MOBILE DVD PLAYER
WITH BUILT IN TV TUNER

SDVD180T

SOUND STORM®
LABORATORIES

FEATURES

Compatible with PAL DVD (Video CD) and NTSC DVD (Video CD)
This player can play discs recorded in either PAL or NTSC format.

- A single LSI chip now integrates all major DVD playback circuit functions including MPEG2 decoder, video D/A converter, and audio decoders.

- L/R stereo analog audio outputs for connection to existing head unit aux inputs. Video output is composite video.

- Supplied remote handles multi-function software (multi-language audio-track/subtitle, multi-angle,multi-story, etc.), plus all basic functions.

Built In TV Tuner
- PLL Tuning System
- I^{2}C Bus Control

USE THIS PRODUCT SAFELY
Do not expose the product to water or excessive moisture. This could cause electrical shorts, fire or other damage.

When Driving
Keep the volume level low enough to be aware of road and traffic conditions.

When Parked
Parking in direct sunlight can produce very high temperatures inside your vehicle. Give the interior a chance to cool down before starting playback.

Use the Proper Power Supply
This product is designed to operate with a 12 volt DC, negative ground battery system (the regular system in a North American car).

Protect the Disc Mechanism
Avoid inserting any foreign objects into the slot of this player.
Failure to observe this may cause malfunction due to the precise mechanism of this unit.

Use Authorized Service Centers
Do not attempt to disassemble or adjust this precision product. Please refer to the Service Center list included with this product for service assistance.

For Installation
The unit should be installed in a horizontal position with the front end up at a convenient angle, but not more than 30˚.

CONTENTS

SAFETY INFORMATION

CAUTION:
MOBILE DVD PLAYER IS A CLASS I
LASER PRODUCT. HOWEVER THIS
MOBILE DVD PLAYER USES A
VISIBLE/INVISIBLE LASER BEAM
WHICH COULD CAUSE HAZARDOUS
RADIATION EXPOSURE IF DIRECTED.
BE SURE TO OPERATE THE MOBILE
DVD PLAYER CORRECTLY AS
INSTRUCTED.
USE OF CONTROLS OR
ADJUSTMENTS OR PERFORMANCE OF
PROCEDURES OTHER THAN THOSE
SPECIFIED HEREIN MAY RESULT IN
HAZARDOUS RADIATION EXPOSURE.
DO NOT OPEN COVERS AND - DO NOT
REPAIR YOURSELF. REFER SERVICING
TO QUALIFIED PERSONNEL.

WARNING:
• TO REDUCE THE RISK OF FIRE OR
  ELECTRIC SHOCK, DO NOT EXPOSE
  THIS EQUIPMENT TO RAIN OR
  MOISTURE.
• TO REDUCE THE RISK OF FIRE OR
  ELECTRIC SHOCK, AND ANNOYING
  INTERFERENCE, USE ONLY THE
  RECOMMENDED ACCESSORIES.
• THIS DEVICE IS INTENDED FOR
  CONTINUOUS OPERATION.

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.

Region Management Information
Region Management Information:
This Mobile 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
Mobile DVD Player, this Mobile DVD
Player cannot play this disc.

DISC NOTES

Disc formats supported by this player

DVD
12 cm disc

Video CD
12 cm disc

CD
12 cm disc

MP3
12 cm disc

Discs which cannot be played with this player
• DVD-ROM
• DVD-RAM
• CDV
• CD-G

Handling and Cleaning
• Dirt, dust, scratches and warping disc will cause misoperation.
• Do not place stickers or make scratches on discs.
• Do not warp discs.
• A disc should always be kept in its case when not in use to prevent from damage.
• Do not place discs in the following places:
  1. Direct sunlight
  2. Dirty, dusty and damp areas
  3. Near car heaters
 4. On the seats or dashboard

Disc Cleaning
Use a dry soft cloth to wipe the surface. If the disc is quite dirty, use a soft cloth slightly moistured with isopropyl (rubbing) alcohol. Never use solvents such as benzine, thinner or conventional record cleaners as they may mar the surface of the disc.

Note:
A disc may become somewhat scratched (although not enough to make it unusable) depending on your handling and conditions in the usage environment.

Note these scratches are not an indication of any problem with the player.
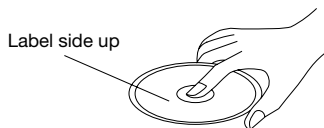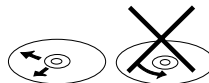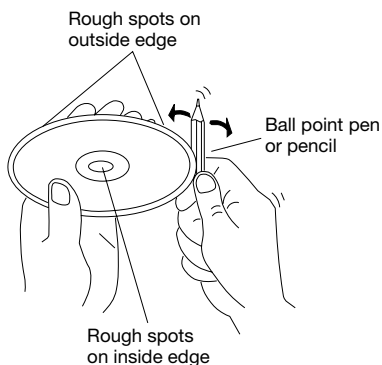
Label side up

Do not touch the underside of the disc

Do not bend

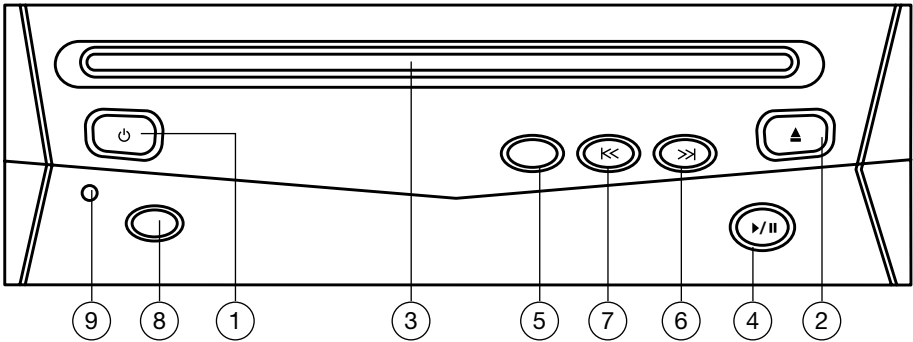Wipe the disc from center toward the outside edge

