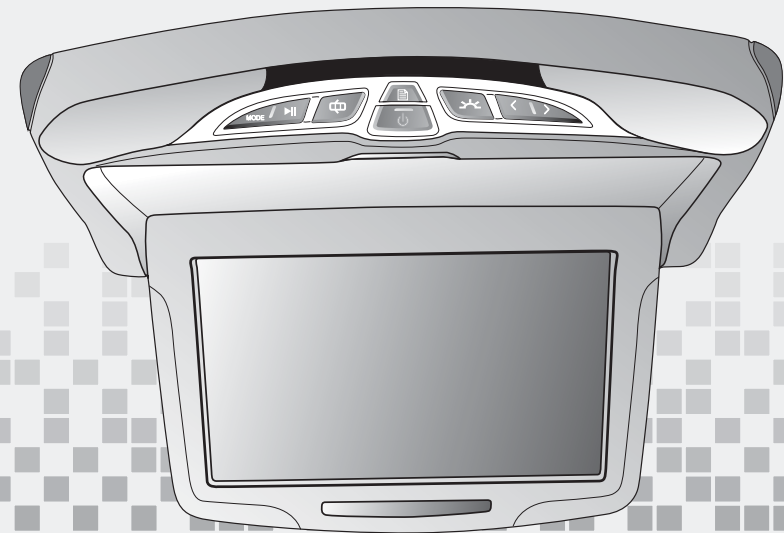


APPENDIX I
: USER'S MANUAL

9.5" TFT-LCD MOTORIZED DVD COMBO MONITOR



CAUTION

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

Contents

■ Caution	4	■ DVD Functions	24
■ Name And Function Of Each Parts	6	EJECT	24
– Unit	6	VOL+ / VOL-	24
– Remote Controller	8	MUTE	25
■ Power And Mode Selection	9	PLAY OR PAUSE	24
– Power ON/OFF	9	AUDIO	24
– Monitor Angle Adjustment	9	STOP	25
– Mute Function	9	ARROWS	25
– Volume Control	10	SETUP	25
– Mode Setting	10	MENU	25
– DVD Mode	10	DISPLAY	26
– AUX (AV1/AV2) Mode	11	NUMBER BUTTONS	26
■ Picture Control	12	SUBTITLE	27
– CONTRAST/BRIGHT/COLOR/TINT	12	TITLE	27
■ Screen Mode	13	SLOW	27
– SCREEN	13	FAST REVERSE SEARCHING	28
■ Sound Control	14	FAST FORWARD SEARCHING	28
– BASS/TREBLE	14	PREV	29
■ DVD Setup	15	NEXT	29
– Setup Menu	15	REPEAT A-B	29
– General Setup	16	REPEAT	30
TV Display	16	NTSC/PAL	30
Angle Mark	16	ANGLE	30
OSD Lang	16	PBC	31
Captions	17	ZOOM	31
Screen Saver	17	GOTO	31
Last Memory	17	■ Connection Diagram	32
– Audio Setup	17	■ Installation	33
Dolby Digital Setup	17	■ Optional Specification	34
Equalizer	18	– TV Mode	34
– Video Setup	19	– How To Select Channels Automatically	34
Quality	19	– How To Add And Delete Channels By Manual	34
– Preference	21	– How To Select Channel	35
TV Type	21	– FM TX	36
PBC	21	■ Disc Information	37
Audio	21	■ Troubleshooting	38
Subtitle	21	■ Specifications	39
Disc Menu	22		
Parental	22		
Country Region	22		
Default	22		
– Password Setup	23		
Password Mode	23		
Password Change	23		

Caution

Please read and observe all warnings and instructions in this owner's manual and those marked on the unit. Retain this booklet for future reference.

There are two kinds of alarm symbols as follows:



WARNING

The lightening flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to people.



CAUTION

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

WARNING



Installation of all TV monitors must be out of the driver's field of sight.



Do not mount the product where it will obstruct the deployment of the airbag or in an area where it would affect the vehicular control. Also be careful to avoid mounting the product where it can become hazardous during sudden stops or in the event of an accident.



Do not try and service these products yourself, seek only a qualified service center or factory service center.



Be careful not to drop or apply under pressure to the front panel of your video monitor. If the screen cracks due to misuse, your warranty will be void!



Be careful not to overload your cigarette lighter plug by adding more than one device at a time.



