polarity (+/-) matches the marks inside the unit.
3. Replace the cover.
 - Do not attempt to recharge, short-circuit, disassemble, heat or throw the batteries into the fire.
 - Do not mix old and new batteries.
 - Dispose of properly in accordance with local law.
 - Do not mix different type of batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.

Note : Weak batteries can leak and severely damage the remote control unit.

Remote Control Unit



1. Zoom Button
2. Standby Button
3. Numeric Buttons
4. Subtitle Button
5. Display Button
6. Audio Button
7. Angle Button
8. Setup Button
9. Play / Enter Button
10. Direction Buttons
(Up ▲ / Down ▼ / Left ◀ / Right ▶)
11. P. Scan Button
12. Volume – Button
13. Volume + Button
14. Title Button
15. Mute Button
16. Slow Button
17. Search Button
18. Program Button
19. Repeat A-B Button
20. Repeat Button
21. DVD Menu Button
22. Stop Button
23. Pause/Step Button
24. Fast Backward Button
25. Fast Forward Button
26. Next Button
27. Previous Button

* Press STANDBY/ON button when DVD player is on, the DVD player will switch to standby mode, LED will turn to red.

Connect To TV

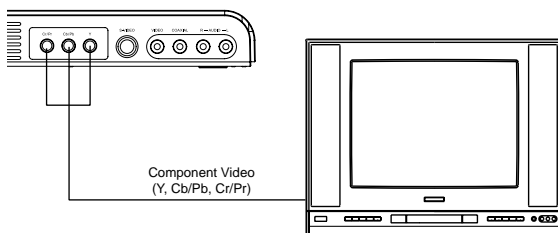
Caution : Turn off all the equipment before any installation.

This unit provides several types of video and audio signals output. They are :

- Y, Cb/Pb, Cr/Pr output
- RCA output
- S-Video output

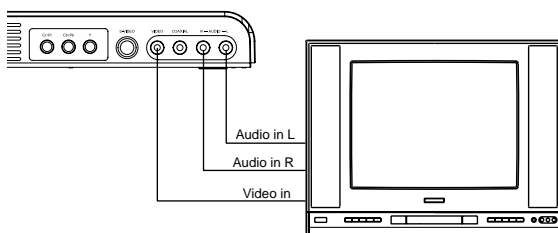
User can choose a suitable connection type to connect the player to TV.

1. Y, Cb/Pb, Cr/Pr output

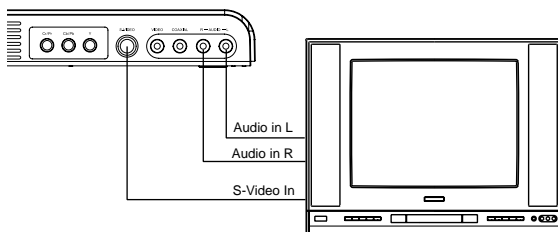


2. Connection via Composite (RCA) Cable

In this type of connection, we have to connect the Left/Right Audio Cables (Red and White) and a Video signal (Yellow).

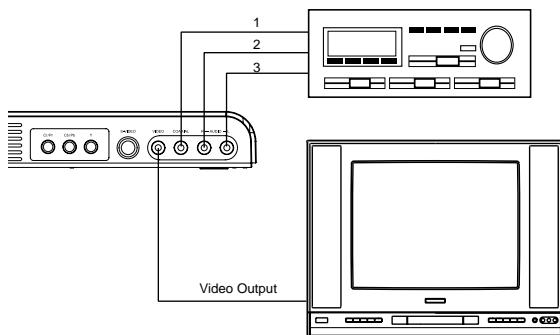


3. Connection via S-Video Cable



Connection to Amplifier

There are two different types of connection between the DVD player and an amplifier.



- Digital output via Coaxial Cable (Connection 1).
- 2 channels (left/right) Audio Output (connection 2-3)

Note:

1. The Digital output cut off, when Analog output was selected.
2. The Analog output cut off, when Digital output was selected.

Operation

TV Selection

Turn on the TV, the DVD player and the Audio Amplifier System (if any).

1. Press the "TV/VIDEO" button on the TV.
2. Select the Video Mode (TV).

Note: If there are more than 1 AV channel for the TV, select the channel you have connected to the DVD player.

3. Select the Correct Audio Input on the AV Amplifier (if any).

1. LANGUAGE SETUP MENU

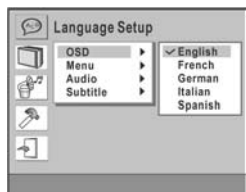
In stop mode press SETUP button and highlight languages setup then press ENTER button to confirm.