Preparing New Discs with Rough Spots
A new disc may have rough edges on its inside and outside edges. If a disc with rough edges is used, the proper setting will not be performed and the player will not play the disc. Therefore, remove the rough edges in advance by using a ball point pen or pencil as shown on the right. To remove the rough edges, press the side of the pen or pencil against the inside and outside edges of the disc.
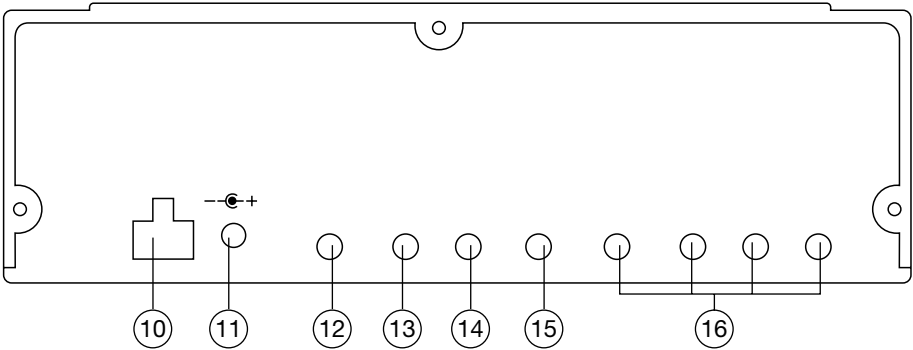
Rough spots on outside edge

Ball point pen or pencil

Rough spots on inside edge

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THE PLAYER

FRONT VIEW

1. POWER (⏻)
2. EJECT (⏏)
3. Disc Slot
4. ▶/Ⅱ (PLAY/PAUSE)
5. MODE / TV SEARCH

6. ⏭ /CH+
7. ⏮ /CH-
8. REMOTE
9. Reset button

BACK VIEW

10. DC 12V IN Socket
11. DC 12V OUT Socket
12. REMOTE Socket
13. DIGITAL AUDIO

14. AUDIO OUTPUT L/R
15. VIDEO OUTPUT
16. DIVERSITY ANTENNA

INSTALLATION

This unit is designed for home-use and car-use. When installed on the car, please follow the installation instruction below.

SCREW
M5x25

SCREWS LOCK THE DVD MECHANISM

SCREW
M4x5
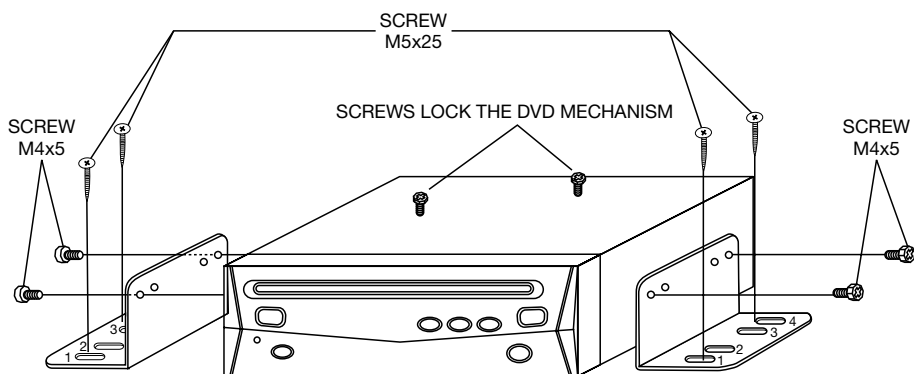
SCREW
M4x5

Note:
1. First remove the two screws that lock the DVD mechanism, then attach the brackets on both sides of unit with screws (M4x5), last install the unit with screws (M5x25).
2. When fix the unit, you can slide the screw (M5x25) to left side or right side to meet your needed position. In the figure above, select two holes among positions that marked 1, 2, 3 and 4 to fix the bracket.
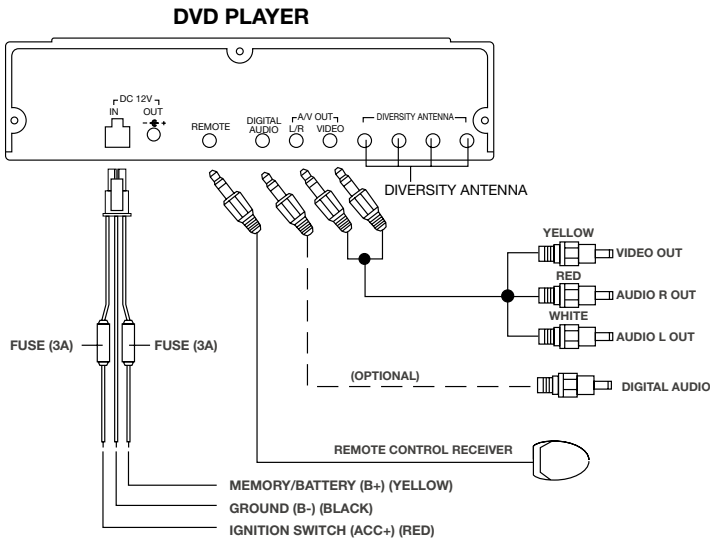
ELECTRIC CONNECTION

METHOD A
Use the conversion cable to obtain DC 12V power supply input through the AC/DC ADAPTER or the cigarette lighter according to the figure below:
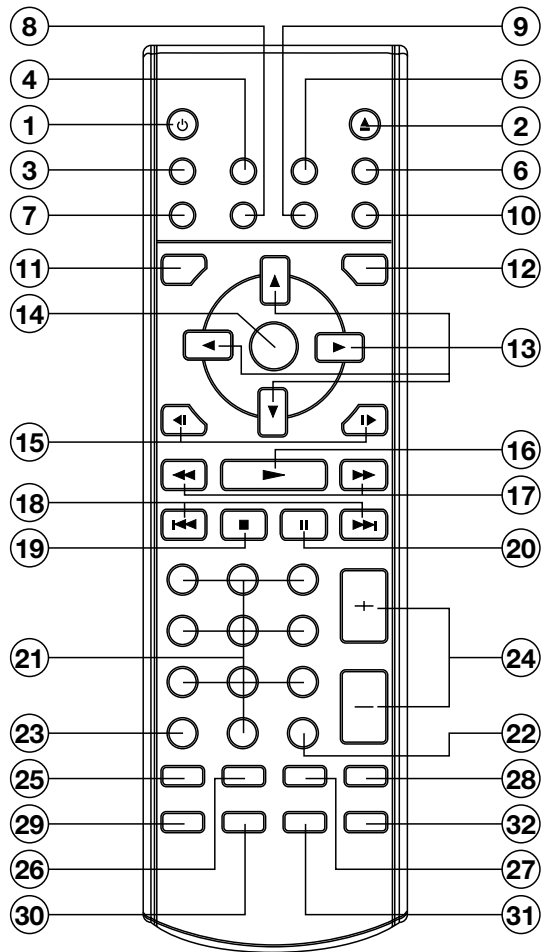
DVD PLAYER
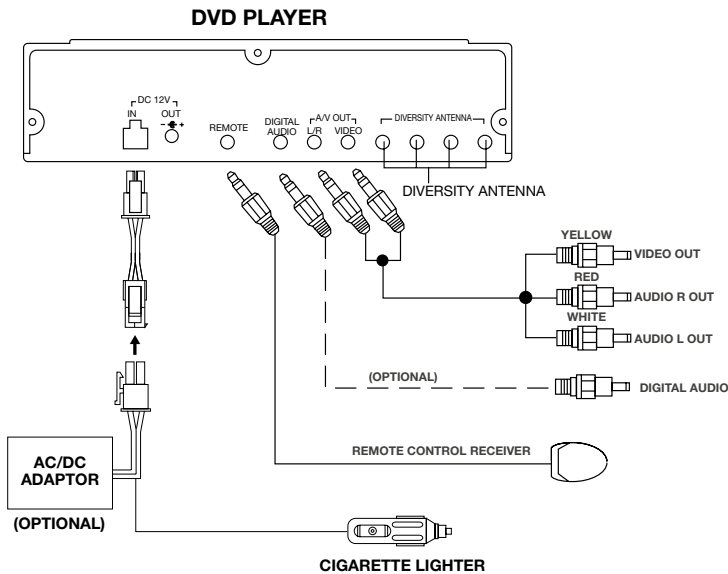
METHOD B
According to the figure below, install the unit in the car and obtain DC 12V power supply input.