Use only a damp cloth to clean the screen and use only purified water on the cloth, wring out all excess water prior to wiping the screen. Do not use any cleaners or chemicals to clean the screen. In most cases a dry cloth will do!

Caution

CAUTION



Quality installations are best performed by qualified and certified installers.



Watching the monitor for an extended period of time without the engine running may deplete the vehicle's battery charge.



Don't touch the unit there is a flash of lightning. It may receive an electric shock.



This product is designed for operation with a 12 Volt DC, negative ground vehicle. It is not suitable for operation under other conditions or voltages.



Do not cover or stop up heater ducts or vents. It may be the origin of a fire or receives an electric shock.



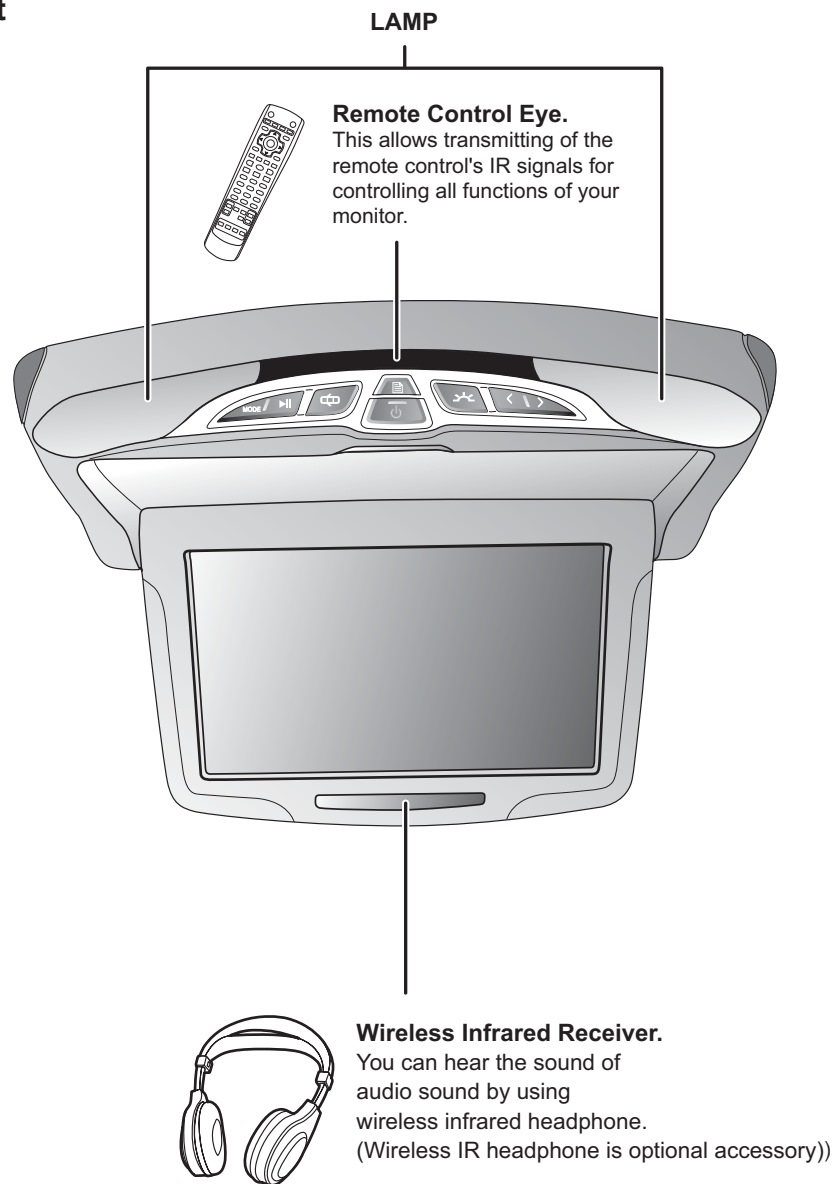
Do not bring magnetic devices such as credit card or magnetic card near the magnets.