• OSD

Press direction ▲ / ▼ button to highlight the OSD and press ENTER button, then press the direction ▲ / ▼ button to select the desired OSD language.

- English
- French
- German
- Italian
- Spanish
- Portuguese



• MENU

Press direction ▲ / ▼ button to highlight the MENU and press the ENTER button, then press the direction ▲ / ▼ button to select the desired MENU language.

- English
- French
- German
- Italian
- Spanish
- Portuguese

• AUDIO

Press direction ▲ / ▼ button to highlight the AUDIO and press the ENTER button, then press the direction ▲ / ▼ button to select the desired AUDIO language.

- English
- French
- German
- Italian
- Spanish
- Portuguese

- **SUBTITLE**

Press direction ▲ / ▼ button to highlight the SUBTITLE and press the ENTER button, then press the direction ▲ / ▼ button to select the desired SUBTITLE language.

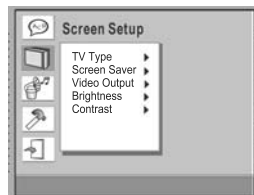
- English
- French
- German
- Italian
- Spanish
- Portuguese

2. SCREEN SETUP MENU

In stop mode press SETUP button and highlight SCREEN setup then press ENTER button to confirm.

To select the desired item by use the direction ▲ / ▼ , ◀ / ▶ button.

- **TV TYPE:** 4:3 PS (Pan Scan)
4:3 LB (Letter Box)
16:9 (wide screen)
- **SCREEN SAVER:** ON
OFF
- **VIDEO OUTPUT:** S-Video
CVBS + YUV
YUVP - SCAN
- **BRIGHTNESS:** NORMAL
BRIGHT
SOFT
- **CONTRAST:** -4
-3
-2
-1
0
+1
+2
+3
+4



3. AUDIO SETUP MENU

In stop mode press SETUP button and highlight AUDIO setup then press ENTER button to confirm.

To select the desired item by use the direction ▲ / ▼ , ◀ / ▶ button.

DIGITAL OUT: SPDIF/PCM
SPDIF/RAW

4. CUSTOM SETUP

In stop mode press SETUP button and highlight CUSTOM setup then press ENTER button to confirm. To select the desired item by use the direction ▲ / ▼ , ◀ / ▶ button.

- **ANGLE MARK:** ON
OFF

"ANGLE MARK", there are "ON" and "OFF" two choice for this item. If in the "ON" mode, when play a disc which the content is multi-angle shot, you may press the ANGLE button on the remote control to enjoy the scene in different angles.

- **DEFAULT: READ**

This setting is used to return the unit back to the factory default settings. Select DEFAULT, then press ENTER and when the menu switches to "READ" press ENTER again. To exit without making the changes use the ◀ button to back out of the menu.

DVD Menu Play

This function is only available when playing a DVD movie and is used to access Casting Information, Production History, Special Features.

1. When a DVD is playing, press the DVD MENU button on the remote control to enter the DVD Root Menu.
2. Use the Direction button (◀ / ▲ / ▶ / ▼) to select the required item from the list presented.
3. Press ENTER to confirm and start the selection.

Other Functions

Audio

This function is applicable for DVD only.

- Pressing AUDIO button will change the Audio channel between those available on the DVD.

REW / F.F. (◀◀ / ▶▶)

This function is applicable for DVD and CD audio but with different effects. The FAST FORWARD key and FAST BACKWARD key are used to achieve fast play function.

- For DVD, there are 5 different levels of speed (2x, 4x, 8x, 16x, 32x). Every successive key press will increment the speed of quick play.
- For CD audio, the FORWARD/BACKWARD will perform quick rolling on the music output.

Note : Press PLAY button at any stage will resume to normal speed.

PREV. / NEXT (◀◀◀ / ▶▶▶)

During playback, press one of the PREV. / NEXT buttons (PREVIOUS button and NEXT button)

- When the PREV. button is pressed once, the pickup returns to the beginning of the PREVIOUS playing chapter or track.
- When the NEXT button is pressed once, the pickup will go to the beginning of next chapter or track.

P. SCAN (PROGRESSIVE SCAN)

Press this button to enter to the P-SCAN mode. Press this button again switch back to normal interface mode.

Note : To select P-SCAN mode, the P-SCAN output must be connect to a P-SCAN TV, otherwise the picture will be unstable and picture will disappear.

