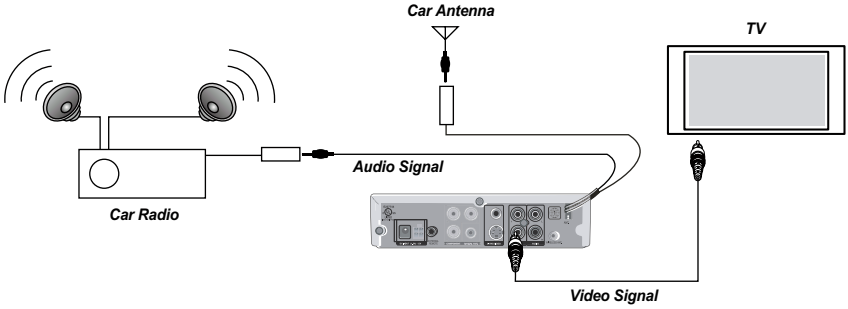
Connecting to Car Radio System

For use internal FM transmitter any connecting will be required.

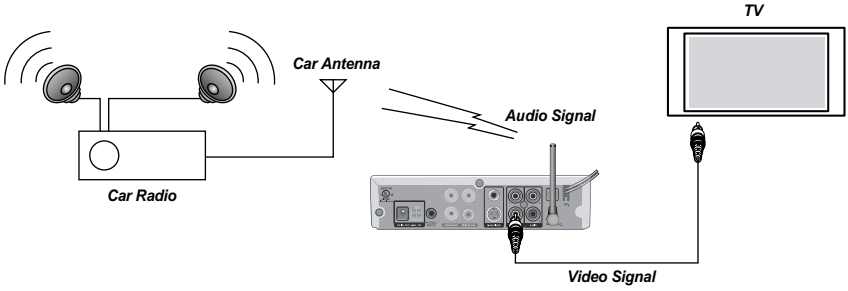
Wired FM transmitter model

Connecting 2 wires to car antenna and car radio system each other.



Wireless FM transmitter model

Just connect antenna to it's connector

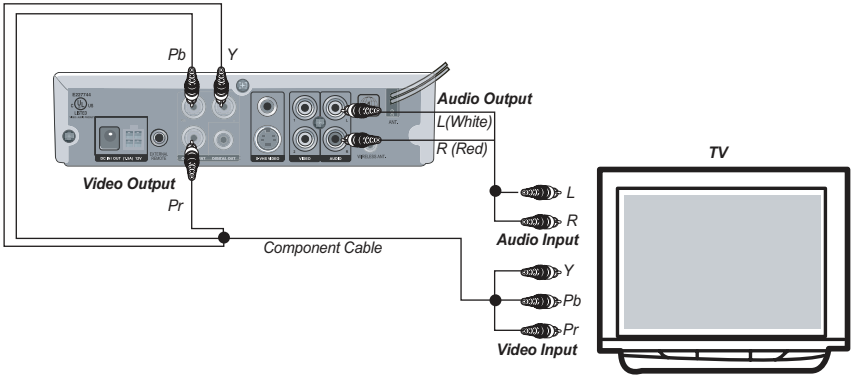


Setting the FM transmitter frequency
SETUP => Audio Setup Page => FM Tx => Setting FM Frequency (Off, 88.1MHz ~ 88.9MHz)

CAUTION
- Some Frequency has any broadcasting signal.
- Audio signal has noise sometimes followed by moving position or electrical noise.

※ *Sometimes wireless FM transmitter causes some noise according to setting position of DVD player and environmental condition (high voltage wire or another radio frequency)*

Connecting to Component Video Input



Connecting to Component Video Input

Some TV system has component video signal input terminal. DVD player can output component video signal. At this mode progressive scan will possible.
Connect the component video (Y/Pb/Pr or RGB) cable to it's terminal and setting the setup menu.

1 Setting the Component video output
SETUP => Video Setup Page => Component (select Off / YUV / RGB)

2 Setting the Progressive Scan (enable when YUV or RGB selected)
SETUP => Video Setup Page => TV Mode (select Interlace / P-SCAN)

Playing DVD Video Discs

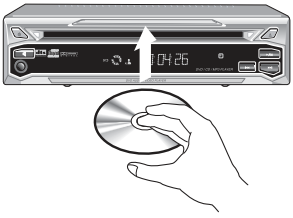
Before Playing Your DVD Disc

Ensure that your DVD player is connected correctly to the TV and audio system, which are output components. Turn on the power of the TV and audio system. Ensure that the local code of the DVD player is matched to that of the disc. If not matched, your disc will not be played.