DVD PLAYER

REMOTE CONTROL

LOCATION AND FUNCTION OF KEYS

REMOTE CONTROL

1.	⏻ POWER	Press POWER to turn the unit ON or OFF.
2.	EJECT	Press to eject the disc.
3.	MUTE	Press to mute the sound.
4.	SUBTITLE	Changing of the SUBTITLE language on multi-subtitle language DVD disc.
5.	ANGLE	Changing of the view angle on multi-angle DVD disc.
6.	CONSOLE	Display statistical disc information during playback.
7.	MODE	Changing between DVD mode, TV mode.
8.	SETUP	Display the SETUP menu.
9.	PAL/NTSC	Switch between PAL mode, NTSC mode and AUTO mode.
10.	AUDIO	Changing of the AUDIO soundtrack on multi-audio soundtrack DVD disc. Changing of the sound mode of the VCD/CD discs.
11.	TITLE	Display the TITLE menu that is stored in DVD disc.
12.	MENU	Display the root menu that is stored on the DVD disc. In TV mode, press it to enter into search state, then pressing ▶▶ button to start searching TV channels.
13.	◀ / ▶, ▲ / ▼	In case of MENU mode, ◀ / ▶, ▲ / ▼ buttons served as cursor buttons to select item left/right, ahead/back.
14.	ENTER	Confirm the Track/Chapter selected with the numeric buttons or selected with the cursor buttons on TV screen.
15.	I▶ / ◀I	Changing for slow forward/ reverse playback motion.
16.	▶	Press to play the disc.
17.	◀◀ / ▶▶	Press ▶▶ to search forward rapidly & ◀◀ to search reverse rapidly.
18.	▶▶I (CH+)/ I◀◀ (CH-)	Press ▶▶I to skip to the next track & press I◀◀ to skip back one track. In TV mode, press ▶▶I (CH+) button or I◀◀ (CH-) button to choose channel upward or downward.
19.	■	Press it once to pre-stop playback; press it twice to stop playback.
20.	II	Press it for the first time to pause playback. Press it again to stop at the next picture (step function for DVD/VCD/SVCD).
21.	0-9	Numeric buttons
22.	3D (-/--)	In TV mode, Digital select button, cooperatively used with numeric buttons. During disc playback, press it to select normal or 3D surround effect mode.
23.	CLEAR	When you input a number in error, press the button to clear it.
24.	VOLUME+/-	Press VOLUME+/- button to increase or decrease the volume level.
25.	ZOOM	Allows the picture to be increased in size.
26.	BOOKMK	During playback, press to enter bookmark function.
27.	GOTO	Press to select the bookmark that you set.
28.	PBC	Changing between PBC ON and PBC OFF on the VCD disc.
29.	RANDOM	Allows the track played in random order.
30.	PROGRAM	Allows the track played in the order you programmed.
31.	REPEAT	Switch the Repeat mode of discs.
32.	A-B	A-B repeat allows a passage to be repeated continuously.

REMOTE CONTROL

Preparing the Remote Control

Inserting the Batteries
1. Open the battery compartment cover.
2. Insert the new batteries. Make sure that the positive and negative terminals of the batteries are oriented as indicated.
3. Close the cover
   Battery: Two AAA size battery.

Using the Remote Control
Face the remote control towards the front face **REMOTE** mark (remote control signal receiver).
Operation angle: About ± 30 degree in each direction of the front of the REMOTE mark.

GENERAL OPERATION

TURN THE UNIT ON
After all connections are completed correctly, press the ⏻ (**POWER**) on the front panel or ⏻ (**POWER**) on the remote control to turn on the power. When the unit is on, it will search the disc automatically. If there is a disc in the disc slot, the unit will start playback automatically. Besides this, you should turn on the monitor thats connected to the player.

Standby State
1) When the unit is on, press ⏻ (**POWER**) on the front panel or ⏻ (**POWER**) on the remote control to turn the unit off temporarily, in order to stop the playback in a short time and the unit goes into standby state.
2) In standby state, press ⏻ (**POWER**) on the front panel or ⏻ (**POWER**) on the remote control again to recall playback. For disc playback, it can realize memory play function.

Note: The unit has screen saver function (select "ON" in Screen Saver setup). If the playback is stopped and there is no function operation in 5 minutes, it will activate the screen saver function automatically; when any function for DVD player is activated, the screen saver function will release automatically.

Remote Sensor (REMOTE)
Point the remote handset to the remote sensor **REMOTE** on the front panel. Receive the signal from remote handset.

Loading a Disc
1. Insert the disc with printed side facing up into the disc slot.
2. The player will start playback automatically.

Disc Slot   EJECT Button
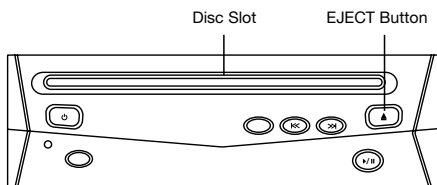
Ejecting a Disc
Press ⏏ (EJECT) button on the front panel or on the remote control to eject the disc.