Check Point

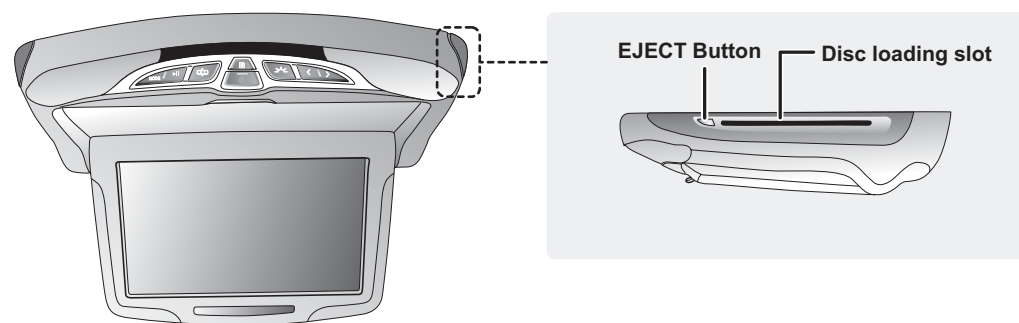
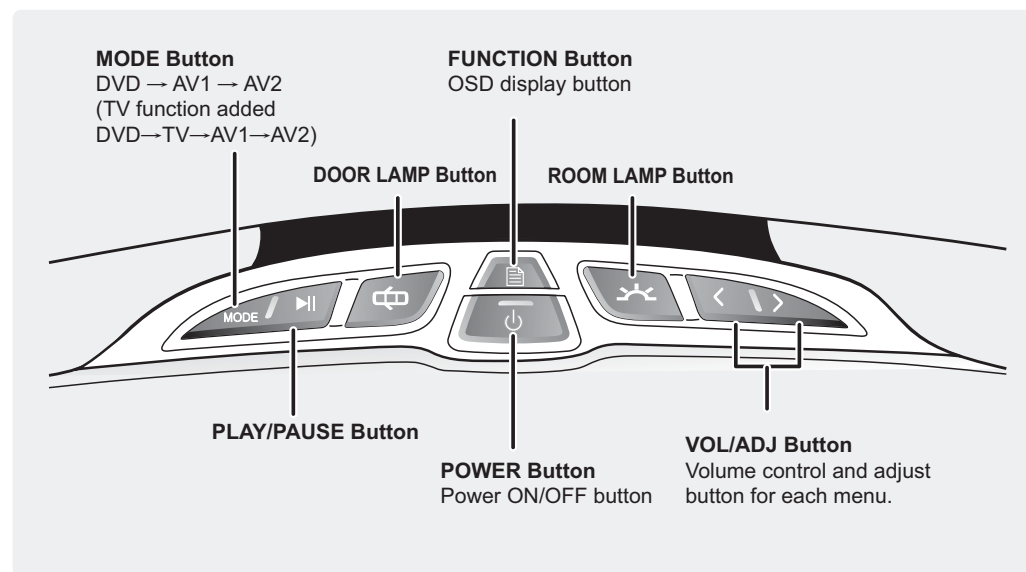
1. The operating temperature of this product is limited to $-4^{\circ}\text{F} \sim +176^{\circ}\text{F}$. Your vehicle can reach temperatures up to 212°F in the summertime.
2. From time to time when your vehicle is extremely hot or cold you must allow time for your air conditioner or heater to cool or heat the vehicle and for operating temperatures to return to normal operating ranges. Your monitor will return to its normal functions when these operating ranges are achieved.
3. Your optimum picture quality is achieved when you are directly in front of the monitor (+/-30 degrees).
4. Do not open covers and repair yourself. Refer servicing to qualified personnel.
5. DVD Players use an invisible laser beam which can cause hazardous radiation exposure. Be sure to operate the unit correctly as instructed.
6. Do not cut the car power supply off while a disc is playing. It can cause damage to the DVD Player.

Name And Function Of Each Parts

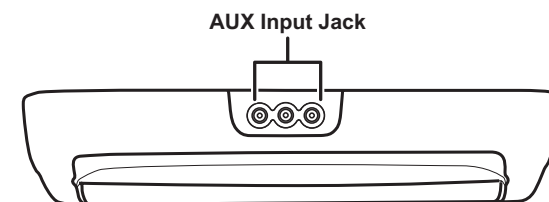
● Unit



Name And Function Of Each Parts



※ **Caution**
Do not bring magnetic devices
such as credit card or magnetic
card near the monitor..



Name And Function Of Each Parts

Remote Controller

EJECT button
OPEN/CLOSE the disc tray.