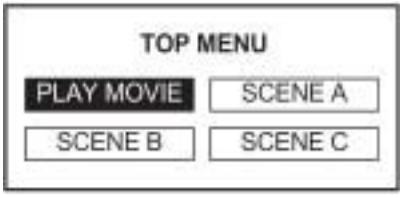
To Play a DVD Disc

1 Press the POWER (POWER)button.

2 Insert the DVD disc. Ensure that the labeled surface (not the surface where data is recorded) is at the top when placing it.



3 Your DVD disc will be automatically played depending on the current program mode.
1) The Disc menu is displayed on the screen. Select the desired menu using the arrow ( )buttons or NUMBER buttons and press the ENTER button to play your DVD disc.



Basic Playback Controls

PLAY/PAUSE( ) : Starts playback or pause a disc that's playing
(press again to restart playback)
STOP( ): Stop playback
FR( ): Press for fast backward searching.
FF( ): Press for fast forward searching
PREV( ): Skip to the previous chapter.
NEXT( ): Skip to the next chapter.

Basic Disc Menu Controls

Some DVD discs contain menus. Sometimes these are displayed automatically when you start playback; others only appear when you press MENU or Title remote control.

TITLE ( )button: Displays the top menu of a DVD disc
MENU ( )button: Displays a DVD disc menu-this varies with the disc and may be the same as the top menu.
RETURN ( )button: Returns to the previously displayed menu screen.
Arrow( ) button: Move the cursor around the screen.
ENTER ( )button: Selects the current menu option.
Number button: Selects a numbered menu option

Note

- *Don't move the DVD player during playback. During so may damage the disc and the DVD player.*
- *When "⊘" appears on the TV screen while a button is pressed, it means that this function is not available on the disc you are playing.*
- *Depending on the DVD disc, some operations may be different or restricted. Refer to the jacket or case of disc you are playing.*

Playing MP3 discs

To Play a MP3 File

1 Insert the MP3 disc. Make sure that the disc's label is facing up.

2 MP3 menu screen is displayed automatically depending on MP3 disc's folder (directory) structure

3 Using the UP( ) or DOWN( ) button to find the desired folder

4 Press the ENTER( ) button to select. The TV screen shows the file lists under the folder.

5 Press the PROGRAM ( ) button repeatedly. Each time you pressed, PROGRAM mode will be changed repeatedly. (Folder a Filelist)

Note

- *The file name is only displayed in English.*
- *This DVD player is compatible with the "MPEG-1 Audio Layer 3" standard. It is not compatible with such other standards as "MPEG-2 Audio Layer 3", "MPEG-2.5 Audio Layer 3", MP1, MP2, etc.*
- *Do not play CD-R/RW discs containing any files other than music CD files, MP3 and JPEG files.*
- *Programmed playback is not possible with MP3 discs.*
- *When writing MP3 files on CD-R/RW discs, select "ISO9660 level 1" as the writing software format.*

Playing Kodak picture CD and JPEG file play

When a Kodak Picture CD is inserted, an automated slide show is launched. When a JPEG file loaded, the table of contents is displayed on TV screen. 16 slideshow transition modes are provided. Use the PROGRAM button to switch the slideshow transition mode.

Diagonal Wipe Right Top -> Diagonal Wipe Left Bottom -> Diagonal Wipe Right Bottom -> Extend from Center H -> Extend from Center V -> Compress to Center H -> Compress to Center V -> Window H -> Window V -> Wipe from Edge to Center -> Move in from Top -> None)

1 Select the picture
Select the picture, you want to see, by pressing the UP(▲) or DOWN(▼) button.
The selected item shows as small size picture on the right side of File Menu Screen.

2 Image rotation
There are 4 modes to rotate a picture: Left, Right, Invert, Mirror
- UP(▲) button : invert
- DOWN(▼) button :mirror
- LEFT(◀) button :Turn left
- RIGHT(▶) button :Turn right

2 Each time the ZOOM button is pressed during playback, zoom 125 -> 150 -> 200 -> 50 -> 75 -> zoom off is selected repeatedly
- UP(▲) button : Moving up the zooming picture
- DOWN(▼) button : Moving down the zooming picture
- LEFT(◀) button : Moving left the zooming picture
- RIGHT(▶) button : Moving right the zooming picture

Fast Forward/Backward

Use this function to play the DISC contents in fast forward or fast reverse. During searching, audio will be muted (except CD-DA).