BASIC PLAY
Stopping Playback
- Briefly press ■ (Stop) button to pre-stop the unit playback, when ▶/‖ button on the front panel or ▶ (Play) button on the remote control is pressed, normal playback will continue.
- Press ■ (Stop) button twice to stop the playback and go back to DVD LOGO.

Pausing Play/Step Play
Pressing ‖ on the remote control for the first time or presing ▶/‖ on the front panel during playback will stop playback temporarily. To return to normal playback, press ▶ on the remote control or ▶/‖ on the front panel.
If you play a DVD/VCD/SVCD, press ‖ on the remote control again to stop at the next picture (step function). If you play a CD/MP3/Picture CD, pressing ‖ on the remote control again is ineffective.

Fast Forward/Fast Reverse
Press ▶▶ & ◀◀ during playback. Each time the button is pressed, the speed of fast forward/reverse changes according to the disc as follow.

DVD:
┌ Normal Playback → X2 → X4 → X16 → X100 ┐

VCD/CD/MP3:
┌ Normal Playback → X2 → X4 → X8 ┐

Slow Motion Playback (For DVD Only)
Press I▶ / ◀I during play.
Each time the button is pressed, the speed of slow forward/reverse changes according to the disc as follow.
DVD:
┌ X1/32 → X1/16 → X1/8 → x1/4 → x1/2 ┐

In slow motion state, press ▶ on the remote control to recover normal playback.

Skipping Track
Press ▶▶I / I◀◀ buttons on the remote control or ≪ / ≫I on the front panel during playback.
Press ▶▶I or ≫I to skip to the next track, and press I◀◀ or ≪ to skip to the previous track.
Note: For some VCD2.0 discs (PBC-playback control), ▶▶I / I◀◀ and ≪ / ≫I buttons may be unavailable.

GENERAL OPERATION

Mute
Press **MUTE** button to mute the sound, but the disc continues playing. Press **MUTE** again or press volume up/down buttons, sound will resume.

Volume Level Adjustment
Press **VOLUME +/-** on the remote control to increase or decrease the volume level.

DVD VIDEO MENU PLAY
When playing a DVD disc in the DVD player:
1) The disc will be played automatically and stop at menu picture.
2) Use ◄ / ► , ▲ / ▼ cursor buttons to move between the highlight bars in the menu.
3) Press **ENTER** button to confirm the selected item.

MODE SELECTION
Press **MODE** button on the remote control or press **MODE** button on the front panel shortly to select among DVD, TV mode.

RESET FUNCTION
Reset button is placed on the front panel and must be activated with either a ballpoint pen or thin metal object. The reset button is to be activated for the following reasons:
- Initial installation of the unit when all wiring is completed.
- All the function buttons do not operate.
- Error symbol on the display.

LAST PLAY MEMORY
- During disc playback, if you press ⏻ (**POWER**) button to turn off the unit and then press the button again to turn on the unit, the DVD unit will resume playing from the point that it was interrupted.

- During disc playback, press ⏏ (EJECT) button to eject the disc then load the disc into the slot again , the unit will resume playing from the point that it was interrupted.

- During disc playback, if you press **MODE** button to switch to TV mode, then return to DVD mode again, the unit will resume playing from the point that it was interrupted.

ADVANCED OPERATION

REPEAT PLAY/ PARAGRAPH REPEAT PLAY

Repeat play: when you want to repeat playing the whole disc or a track or a chapter in the disc.
1) Press **REPEAT** button repeatedly to select different repeat modes.
2) For different kinds of discs, pressing **REPEAT** button has different effects.

DVD	VCD/SVCD CD/MP3/ WMA
🔁 Chapter	🔁 Track
🔁 Title	🔁 All
🔁 Off	🔁 Off
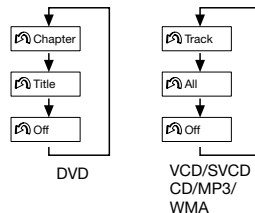
Note: REPEAT feature does not support VCD2.0 (with PBC ON).

Paragraph Repeat Play: when you want to repeat playing a desired paragraph.
A-B repeat allows a passage to be repeated continuously.
1) Press **A-B** button first at the start of the required passage.

🔁   A -
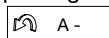
2) Press **A-B** button secondly at the end of the passage.

🔁   A - B
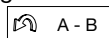
3) Then the unit will repeat playing the passage you just set from A to B.
4) To revert to normal playing, press **A-B** button again.

🔁   Off
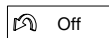
PBC MENU PLAYBACK OF VCD/SVCD
For some VCD or SVCD disc, there is a menu in order to select the desired contents. This menu is called PBC (Playback Control) menu.
Press **PBC** button on the remote control to change between PBC ON and PBC OFF on the disc.
In PBC ON mode, REPEAT, RANDOM, BOOKMARK, A-B, PROGRAM and GOTO functions are unavailable.

ADVANCED OPERATION

ON-SCREEN DISPLAY FUNCTION

Press the **CONSOLE** button during playback to display the console information of the current disc on the screen.

For DVD:

```
┌─────────────────────────────┐
│  ⓒ   ◄  1/17  ►             │
│  📷     2/32                 │
│  ⓒ     0:01:45              │
│  ⓒ    1.ENG                 │
│        D                     │
│        3/2.1                 │
│  📺    OFF                   │
│  🎥    1/1                   │
│  🔊    Normal                │
│  Sound                       │
│  ▲ Move   ◄► Select          │
└─────────────────────────────┘
```

1)   ⓒ   ◄ 1/17 ►
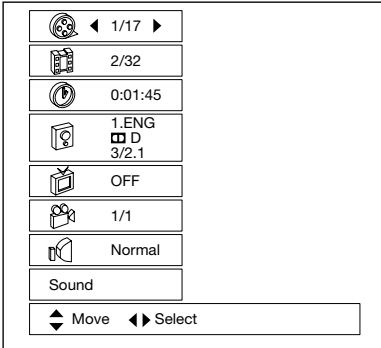
Item: Title
Function: Display the current title number and the total title number; it can skip to the desired title number.
Method: ◄ / ► buttons or use numeric buttons to input and confirm with **ENTER** button.

2)   📷   2/32

Item: Chapter
Function: Display the current chapter number and the total chapter number; it can skip to the desired chapter number.
Method: ◄ / ► buttons or use numeric buttons to input and confirm with **ENTER** button.