TITLE button
Use to display the title menu of the loaded DVD disc.

ARROW button
Use to move to the desired menu.

ENTER button
Use to select the menu item.

DISPLAY button
Shows information of elapsed or remaining time of a chapter or a title.

FR button
Use to play reverse silently.

STOP button
Stops disc play.

SLOW button
Use to play slow silently.

FF button
Use to play forward silently.

PREVIOUS button
Use to move to the previous chapter of track.

PLAY/PAUSE button
Begins/pauses disc play.

NEXT button
Use to move to the next Chapter or track.

REPEAT button
Repeats part or all of a chapter, title or track, or an entire disc.

MONITOR CONTROL

POWER button
Turns on the Monitor.

FUNCTION button
Use to adjust the picture settings.

ADJ +/- button
Adjustment in each mode.
(These functions are valid for only some products.)

POWER button
Turns the DVD Player & Unit on or off.

MODE button
DVD → AV1 → AV2
(TV function added
DVD→TV→AV1→AV2)

SETUP button
Use to set various functions according to your individual preference.
(Auto Memory : Not use)

MENU button
Shows the menus.
(ADD/DEL : Not use)

MUTE button
Use to cut the sound on or off.

ZOOM button
Zoom in on picture.

AUDIO button
selects the setting of the desired audio output.

SUB-T button
Changes the subtitle language to another (available) language.

NTSC/PAL button
Select the NTSC/PAL in condition of DVD mode.

PBC (Play Back Control) button
When you play a VCD 2.0 disc the root menu screen will be displayed on the monitor.

NUMERIC button
Use when making a selection on the menu screen.

MOTOR button
Monitor Angle Adjustment.

ANGLE button
This button can control the preset camera angle.


GOTO button
Use to search a title or a chapter of your DVD disc.


A-B button
Repeat the selected segment.
(Audio or Video)

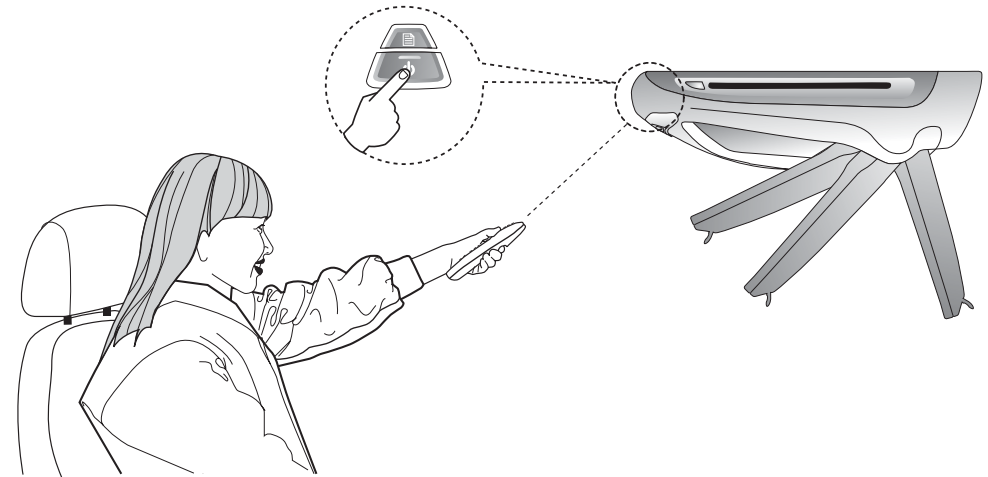
VOL +/- button
Increases the volume. / Decreases the volume.

Power And Mode Selection

Power ON/OFF

Press the  button on the remote control or on the unit to turn the power on and releasing the monitor automatically.

Press the  button to turn the power off and close the monitor automatically.



Monitor Angle Adjustment

Control the Monitor Angle as your taste.

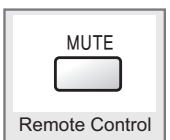
Whenever press the **MOTOR** ▲/▼ buttons, monitor angles will be changed 3 steps.

Mute Function

Mute the audio sound.

1. Press the **MUTE** button on the remote control, displayed **"Mute"** on the monitor and mute the audio sound.

2. When mute is on, press the **MUTE** button again on the remote control, displayed **"Mute Off"** on the monitor and play the audio sound.



Power And Mode Selection

● Volume Control

Control the audio volume as your taste.