1 Press the FR (◄◄) or FF (►►) button during disc play.

◄◄ ◄◄ x 2 ➡ ◄◄ x 4 ➡ ◄◄ x 8 ➡ ◄◄ x 16 ➡ ◄◄ x 32

►► ►► x 2 ➡ ►► x 4 ➡ ►► x 8 ➡ ►► x 16 ➡ ►► x 32

2 Press the PLAY/PAUSE (►II) button to resume normal playback.

Skip Forward/Backward

Use this function to move to the net or previous chapter for DVD, track for VCD and CD-DA.

1 Press the PREV (I◄) button to go to the previous chapter or track.

2 Press the NEXT (►I) button to go to the next chapter or track.

Note

- *This function will not operate if there is only one chapter per a disc.*

Slow Forward/Backward

Use this function to play the DISC contents in slow forward or slow reverse. During searching, audio will be muted.

1 Press the PLAY/PAUSE (PLAY/PAUSE) button during play mode.

2 Press the (◄◄) or (►►) repeatedly.

◄◄ ◄I 1/2 ➡ ◄I 1/4 ➡ ◄I 1/8 ➡ ◄I 1/16

►► I► 1/2 ➡ I► 1/4 ➡ I► 1/8 ➡ I► 1/16

3 Press the PLAY/PAUSE (PLAY/PAUSE) button to resume normal playback.

Frame-by-Frame Playback

1 Press the PLAY/PAUSE (PLAY/PAUSE) button during play mode.

2 Press the (I◄) button repeatedly.
Each time you pressed, forward one frame is displayed at a time.

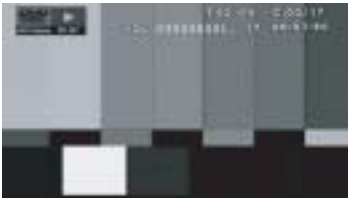
3 Press the (►I) button repeatedly.
Each time you pressed, backward one frame is displayed at a time.

4 Press the PLAY/PAUSE (PLAY/PAUSE) button to resume normal playback.

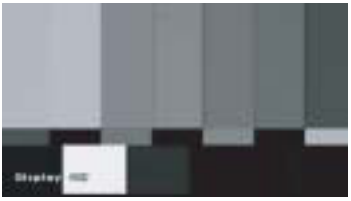
OSD (On-screen Display)

You can display the playback status on TV screen as following; Title, Chapter number, Playing time, Disc.

1 Press the DISPLAY (DISPLAY)button during playback
- Disc, Chapter(DVD), Track(CD-DA), Time information appears on screen.



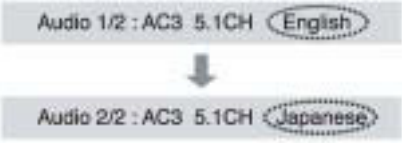
2 To turn off the on-screen display, press the DISPLAY (DISPLAY)button



Selecting Audio Language

It is possible to change the audio soundtrack language to a different language from the one selected at the initial settings. This operation works only with discs on which multiple audio soundtrack languages are recorded. If the loaded disc supports multiple languages, you can select the audio language.

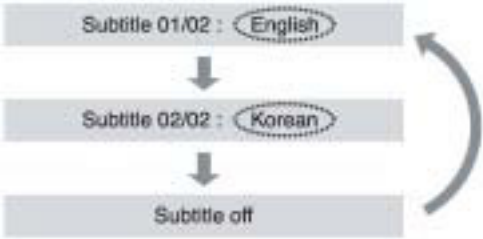
1 Press the AUDIO button repeatedly during playback. Each time you pressed, the audio language is changed



Selecting Subtitles

It is possible to change the subtitle language to a different language from the one selected at the initial settings. This operation works only with discs on which multiple subtitle languages are recorded.

1 Press the SUB-T (SUB-T)button during disc play.
The subtitle info banner appears.
The default is Subtitle off.
If no subtitle are recorded, the (⊘) icon will appear.



2 Press the SUB-T (SUB-T)button repeatedly until the desired subtitle language is displayed.

3 To turn subtitle off, press the SUB-T (SUB-T)button until Subtitle off is displayed.

Note

This function is a disc dependent. There are some DVD discs that prevent selecting subtitle even if it supports multiple subtitles. In this case, the subtitle should be selected via disc menu.