3)   ⓒ   0:01:45

Item: Time
Function: Display the title play time/title remain time/chapter play time/chapter remain time; you can input the time directly to the skip to the corresponding playback point.
Method: Use ◄ / ► buttons to display title play time, title remain time, chapter play time or

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chapter remain time.
Press **ENTER**, "-:--:--" appears, then use numeric buttons to input time and confirm with **ENTER** button.

4)   ⓒ   1.ENG
             D
             3/2.1

Item: Audio
Function: Display the current audio soundtrack language and digital audio output; it can switch to other audio soundtrack language and digital audio output.
Method: ◄ / ► buttons or press **AUDIO** button.

5)   📺   OFF

Item: Subtitle
Function: Display the current subtitle language; it can switch to other subtitle language.
Method: ◄ / ► buttons or press **SUBTITLE** button.

6)   🎥   1/1
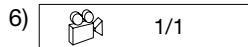
Item: Angle
Function: Display the current angle; it can switch to other angle.
Method: ◄ / ► buttons or press **ANGLE** button.
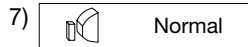
7)   🔊   Normal

Item: Sound
Function: Display the current sound mode; it can switch between normal and 3D surround effect mode.
Method: ◄ / ► buttons or 3D button.

For VCD:

```
┌─────────────────────────────┐
│  ⓒ      PBC                 │
│  ⓒ      0:01:45             │
│  ⓒ      Stereo              │
│  🔊      Normal              │
│  Sound                       │
│  ▲ Move     ◄► Select        │
└─────────────────────────────┘
```

ADVANCED OPERATION

1)
| 🎞 | PBC |

Item: Track
Function: When it is in PBC ON mode, it display "PBC" (only display, can't be changed); when it is in PBC OFF mode, it will display the current track number and total track number (such as "1/16") and it can skip to the desired track number.
Method: When in PBC OFF, press◄ / ► buttons or use numeric buttons to input and confirm with **ENTER** button.

2)
| 🕐 | 0:01:45 |

Item: Time
Function: Display the disc play time/disc remain time/track play time/track remain time; you can input the time directly to skip to the corresponding playback point.
Method: Use ◄ / ► buttons to display disc play time, disc remain time, track play time or track remain time.
In PBC OFF mode, press **ENTER**, "-:--:--" appears, then press use numeric buttons to input time and confirm with **ENTER** button.

3)
| 📻 | Stereo |

Item: Audio
Function: Display the current audio mode; it can switch to other audio mode.
Method: ◄ / ► buttons or press **AUDIO** button.

4)
| 🔊 | Normal |

Item: Sound
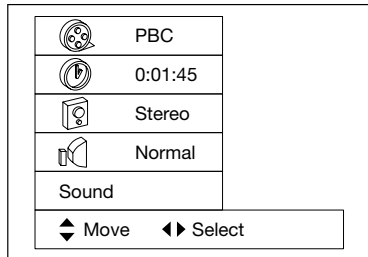Function: Display the current sound mode; it can switch between normal and 3D surround effect mode.
Method: ◄ / ► buttons or **3D** button.

PAL/NTSC SYSTEM SELECTION

Press the **PAL/NTSC** button to switch between PAL, NTSC and AUTO modes.
Note: The function is only effective when the LOGO is shown. That is to say, when there is no disc in the unit, ejecting a disc in stop mode, or pre-stop mode when playing DVD/VCD, pressing PAL/NTSC is effective.

BOOKMARK FUNCTION

During playback, pressing **BOOKMK** button will enter into bookmark function.

1) During playback, when you want to set a bookmark, press **BOOKMK** button, the information will appear:

| 🔖 | #1 : 1/9 |
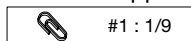
This is to tell you that you have set a bookmark.

2) If you want to watch the section that you just set a bookmark, press **GOTO** button, then press ◄ / ► buttons to move the cursor to the desired number of the bookmark, and press ► or **ENTER** button to confirm.

| 🔍 | 1►2 3 4 5 - - - - |
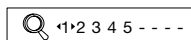
NOTE:
• You can press **BOOKMK** button again to close the search menu on the screen.
• You can press **BOOKMK** button repeatedly to set 9 bookmarks in all. And you can press **CLEAR** button on the remote control to clear the bookmark you have set.

RANDOM PLAYING

Pressing **RANDOM** button during playback will start to play tracks in random order.

Press the button again to revert to normal playback.

Note:

• This function is effective on VCD, SVCD and CD.

• When playing a VCD/SVCD, the random playback is effective with PBC OFF.

ADVANCED OPERATION

ZOOM FUNCTION
When playing DVD, VCD or some data discs which includes picture files, if you want to view some part of the picture clear:

1) Press **ZOOM** button to zoom in the picture 4 times.

2) Press **ZOOM** button again to zoom in the picture 16 times.

3) During zoom mode, pressing ▲ / ▼, ◄ / ► buttons will move pictures up, down, left or right direction in order to find the picture that you want to zoom in.
4) When the sale is 16 times, press **ZOOM** button again to cancel the **ZOOM** function.

SPECIAL FUNCTIONS FOR DVD

Multi-subtitle Language Function
Press **SUBTITLE** during playback. The following information will be shown on the screen.
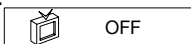
Each time the button is pressed, the subtitle language changes in sequential order.

Notes:
- The language number is different according to the disc.
- Some discs only contain one subtitle language.

Multi-audio Language Function
Press **AUDIO** during playback. The following information will be shown on the screen.
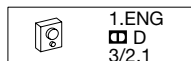
Each time the button is pressed, the audio soundtrack language changes on sequential order.
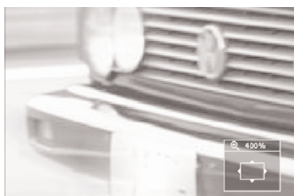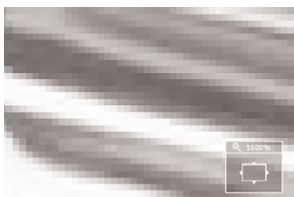Notes:
- The language number is different according to the disc.
- Some discs only contain one soundtrack language.

Multi-angle Function
Press **ANGLE** during playback. The following information will be shown on the screen.
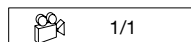
Each time the button is pressed, the angle changes in sequential order.
Notes:
- The angle number is different according to the disc.
- The function only works for discs having scenes recorded at different angles.

FREQUENTLY ASKED QUESTIONS
• When inserting a DVD disc, why it can't be played, just showing "region error"?
It is because that the DVD player and the discs all have the "REGION CODE". If the region number described on the DVD disc does not correspond to the region number of this DVD player, the unit cannot play the disc.
• When inserting a DVD disc, there is a window shown on the screen that requires entering 4 characters password, why?
It is because that the current disc has "Parental Control" level, and the player's parental level is set below the level of the disc, you should enter the correct password to play the disc normally.