The audio volume is controlled by pressing the **VOL +/-** buttons on the remote control, When function menu is not displayed on the screen, you can Adjust the volume by pressing **</>** buttons on the unit as well.

※ Volume Control consist of **20** steps.

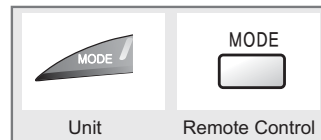
● Mode Setting

Select the desired mode by pressing the **MODE** button on the unit or on the remote control.

Mode will be changed as belowed mode.

DVD → AV1 → AV2

(TV function added DVD → TV → AV1 → AV2)



● DVD Mode

1. Select the **DVD** mode by pressing the **MODE** button on the unit or on the remote control.

2. Insert a disc you want to play into the loading disc slot with label side up.

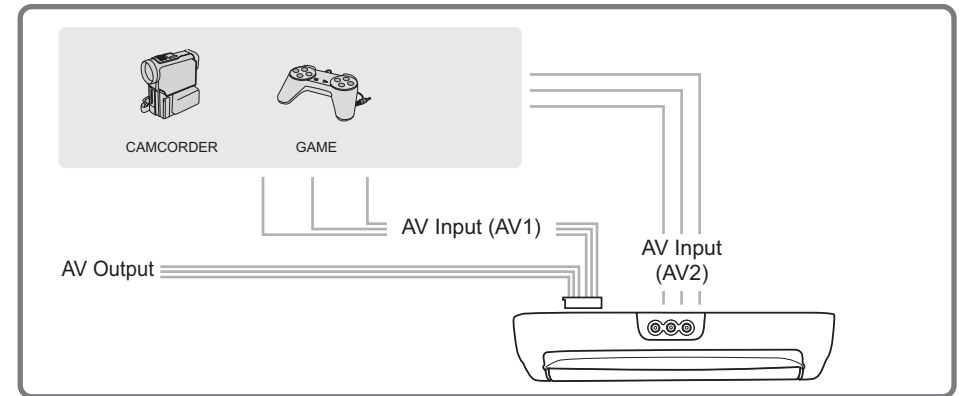


※ When powered off or except DVD mode (released monitor), insert the disc to turn the power on and play the disc automatically.

Power And Mode Selection

● AUX (AV1/AV2) Mode

1. Connect the external devices as shown below (refer **Connection Diagram**).



2. Turn the power on the unit and external devices.


3. Select the **AV1** or **AV2** mode by pressing the **MODE** button on the unit or on the remote control.

4. Play the external device.


Picture Control

● CONTRAST/BRIGHT/COLOR/TINT

Select the one of **CONTRAST/BRIGHT/COLOR/TINT** and change the picture condition as your taste.

1. Bring up the on-screen function menu by pressing the  button on the unit or the **FUNCTION** button on the remote control.

FUNCTION		
①	CONTRAST	50
⚙	BRIGHT	40
②	COLOR	40
🎨	TINT	25
🔊	BASS	0
🔊	TREBLE	+7
📻	FM TX	88.3
📺	SCREEN	WIDE

2. Select the desired menu by pressing the  button on the unit or the **FUNCTION** on the remote control. Highlight the desired function to change Contrast, Bright, Color, Tint etc.

FUNCTION		
①	CONTRAST	50
⚙	BRIGHT	40
②	COLOR	40
🎨	TINT	25
🔊	BASS	0
🔊	TREBLE	+7
📻	FM TX	88.3
📺	SCREEN	WIDE

3. Control the desired screen conditions by pressing the **< / >** buttons on the unit or the **ADJ -/+** buttons on the remote control.


FUNCTION		
①	CONTRAST	50
⚙	BRIGHT	40
②	COLOR	30
🎨	TINT	25
🔊	BASS	0
🔊	TREBLE	+7
📻	FM TX	88.3
📺	SCREEN	WIDE

※ When system mode is changed from NTSC to PAL, there is no available TINT setting.


Screen Mode

● SCREEN

Select the desired screen modes as your taste.

1. Bring up the on-screen function menu by pressing the  button on the unit or the **FUNCTION** button on the remote control.