Repeating a Title, Chapter (DVD), Track (CD-DA)

You can play the desired title, chapter, section repeatedly.

1 Press the PLAY MODE (PLAY MODE)button during disc play.
- Each press of the PLAY MODE button changes the repeat mode in the following sequence.

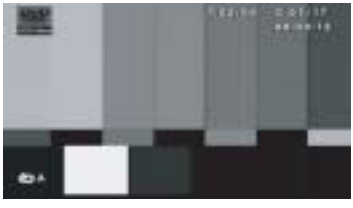
2 To resume normal playback, press the PLAY MODE (PLAY MODE)button repeatedly until the repeat mode indicator disappears on screen.

Note

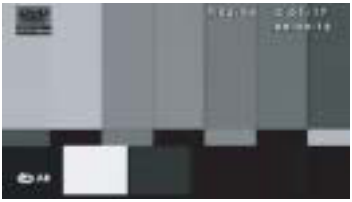
With some DVD discs, there may be times when repeat playback is not possible.

Repeating a specific section

1 During playback, press the A-B (A-B)button at the beginning of the desired section.



2 Press the A-B (A-B) button again at the end of the section. "AB" will be displayed on the screen then the A-B section is continually repeated.



3 To resume normal playback, press the A-B (A-B) button repeatedly until the repeat mode indicator disappears on screen.

Program play

This function is used to play the Title, Chapter and Tracks on the disc in order you program.

1 Press the PROGRAM (PROGRAM) button on remote controller. Program menu is displayed on screen.

2 Select the Title, Chapter (DVD) and Track NO. (CD-DA) is displayed on the TV screen.

DVD

CD-DA

3 Select other NO. to program. Repeat step 2 until the programming is finished. You can add desired tracks up to 20 programs.

4 Using the UP (▲) or DOWN(▼) button to select the "Start". And play now begins in the programmed sequence.

DVD

CD-DA

5 Stop all the programmed title, chapter and tracks. Using the UP(▲) or DOWN(▼) button to select the "Exit".

DVD

CD-DA

Zooming a Picture

1 Press the ZOOM (ZOOM)button during playback.

2 Each press of the ZOOM (ZOOM)button changes the zoom mode in the following sequence.

2 ➡ 3 ➡ 4 ➡ 1/2 ➡ 1/3 ➡ 1/4 ➡ NORMAL

3 If you press the direction button during the ZOOM mode, the ZOOM point will shift.

4 To resume normal playback, press ZOOM (ZOOM)button repeatedly until the repeat mode indicator disappears on screen.

Switching the Camera Angle

Some DVDs contain scenes that have been shot simultaneously from multiple angles.

1 Press the ANGLE (ANGLE)button on the remote control during disc play. The ANGLE icon appears. If no additional camera angle are recorded, The (⊘) icon will be displayed.

2 If multiple camera angles are recorded, the ANGLE icon displays the current angle number and the number of available.

3 Press the ANGLE (ANGLE)button again to go to the next camera angle.

Note

This feature does not work if a DVD has not been recorded with multiple camera angle

DIRECT Search (GO TO)

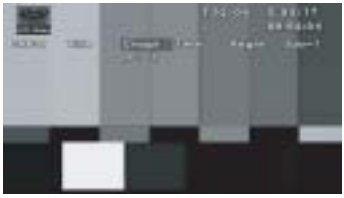
This function is used to go to the chapter, track or song of the disc you want.

DVD

1 Press the GOTO (GOTO)button during playback.

2 Select "Chapt" and press DOWN (▼) button.

3 Enter the title number using numeric button.



CD-DA

1 Press the GOTO (GOTO)button during playback.

2 Select "Track" and press the DOWN (▼) button.

3 Enter the Track number using numeric button.

MP3

1 Press the GOTO (GOTO)button during playback.

2 Select "Song" and press the DOWN (▼) button.

3 Enter the Song number using numeric button.

Using the Setup Menu

Once the initial settings have been completed, the player can always be operated under the same conditions whenever the power is switched on. These settings are called SETUP data that are easily modified and stored using the SETUP menu. The SETUP menu includes the information for GENERAL, VIDEO, AUDIO and PREFERENCES system controls.

Basic Operations

Press SETUP (SETUP)button during stop mode. And use the ARROW ( )button and ENTER (ENTER) button to navigate and select options. The current setting for any option is marked with a colored box.