Slow

The Slow Forward is applicable for DVD. There are 5 steps of slow motion speed, 1/2, 1/4, 1/8, 1/16, 1/32. Successive key presses will decrement the playback speed.

Note: Press PLAY button to switch back to normal playback speed.

Repeat Mode

This function is available for DVD and CD audio but with different effects.

- For DVD disc playback, the user can choose to repeat the current chapter, current title or disc. Each subsequent key press of the REPEAT key can change between these three options.
- For CD, user can choose to repeat the current track or the whole disc (Repeat All). Each subsequent key press of the REPEAT key can change between these two options.

Repeat A – B

The user can specify the repeating interval by marking the starting point and the end point.

1. Press the REPEAT A-B button to mark the starting point (Playback will continue).
2. Press the REPEAT A-B button to mark the end point (The marked part will be repeated automatically).

Note : Pressing the REPEAT A-B button during repetition will disable the Repeat mode.

Subtitle

This function is only applicable for DVD disc. It can change the subtitle language shown on the screen.

Note : The number of subtitles available depends on the information recorded on the DVD disc itself.

Angle

Some discs may have multiple viewing angles during production. Use the ANGLE button to select the viewing angle shown on the screen.

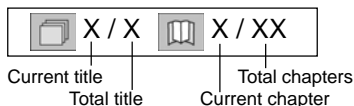
Note : The number of Angle of View depends on the information recorded on the DVD disc.

Search

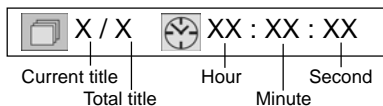
The user can access a specific location or a specific track by keying in the target time or the track number.

1. Press the SEARCH button to enter the Search Mode.
2. Use the Direction buttons to enter the desired "Title", or "Chapter" data then press the ENTER button to jump to the required location.
3. Press the SEARCH button twice and enter the required time using the NUMERIC buttons IN ORDER. (To enter 1 hour, 25 mins and 45 seconds enter the numbers as 1, 25, 45.) then press ENTER to jump.

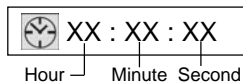
- Pressing the SEARCH button ONCE



- Pressing the SEARCH button TWICE



• For CD Mode



Display

Pressing this button will show the time and status information on the screen. Pressing a second time will present additional information on the current settings. Press third time to cancel.

Resume Play

This function is in playback mode. When the STOP button is pressed once, the player will enter the Resume Play mode. At this time, if the PLAY button is pressed, the player will resume playback at the location where the STOP button was pressed. If the STOP button is pressed a second time, resume mode cancels and the DVD stops completely.

Zoom

This function will enlarge or reduce a still picture or a moving picture by pressing the ZOOM button to select one of the 2 levels of zooming (2x and 4x).

NOTE: Use the Direction button (◀ ▲ ◀ ▼) to navigate within the image.

Program Mode

This function is to allow programming of a track/chapter/title playback sequence according to your preference.

FOR DVD

PROGRAM	Title	Chapter
1. ---	01	01
2. ---	02	02
3. ---	03	03
4. ---	04	04
5. ---	05	05

FOR CD

PROGRAM	Track
1. 02	01
2. --	02
3. --	03
4. --	04
5. --	05

1. Press the PROGRAM button. the Program Sequence table will be shown on the screen.
2. Enter the desired track number according to your preference using the Number keys (0-9).
3. When the programming is completed, press PLAY button on the remote control to start program play.

Picture CD

Load a picture CD into the tray. This player will only identify the disk and display files in the jpg format. If the disc type can be identified, the player will start showing the pictures one by one (Slide Show Mode).

Operations:

During Slide Show Mode:

- Press the STOP button to shift to the Digest Mode in which 1 to 20 pictures will be shown on the screen each time.

Note: Some disc may not shift to digest mode, it depends on the disc format.

- Press the PAUSE button to freeze the screen, so that the current picture can be held for a long time. To resume the slide show mode, press PLAY button.
- Press the NEXT button on the remote control to skip the next picture.
- Press the PREVIOUS button on the remote control to return previous picture.

TROUBLE SHOOTING

Check the following guide for the possible cause of a problem before contacting service.