FUNCTION		
①	CONTRAST	50
⚙	BRIGHT	40
②	COLOR	40
🎨	TINT	25
🔊	BASS	0
🔊	TREBLE	+7
📻	FM TX	88.3
📺	SCREEN	WIDE

2. Select the **SCREEN** menu by pressing the  button on the unit or the **FUNCTION** button on the remote control.

FUNCTION		
①	CONTRAST	50
⚙	BRIGHT	40
②	COLOR	40
🎨	TINT	25
🔊	BASS	0
🔊	TREBLE	+7
📻	FM TX	88.3
📺	SCREEN	WIDE

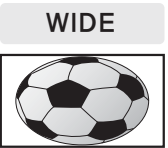
3. Select the desired **SCREEN** mode by pressing the **< / >** buttons on the unit or the **ADJ -/+** buttons on the remote control.

FUNCTION		
①	CONTRAST	50
⚙	BRIGHT	40
②	COLOR	40
🎨	TINT	25
🔊	BASS	0
🔊	TREBLE	+7
📻	FM TX	88.3
📺	SCREEN	WIDE

※ Each Modes will be displayed as below;




The screen will be the standard 4:3 ratio.




The screen will be magnified to the ratio of 16:9 on the left and right sides.

Sound Control

● BASS/TREBLE

1. Bring up the on-screen function menu by pressing the  button on the unit or the **FUNCTION** button on the remote control.

FUNCTION		
① CONTRAST	50	
⚙ BRIGHT	40	
⌚ COLOR	40	
🎨 TINT	25	
🔊 BASS	0	
🔊 TREBLE	+7	
📻 FM TX	88.3	
📺 SCREEN	WIDE	

2. Select the **BASS/TREBLE** menu by pressing the  button on the unit or the **FUNCTION** button on the remote control.

FUNCTION		
① CONTRAST	50	
⚙ BRIGHT	40	
⌚ COLOR	40	
🎨 TINT	25	
🔊 BASS	0	
🔊 TREBLE	+7	
📻 FM TX	88.3	
📺 SCREEN	WIDE	

3. Control the Audio quality by pressing the **< / >** buttons on the unit or the **ADJ +/-** buttons on the remote control.



FUNCTION		
① CONTRAST	50	
⚙ BRIGHT	40	
⌚ COLOR	40	
🎨 TINT	25	
🔊 BASS	0	
🔊 TREBLE	+2	
📻 FM TX	88.3	
📺 SCREEN	WIDE	

DVD Setup







■ Setup Menu-Main Page

⊘ An invalid button press.

When this symbol appears, it indicates that an invalid button has been pressed. There are some differences between real functions and functions in manual.

When the  button is pressed, the monitor screen shows the setup menu as shown below. After select the desired menu by using  button on the remote control. It is played as a fixed mode by pressing enter button.

1. Press the  button, if the disc plays.

• •

General Setup Page

• •

TV Display

PS

Angle Mark

On

OSD Lang

ENG

Captions

On


Screen Saver


On

Last Memory

On

Go To General Setup Page

2. Use the  button to find desired items.

3. To turn off the **SETUP** menu, press the  button again.

DVD Setup

■ 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 "WIDE type, choose "WIDE". If it is of "4:3" type, choose NORMAL/PS(Pan & Scan) or NORMAL/LB(Letter BOX).



Normal / PS 4:3 PAN SCAN

Choose this setting if you want the movie to fill the entire screen.
(This might mean that the left and right edges won't be seen)



Normal / LB 4:3 LETTERBOX

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

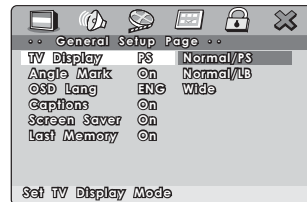


Wide 16:9 WIDE SCREEN

Choose this setting if your DVD Player is connected to a widescreen TV.
(This option is available only if the disc has a 16:9 display aspect ratio.)

Caution

This option is available only when the disc has the function.

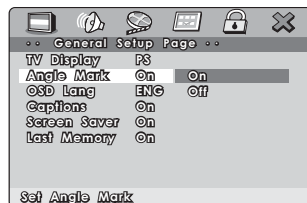


2. Angle Mark

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

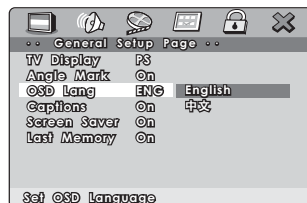
On : When selected, the screen will be shown with angle mark.