ADVANCED OPERATION

NOTE:
• On how to set the "Parental Control" level, please refer to "SETUP\LOCK" in the following page.

ATTACHMENT: PARENTAL CONTROL

DVD discs have a parental level assigned to the disc. The range of parental controls is from 1 to 8. The player can be set in a similar way. If the player's parental level is set to 8 it will play all discs. If the player's parental level is set below 8, only discs with a lower or equal parental level will play. For example if the player is set to 5, only discs with parental control ratings of 5, 4, 3, 2, & 1 will play. To play a higher rated disc you must change the player's rating to a higher number.

For example, consider a disc that generally is suitable for most audiences, and is rated as level 2 for the most part. However in the middle there are also scenes rated at 5 & 7 (not suitable for children). Alternative scenes with lower rating are included.

The player plays the highest rated scene that the parental setting allows.

A section of the disc can have several different sequences that vary in parental control level. In the above example of a disc with parental control, the player will show a different section depending on the parental control level set in the player's menu. In this way parents can control the content of films and there is no indication that any censorship has occurred.

The meaning of the levels 1 to 8 varies depending upon the country and the type of content on the disc.

The parental control levels are:
  Unlock
1 Kid safe
2 G
3 PG
4 PG 13
5 PG R
6 R
7 NC 17
8 Adult

The factory password of the parental control is "3351".

SPECIAL FUNCTIONS FOR VCD

For VCD discs, there is one special function "Program Play" which makes it different from DVD discs.

• The function is effective in PBC OFF mode. In stop or pre-stop mode, press **PROGRAM** button can activate program edit interface.
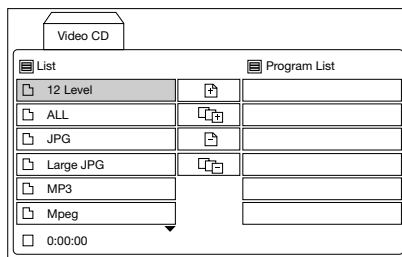
• On how to set the program menu, please refer to the operation of the audio files in the media player below.

Note:
• After you have programmed the tracks, press **PROGRAM** button to switch between program play and normal play.
• Press ► or **ENTER** button to exit the edit interface.

DATA DISC AND AUDIO CD PLAY OPERATION

When you insert a data disc including audio (MP3, WMA), movie (MPEG), picture (JPG) files or audio CD into the disc slot, the following media play window will be shown on the screen:
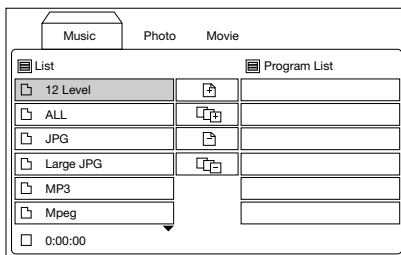
1) Press **TITLE** button to switch between Music, Photo and Movie pages.
2) In Music page, there are three areas: Play list, Program list and the Edit area in the middle.

ADVANCED OPERATION

- Press ► or **ENTER** button to open the highlighted folder in the play list or play the audio file in the play list or program list.
- Use "ADD", "ADD ALL", "DELETE", and "DELETE ALL" these four operation buttons on the middle edit area edit the program list.
- When highlight is on the audio file of the play list, you can press **PROGRAM** button to add the highlight file directly to the program list.
- When highlight is on the program list, you can press **CLEAR** button to delete the highlight file directly.

3) In Photo page, there are three areas: Play list, Preview window and the Edit area in the middle.

- Press ► or **ENTER** button to open the highlighted folder in the play list.
- When the highlight stops on the picture file, the preview of the picture will be shown in the preview window on the right.
- When selecting the 🖮 (slide show) button in the middle area and pressing **ENTER** to confirm, it will start to display all the pictures in full screen in turn.
  When showing the picture in full screen, the control bar will be shown on the screen.

3/15 ◄⊂ 90° ▷⊃90° ▲Prev ▼Next ■Stop ⌂Hide

Press ◄ or ► button to rotate the picture 90° counter-clockwise or clockwise.
Press ▲ / ▼ button to skip to the previous or next picture.
Press ■ button to stop slide show.

Press **CLEAR** button to hide or display the control bar.

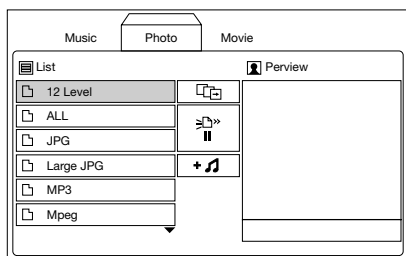- When selecting the 🖮 +♪ (Mixed Play) button in the middle area and pressing **ENTER** to confirm, it will start to display all the pictures in full screen in turn and add the MP3 file as background music.

- The 🖮 (Speed) button in the middle area is used to adjust the display interval speed between the pictures. Press ◄ / ► buttons to switch between ">", ">>", ">>>"and "▌▌".

4) In Movie page, press ► or **ENTER** button to open the highlight folder in the play list or play the corresponding file.
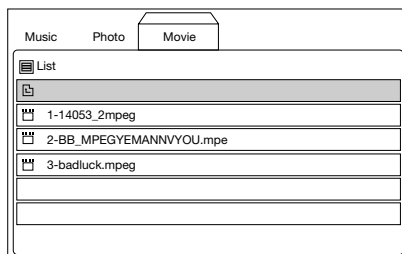
NOTE:
For audio CD, the play interface and operation is similar with the Music page operation. For details, please refer to the description of Music page above.

SETUP

In the stop mode or when the disc is playing, press **SETUP** on the remote control to enter setup menu.
- When the cursor is on the topside, use ◄ / ► buttons to move between the different pages.
- Press ▼ button to move the cursor to the setup page below and then you can use ▲ / ▼ buttons to move between the different setup options.
- Press ► button to display the choice list for each setup option and then use ▲ / ▼ buttons and **ENTER** button to change your selection.