1 Press the STOP (■) button, if the disc is being played.

2 To call the SETUP menu, press the SETUP (SETUP) button.

3 Use the LEFT(◀) or RIGHT(▶) button to find desired items.

4 To turn off the SETUP menu, press the SETUP (SETUP)button again.

Note

Depending on the disc, some setup menu selections may not work properly.

General Setup

1 TV DISPLAY

You can select a TV screen aspect ratio according to your TV.
If the TV on which the movie is played is of 'WIDE' type, choose "WIDE". If it is of "4:3" type, choose NORMAL/PS(Pan & Scan) or NORMAL/LB(Letter Box).

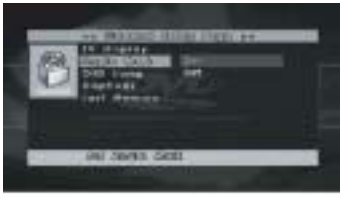
NORMAL/PS : Choose this setting if you want the movie to fill the entire screen of your TV. This might mean that the left and right edges won't be seen.

NORMAL/LB : Choose this setting if you want to see movies in their original aspect ratio. The movie might appear with black bars at top and bottom of the screen.

WIDE : Choose this setting if your DVD player is connected to a wide screen TV.

2 ANGLE MARK

You can set up so that the angle mark appears on scenes.



On: When selected, the screen will show angle mark during disc play.
Off: When selected, no angle mark is shown on the screen.

3 **OSD language**

Use this option to set the on-screen display language.
When selected, change to set the on-screen display language.

4 **CAPTIONS**

Adjusts caption selections.

On: Choose this setting to display captions.
Off: Choose this setting to close captions.

5 **Last Memory**

Adjusts Last Memory selections

Audio Setup

1 **EQ Type**
This unit can produce a 3D Surround effect, using 3D Surround Sound technology. Choose the desired preset equalizer mode. (Rock, Pop, Live, Dance, Techno, Classic, Soft)

2 **BASS BOOST**
This is enhanced at all levels without distorting other frequency.

3 **SUPER BASS**
This is enhanced at all levels without distorting other frequency.

4 **TREBLE BOOST**
This is enhanced at all levels without distorting other frequency.

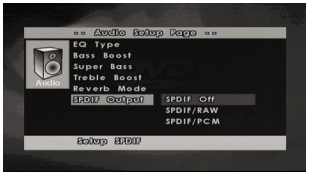
5 REVERB MODE

To enjoy various surround sound, features when you can select and desired sound effect. (Concert, Living Room, Hall, Bathroom, Cave, Arena, Church)

6 SPDIF SETUP

To connect the unit's digital output to an external device equipped with a digital input, this item must be set correctly.

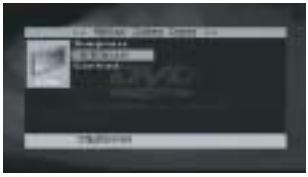
1) SPDIF OFF
2) SPDIF / RAW : Output Dolby Digital (or DTS) Bitstream directly. If you connected this unit's DIGITAL OUT jack to a Dolby Digital decoder (or an amplifier or other equipment with a Dolby Digital decoder).
3) SPDIF / PCM : Output Decoded Dolby Digital (or DTS) Bitstreem. Select when connected to a 2ch digital stereo amplifier. This unit outputs sounds in the PCM 2ch format when you play a DVD video disc recorded on the Dolby Digital, MPEG1, or MPEG2 recording system.



Video Setup

1 **SHARPNESS**
Adjusts the sharpness of the image.
Press the ENTER(ENTER) button to select the adjust mode, the use the UP( ) or DOWN( ) buttons to select the image quality adjustment item.

2 **BRIGHTNESS**
1) Adjusts the picture's brightness.



2) Press the ENTER (ENTER)button to select the adjust mode, then use the LEFT( ) or RIGHT( ) buttons to select the image quality adjustment item.

3 **CONTRAST**
1) Adjusts the contrast of the picture.

2) Press the ENTER (ENTER)button to select the adjust mode, then use the LEFT( ) or RIGHT( ) buttons to select the image quality adjustment item.

Preference Setup

1 PBC

This feature is only available when a (Super) Video CD is loaded. It allows you to disable or enable the PBC (Playback Control) menu of VCD discs.