Off : When selected, no angle mark is shown on the screen.



3. OSD Lang

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



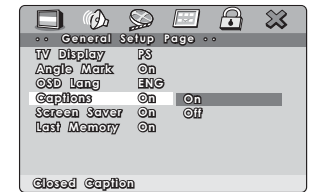
DVD Setup

4. Captions

Adjust caption selection.

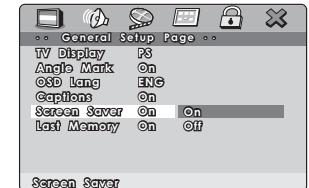
On : Choose this setting to display captions.

Off : Choose this setting to close captions.



5. Screen Saver

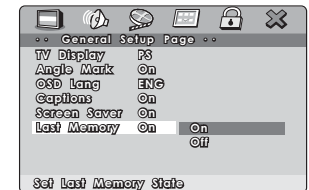
The screen saver is useful to prevent your display from becoming damaged. The screen saver picture appears when you leave the DVD player in stop mode for about two minutes.



6. Last Memory

Adjust last memory selection.
when start your car or turn on/off the DVD player, search the latest played scene.

When eject and close the disc, this function is not working.



■ Audio Setup

1. Dolby Digital Setup



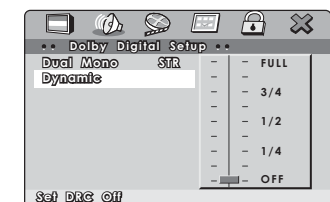
Dual Mono

Use this function to set the input audio signal to fit into the speaker.



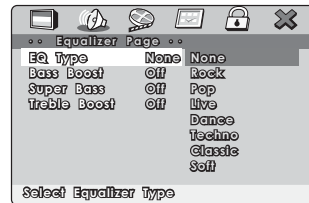
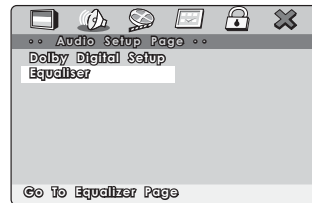
Dynamic

Use this function to change the setting from the factory. - Preset Off position.



DVD Setup

2. Equalizer



EQ Type

This unit can produce a 3D surround effect, using 3D Surround Sound technology.

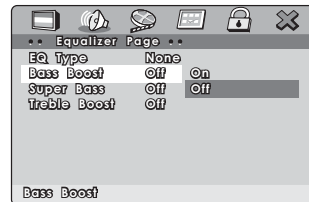
Choose the desired preset equalizer mode.

(None, Rock, Pop, Live, Dance, Techno, Classic, Soft)



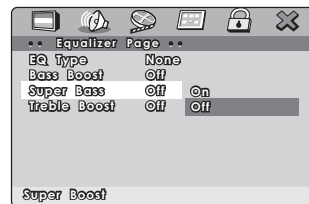
Bass Boost

This Function is enhanced at low levels without distorting other frequencies.



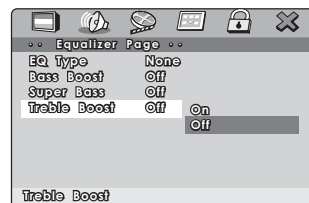
Super Bass

This function is more enhanced at low levels without distorting other frequencies.



Treble Boost

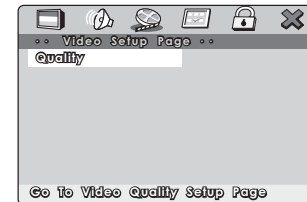
This function is enhanced at high levels without distorting other frequencies.



DVD Setup

Video Setup

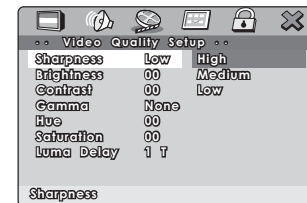
1. Quality



Sharpness

Use this option to select screen sharpness.

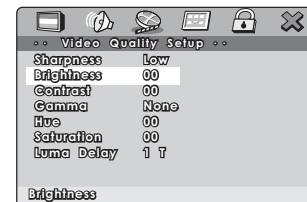
Select screen sharpness using the direction ▲/▼ buttons and press the ENTER button..



Brightness

Use this option to select screen brightness.

Adjust overall screen brightness using the direction ◀/▶ buttons and press the ENTER button.