LANGUAGE SETUP
- When you open the setup menu, you will see the language setup page at first, see below:


```
  ⓐ      ⓣ      ⓞ      ⓟ      ⓕ

            LANGUAGE

   Menu Language    ❯ English
   Disc Audio       ❯ English
   Disc Subtitle    ❯ English
   Disc Menu        ❯ English



                    ♦ Move  ▶Select
```
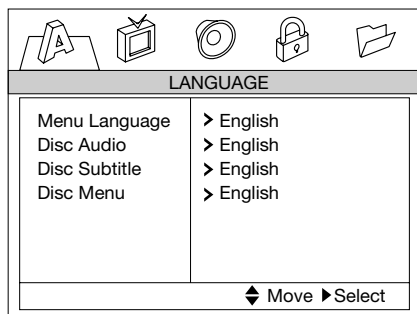
- "Menu Language" is used to change the language used in the whole menu and all prompt information during playback. The unit has the following languages to be selected: English, Spanish, German, Italian, Portuguese, French and Russian.
- "Disc Audio" is used to set a preset value for the playback language of the DVD. When playing a DVD disc, if the disc has a language that matches with the preset value, then it will play the language directly; if the disc does not include the language that matches with the preset, or the disc has the compelling playback language itself, then it will play the default language of the disc.
  The unit has the following disc audio languages to be selected: Original, English, Spanish, German, Italian,

Portuguese, French, Russian, Chinese and Other.


```
  ⓐ      ⓣ      ⓞ      ⓟ      ⓕ

            LANGUAGE

   Menu Language       Original
   Disc Audio        ▶ English
   Disc Subtitle       Spanish
   Disc Menu           German
                       Italian
                       Portuguese
                       French           ▼
           ◀ Prev.  ♦ Move ▶Select
```
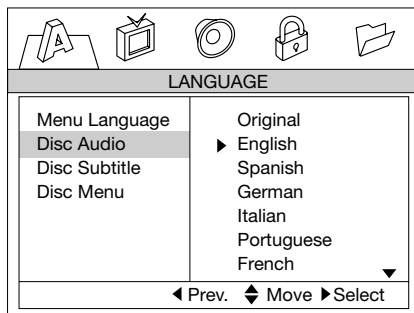
- "Disc Subtitle" and "Disc Menu" are similar with "Disc Audio"; the function is to set a preset value for the playback subtitle and menu display language of the DVD.

SETUP

DISPLAY SETUP
• When you open the **DISPLAY** menu, you will see the following picture:

DISPLAY	
TV Aspect	❯ 4:3
Display Mode	❯ Letterbox
TV Output	❯ Auto
Video Output	❯ S-VIDEO+CVBS
	⬍ Move ▶ Select

• "TV Aspect" is used to set the appropriate display effect when wide-screen video material is played on a conventional screen. There are two options to be selected: 4:3 and 16:9. When a wide-screen TV set is connected, you can select "16:9" to get better view effect.

• "Display Mode" can be changed when you set "4:3" in the "TV Aspect". There are Letterbox and Panscan to be selected.
  • Letterbox: Display the picture of the cinema effect with the black bands at the top and bottom of the screen.
  • Panscan: Display the picture of the clipped TV screen. The left and right edges are cut off.

• "TV Output" is used to select the TV output mode. This player can play discs recorded in either PAL or NTSC formats. Select NTSC format, when the unit is connected to NTSC TV.
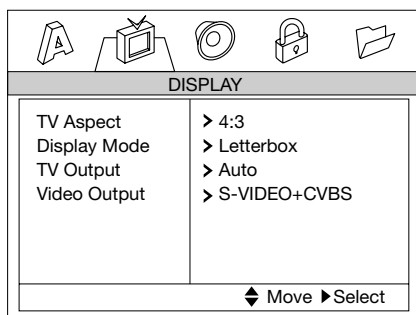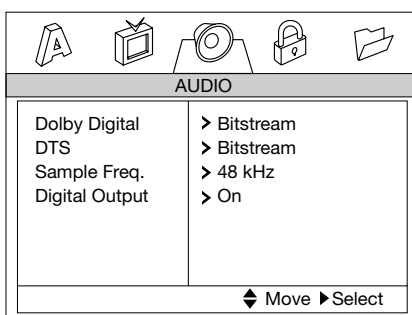 Select PAL format, when the unit is connected to PAL TV.
  Select AUTO format, the player TV output format will be according to the DVD disc format.

• In the "Video Output" item, there is only one video output mode "S-VIDEO+CVBS".

AUDIO SETUP
• When you open the **AUDIO** menu, you will see the following picture:

AUDIO	
Dolby Digital	❯ Bitstream
DTS	❯ Bitstream
Sample Freq.	❯ 48 kHz
Digital Output	❯ On
	⬍ Move ▶ Select

• "Dolby Digtial" means the Dolby digital out type. There are "Bitstream" and "PCM" to be selected.
  • Bitstream: When connecting to the amplifier or other devices with the Dolby Digital Decoder, DTS Decoder or MPEG Decoder or other devices, select this item.
  • PCM (Pulse Code Modulation): When connect to the amplifier with two channel digital stereo, select this item.
    When playing a DVD disc with Dolby Digital and recorded by MPEG1 or MPEG2 record system, the DVD player will output the audio in PCM2 playback mode.

• "DTS" means "Date Transmission System". There are "Bitstream" and "PCM" to be selected.

• "Sample Freq." means "Sample Frequency". Select the Sample Freq. between 48kHz and 96kHz. The higher the sample frequency is, the better the output audio quality is.

• "Digital Output" is to activate the digital audio output on or off.

SETUP

LOCK SETUP
• When you open the **LOCK** setup page, you will see the following picture:

LOCK	
Rating	> Unlock
Password	> New
Country Code	> US
	◆ Move ▶Select
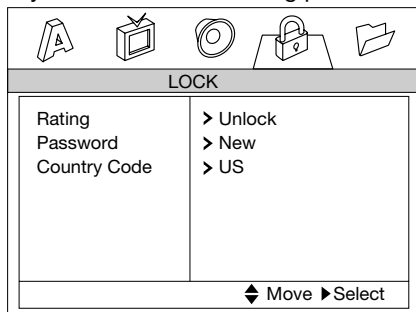
• "Rating" is used to set the parent control level.