1) Press the SETUP ( )button when during stop mode.
2) Press the LEFT/RIGHT ( )button to move to Preference.
3) Press the UP/DOWN ( )button to move PBC.
4) Press the ENTER ( )button.
5) Press the UP/DOWN ( )button to select On/Off.

2 AUDIO

Use the audio language menu to select the subtitle language that you prefer. If the disc you are playing has that language available, it will display subtitle in that l anguage.

1) Press the SETUP ( )button when during stop mode.
2) Press the LEFT/RIGHT ( )button to move to Preference.
3) Press the UP/DOWN ( )button to move Audio.
4) Press the ENTER ( )button.
5) Press the UP/DOWN ( )button to select desired audio language.

3 SUBTITLE

Use the subtitle language menu to select the subtitle language that you prefer.
If the disc you are playing has that language available, it will display subtitle in that language.

1) Press the SETUP ( )button when during stop mode.
2) Press the LEFT/RIGHT ( )button to move to Preference.
3) Press the UP/DOWN ( )button to move Audio.
4) Press the ENTER ( )button.
5) Press the UP/DOWN ( )button to select desired subtitle.

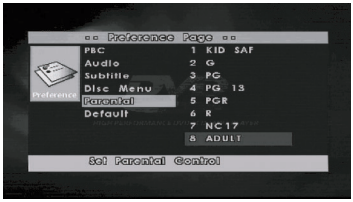
4 DISC MENU

Use the Disc Menu option to select the language you want a DVD's disc menu to be displayed in (not the same as the player menu)

1) Press the SETUP (SETUP) button during stop mode
2) Press the LEFT/RIGHT (◀▶) button to move to Preference.
3) Press the UP/DOWN (▲▼) button to move to Sub.
4) Press the ENTER (ENTER) button.
5) Press the UP/DOWN (▲▼) button to select Disc Menu.

5 PARENTAL

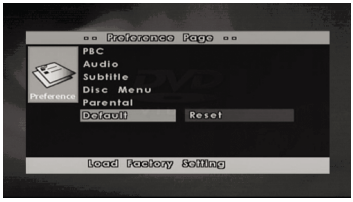
The Parental feature is a rating limit system, like movie ratings.
It works with DVD's that have been assigned a rating. This option lets you determine how your player will react to discs that contain movies that are rated (in the U.S.A., the Motion Pictures Association of America rates movies as G, PG, PG-13, etc.).
You decide which ratings require a password and which ones don't.



1) Press the SETUP (SETUP) button when stop mode
2) Press the LEFT/RIGHT (◀▶) button to move to Preference.
3) Press the UP/DOWN (▲▼) button to move to Parental.
4) Press the ENTER (ENTER) button.
5) Press the UP/DOWN (▲▼) button to select desired parental level.

6 DEFAULT

If user selects reset from the setup menu, all the value of setup menu will be initialized by factory setting value. (Exception: Parental level, Region code and Password values will not be changed)



1) Press the SETUP (SETUP) button when stop mode.
2) Press the LEFT/RIGHT (◀▶) button to move to Preference.
3) Press the UP/DOWN (▲▼) button to move to Default.
4) Press the ENTER (ENTER) button.
5) Press the ENTER (ENTER) button to select reset.

Password Setup

1 1. PASSWORD MODE

1 PASSWORD CHANGE

1) Select "Password Setup" sub item

2) Enter your old password and new password in 4 digits.

3) Re-enter new password for confirms then press ENTER button.

Note

- Do not forget the password
- The setting cannot be changed without inputting the correct password.

Specifications

General	System	DVD-Video/DVD-R/-RW/+R/+RW/ Super VCD/VCD/CD/CD-R/RW/ MP3 files/Picture CD
	Power Supply	DC 12V, 1.5A
	Power Consumption	1A, 12W
	Weight	1,175g
	External Dimensions (mm)	178.0(W) x 212.2(D) x 42.0(H)
	Operation Temperature	-5℃ ~ 50℃
	Operation Humidity	10~80%
Signal System	NTSC / PAL / MULTI	
Video output	Output Level	1.0Vp-p(75ohm)
	Jacks	RCA Jack
S-Video output	Y (luminance) - Output Level	1.0Vp-p(75ohm)
	C (color) - Output Level	0.286Vp-p(75ohm)
	Jacks	S-Video Jack
Audio output	During Audio Output	2Vrms(1kHz, 0dB)
	Number of Channels	2
	Jacks	RCA Jack
Audio Characteristic	Frequency Response	4Hz to 44kHz(DVD fs: 96kHz)
	S/N Ratio	More than 85dB
	Dynamic Range	More than 85dB
	Total Harmonic Distortion	0.08%
Digital Output	Coaxial Digital Output	RCA Jack
Accessories ** Optional*	Audio/Video Cable	1
	Remote Control	1
	1.5V(AAA SIZE)	2
	IR Module *	1
	Cigar Cable *	1
	DC Cable *	1
	Mounting Bracket for Car *	2
	Screws *	4
	Manual, Warranty Card	1