Symptom	Cause	Correction
No Power	<ul style="list-style-type: none"> The power cord is disconnected. 	<ul style="list-style-type: none"> Plug the power cord into the wall outlet and unit securely.
The power is on, but DVD player does not work	<ul style="list-style-type: none"> No disc is inserted. 	<ul style="list-style-type: none"> Insert a disc. (Check that the DVD or audio CD indicator in the DVD display is lit.)
No Picture	<ul style="list-style-type: none"> The TV is not set to receive DVD signal output. 	<ul style="list-style-type: none"> Select the appropriate video input mode on the TV so the picture from the DVD player appears on the TV screen.
	<ul style="list-style-type: none"> The video cable is not connected securely. 	<ul style="list-style-type: none"> Connect the video cable into the jacks securely.
	<ul style="list-style-type: none"> The connected TV power is turned off. 	<ul style="list-style-type: none"> Turn on the TV.
No Sound	<ul style="list-style-type: none"> The equipment connected with the audio cable is not set to receive DVD signal output. 	<ul style="list-style-type: none"> Select the correct input mode of the audio receiver so you can listen to the sound from the DVD player.
	<ul style="list-style-type: none"> The audio cable is not connected securely. 	<ul style="list-style-type: none"> Connect the audio cable into the jacks securely.
	<ul style="list-style-type: none"> The power of the equipment connected with the audio cable is turned off. 	<ul style="list-style-type: none"> Turn on the equipment connected with the audio cable.
	<ul style="list-style-type: none"> The Digital Audio Output is set to the wrong position. 	<ul style="list-style-type: none"> Set the Digital audio Output to the correct position, then turn on the DVD player again by pressing the POWER button.
The playback picture is poor	<ul style="list-style-type: none"> The disc is dirty. 	<ul style="list-style-type: none"> Clean the disc.
The DVD player does not start playback	<ul style="list-style-type: none"> No disc is inserted. 	<ul style="list-style-type: none"> Insert a disc
	<ul style="list-style-type: none"> An unplayable disc is inserted. 	<ul style="list-style-type: none"> Insert a playable disc. (Check the disc type, color system and Regional code.)
	<ul style="list-style-type: none"> The disc is placed upside down. 	<ul style="list-style-type: none"> Place the disc with the playback side down.
	<ul style="list-style-type: none"> The disc is not placed with the guide. 	<ul style="list-style-type: none"> Place the disc on the disc tray correctly inside the guide.
	<ul style="list-style-type: none"> The disc is dirty. 	<ul style="list-style-type: none"> Clean the disc.
	<ul style="list-style-type: none"> A menu is on the TV screen. 	<ul style="list-style-type: none"> Press the SET UP button to turn off the menu screen.
The Remote Control does not work properly	<ul style="list-style-type: none"> The remote control is not pointed at the remote sensor of the DVD player. 	<ul style="list-style-type: none"> Point the remote control at the remote sensor of the DVD player.
	<ul style="list-style-type: none"> The remote control is too far from the DVD player. 	<ul style="list-style-type: none"> Operate the remote control within about 23ft (7m).
	<ul style="list-style-type: none"> There is an obstacle in the path of the remote control and the DVD player. 	<ul style="list-style-type: none"> Remove the obstacle.
	<ul style="list-style-type: none"> The batteries in the remote control are exhausted. 	<ul style="list-style-type: none"> Replace the batteries with new ones.

SPECIFICATION

GENERAL

Power source	AC120V ~ 60Hz
Power consumption	10W
Weight	780 gm / 1.65 lbs
External dimensions (LxWxH)	244 x 173 x 37 mm / 9.6 x 6.8 x 1.5 inches
Operating conditions	Temperature: 5°C to 35°C
Operation status	Horizontal
Operating humidity	5% to 90%

CD/DVD

Laser	Semiconductor laser, wavelength 650nm
Signal system	NTSC
Frequency response (audio)	4Hz to 20 KHz
Signal to noise ratio (audio)	More than 90dB (1KHz, NOP, 20KHz LPF/A-Filter)
Dynamic range (audio)	More than 95dB
Harmonic distortion (audio)	0.2% (1KHz)

VIDEO

Video output	1.0V (p-p), 75 ohm, negative sync., RCA jack
S-Video output	(Y) 1.0V (p-p), negative sync., Mini DIN 4-pin x 1 (C) 0.3V (p-p), 75 ohm
Component video (Y, Pb/Cb, Pr/Cr)	(Y) 0.7V (p-p), negative sync. RCA jack (Pb/Cb) 0.7V (p-p), 75 ohm (Pr/Cr) 0.7V (p-p), 75 ohm

* Design and specification are subject to change without notice.

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