LOCK	
Rating	🔓 Unlock
Password	8 (Adult)
Country Code	7
	6
	5
	4
	3
	2
	1 (Kids)
	◀ Prev. ◆ Move ▶Select

• When you enter into this item, the system will require you to input the password, if the password is correct, you can be permitted to change the parent lock level.
  Then you must input the password "3351".
• If you find it wrong in the course of entering the password, press **CLEAR** button to clear the entered characters.
• When you enter the correct password, you can use ▲ / ▼ buttons to change the parent level. Here provide 9 kinds of level including 1~8 and unlock.
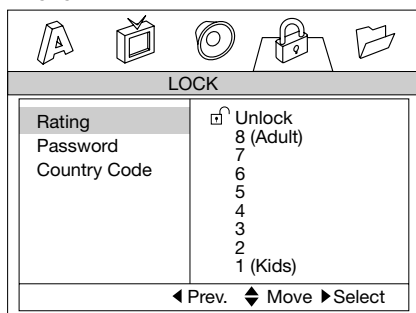• Regarding to the levels, please refer to the "PARENT CONTROL".
• When you complete the set in the setup, you must eject/load the disc form the disc slot, and then the function will come into effect.
• "Password" setup is used to set the new password or change the old password; before you enter into this item, the system will require you to input the old password, if the password is correct, you can be permitted to change the password.
• "Country Code" is used to set the country code. The code information standing for original producing area country will be written in every DVD disc when it is produced. There are two characters standing for the name of the country. For example, CN for China, CA for Canada, and so on. Only when the country code you set in the SETUP menu matches with the disc's own country code, the parent level that you set will come into effect.
  The detail operation is:
  • When you first set this item, it will display "NEW" and require you to input a new password, then input the password again to confirm it.
  • Then the first character of the country code will be selected, you can use ▲ / ▼ buttons to select upward or downward to confirm the first character;
  • When you confirm the first character, the second character will change into all the characters that may match with the first character to stand for the corresponding country code;
  • Then use ▲ / ▼ buttons to select the second character;
  • Press ENTER button to confirm the setting for country code.

Note:
If you have set a password in "Rating" and "Password", when you set the country code, it will require you to input the password. Only when the password is correct, you can be permitted to change the country code. If you select "Load Default" in SETUP menu, the password you have set will be cleared.

SETUP

OTHERS SETUP
• When you enter into the OTHERS setup page, you will see the following picture. You can change the setting for Load Default and Screen Saver.

	OTHER	
Load Defaultl	> Select	
Screen Saver	> On	
		◆ Move ▶Select
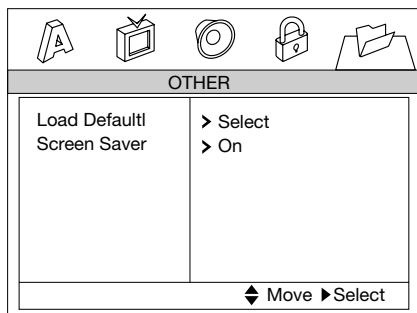
• "Load Default" is used to revert to factory initial settings.
• "Screen Saver" is used to switch on/off the screen saver function.

TV OPERATION

Press the **MODE** button on the remote control to switch among TV mode. When in TV mode, the function of the buttons served in DVD mode is locked.

Searching Channels
Pressing **MENU (TV SEARCH)** button on the front panel of the DVD unit for more than 2 seconds or press **MENU** on the remote control will enter into searching mode. Then press ►► on the remote control or ≫ button on the front panel to start searching TV channels and press I◄◄ on the remote control or ≪ button on the front panel to stop searching.

Selecting Channels
- Press ►►I **(CH+)** or ≫I **(CH+)** button to choose channel upward, press I◄◄ **(CH-)** or ≪ **(CH-)** button to choose channel downward.
- The numeric buttons (0, 1~9) allow you to select the corresponding channel directly.
- Press digital select button **3D (-/--)** cooperatively used with numeric buttons to select channel desired.

Volume Adjustment
Press **VOLUME +/-** button on the remote control to adjust volume level.

Mute
Press **MUTE** button to mute the sound. Press **MUTE** button again to press volume up/down buttons on the front panel or on the remote control, sound will resume.

TROUBLE SHOOTING

If it appears that your DVD unit is faulty, first consult this checklist. It may be that something simple has been overlooked.

Under no circumstances should you try to repair the player yourself, as this will invalidate the warranty. Only qualified service personnel can remove the cover or service this player.

NO POWER
• Check if the on/off button on the front of the player is set to on.
• Check if AC or DC power plug of the mains unit is properly connected.
• Check if there is power at the AC or DC outlet.

NO PICTURE
• Check if the monitor or TV is switched on.
• Select the correct AV input on the monitor or TV.
• Check the video connection.

DISTORTED PICTURE
• Check the disc for fingerprints and clean with soft cloth, wiping from centre to edge.
• Sometimes a small amount of picture distortion may appear. This is not a malfunction.

COMPLETELY DISTORTED PICTURE
• The disc format is not according to the TV-set used (PAL/NTSC).

NO COLOR IN PICTURE
• The disc format is not according to the TV-set used (PAL/NTSC).

DISC DOES NOT PLAY
• Ensure the disc label is upwards.
• Clean the disc.
• Check if the disc is defective by trying another disc.

NO SOUND
• Check audio connections.
• If using a HIFI amplifier, try another sound source.

NO RETURN TO START-UP SCREEN WHEN DISC IS REMOVED
• Press POWER to turn off the unit, then press it again to turn on the unit.
• Press Reset button on the front of the DVD unit.

THE PLAYER DOES NOT RESPOND TO THE REMOTE CONTROL
• Aim the remote control directly at the sensor on the front of the player.
• Avoid all obstacles which may interfere with the signal path.
• Inspect or replace the remote control batteries.

DISTORTED OR B/W PICTURE
• The disc format is not according to the TV-set used (PAL/NTSC).

NO AUDIO AT DIGITAL OUTPUT
• Check the digital connections
• Check the AUDIO setup menu to make sure that the digital output is correctly set.
• Check if the audio format of the selected audio language matches your receiver's capabilities.

BUTTONS DO NOT WORK
• Turn the player off and on with the power on/off button on the front of the player.
• Press Reset button on the front of the DVD unit.

SPECIFICATIONS

Supply Voltage	:	12V DC (11V-15V), test voltage 14.4V, negative ground
Current Consumption	:	Less than 3A
Signal System	:	Compositive video 1.0Vp-p 75Ω
Discs Played	:	(1) 5"(12 cm) DVD-VIDEO Disc
		(2) Compact Disc (CD-DA/CD-R/CD-RW/MP3)
		(3) 5" (12cm) Video CD
Audio Output Level	:	10kΩ (2 ch 2.0 Vrms)
Audio Signal Output		

Characteristics	:	(1) Frequency Response	20 Hz - 20 KHz
	:	(2) S/N Ratio	80 dB (JIS)
	:	(3) Wow and Flutter	Below measurable limits

Note:
Specifications and design are subject to modification, without notice, due to improvements in technology.

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