Troubleshooting

Symptom	Cause	Correction
No power	The power cord is disconnected.	Plug the power cord into the wall outlet securely
The power is on, but the DVD player doesn't work	No disc in inserted.	Insert a disc. (Check that the DVD or audio CD indicator in the DVD display is lit.)
No sound	The equipment connected with the audio cable is not set to receive DVD signal output	Select the appropriate video input mode on the TV so the picture from the DVD player appears on the TV screen.
	The audio cables are not connected securely.	Connect the audio cable into the jacks securely.
	The power of the equipment connected with the audio cable is turned off.	Turn on the equipment connected with the audio cable.
	The digital audio output is set the wrong position.	Set the Digital Audio Output to the correct position, and then turn on the DVD player again by pressing the POWER button.
No picture	The TV is not set to receive DVD signal output.	Select the appropriate video input mode on the TV so the picture from the DVD player appears on the TV screen.
	The video cable is not connected securely.	Connect the video cable into the jacks securely.
		Switch TV to appropriate mode using the TV mode using the TV MODE button on
		the remote control. Check if you pressed the AUDIO ONLY button.
The playback picture is poor.	The disc is dirty.	Clean the disc.
	No disc is inserted.	Insert a disc. (Check that the DVD, or audio CD indicator in the DVD display is lit.)
	An unplayable disc is inserted.	Insert a playable disc. (Check that the DVD, or audio CD indicator in the DVD display is lit.)
	The disc is placed upside down.	Place the disc with the playback side down.
	The disc is not place within the guide.	Insert the disc correctly inside the guide.
	A menu is on the TV screen.	Press the SETUP button to turn off the menu screen.
	The rating level is set.	Cancel the rating function or change the rating level.

Symptom	Cause	Correction
The remote control doesn't work properly.	The remote control is not pointed at the remote sensor of the DVD player.	Point the remote control at the remote sensor of the DVD player.
	The remote control is too far from the DVD player.	Operate the remote control within about 23ft(about 7m).
	There is an obstacle in path of the remote control and the DVD player.	Remove the obstacle.
	The battery in the remote control is exhausted.	Replace the battery with new one.
The analog audio OK, but there appears to be no digital audio signal.	Incorrect Audio menu settings.	Make sure that the Digital Out setting is set to BITSTREAM or PCM. Check that the BITSTREAM and PCM settings are suitable for your amplifier check the amp's instruction manual.
The disc containing the MP3 tracks won't play		If the disc is a recordable CD, make sure that the disc is finalized.Check that the tracks are in the MPEG1 Audio Layer 3 format.
Some MP3 tracks appear to be missing from a disc.	If a track name not end in ".mp3" or ".MP3", this player will not recognize it as an MP3 track.	

※ Designs, Accessories and specifications are subject to change without notice.

Limited Warranty

One(1) Year Limited Warranty

WHO IS COVERED?

A proof of purchase is required to received to warranty service. A sales receipt or other document showing original date purchase is considered proof of purchase.

Warranty repair is one (1) year limited warranty coverage :
* Parts and labor are included under warranty repair.

WHAT IS NOT COVERED ?

NOTE : If you don't have proof of purchase, then your unit will be considered out-of-warranty. Out-of-warranty repairs will be charge at a flat labor rate, including any necessary parts.

WHAT IS EXCLUDED ?

Your warranty does not cover :

* Labor charges for installation ro setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.

* Product repair and / or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of its manufacturer.

* A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and / or authorized, or repair of products damaged by these modifications.

* Incidental or consequential damages resulting from the product. (Some states do not allow the incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)

MAKE SURE YOU KEEP

Please keep your sales receipt or other document showing proof purchase. Also keep the original box and packing material in case you need to return your product.

MODEL # _____

SERIAL # _____

CUSTOMER SUPPORT

This warranty gives you specific legal right.
You may have other right which vary from state / province to state / provaice.