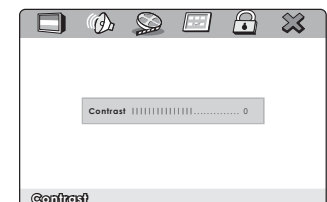
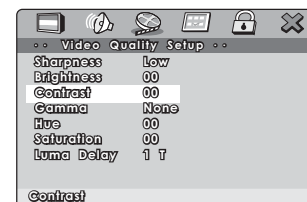


Contrast

Use this option to select screen contrast.

Select screen contrast using the direction ◀/▶ buttons and press the ENTER button.

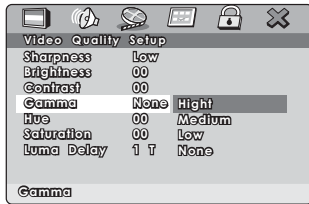
Contrast adjusts the image quality by increasing or decreasing the ratio of bright and dark screen section.



DVD Setup

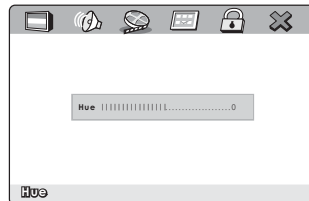
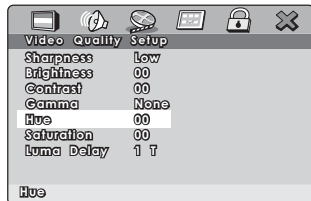
Gamma

Select screen gamma using the direction ▲/▼ buttons and press the ENTER button. Gamma adjustment is to revive the dark screen section by raising the level of dark section, while leaving the bright screen section unchanged.



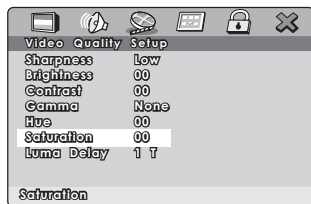
Hue

Select screen hue level using the direction ◀/▶ buttons and press the ENTER button.



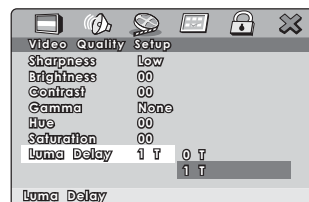
Saturation

Select screen saturation level using the direction ◀/▶ buttons and press the ENTER button.



Luma Delay

Select the Luma Delay menu and select the preferred video image quality.



DVD Setup

■ Preference

This Menu is not available when play the disc.

1. TV Type

Choose a proper operating setting according to the color system of the TV Type - Multi system, NTSC, PAL.

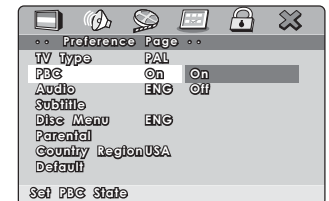
- 1) Press the SETUP button during stop mode.
- 2) Press the ◀/▶ buttons to move to Preference.
- 3) Press the ▲/▼ buttons to move to TV Type.
- 4) Press the ENTER button.
- 5) Press the ▲/▼ buttons to select TV Type.



2. PBC (Paly Back Control)

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

- 1) Press the SETUP button during stop mode.
- 2) Press the ◀/▶ buttons to move to Preference.
- 3) Press the ▲/▼ buttons to move to PBC.
- 4) Press the ENTER button.
- 5) Press the ▲/▼ buttons to select On/Off.



3. 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 subtitles in that language.

- 1) Press the SETUP button during stop mode.
- 2) Press the ◀/▶ buttons to move to Preference.
- 3) Press the ▲/▼ buttons to move to Audio.
- 4) Press the ENTER button.
- 5) Press the ▲/▼ buttons to select desired audio language.



4. 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 subtitles in that.

- 1) Press the SETUP button during stop mode.
- 2) Press the ◀/▶ buttons to move to Preference.
- 3) Press the ▲/▼ buttons to move to Subtitle.
- 4) Press the ENTER button.
- 5) Press the ▲/▼ buttons to select desired subtitle.



5. 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 button during stop mode.
- 2) Press the ◀/▶ buttons to move to Preference.
- 3) Press the ▲/▼ buttons to move to Disc Menu.
- 4) Press the ENTER button.
- 5) Press the ▲/▼ buttons to select Disc Menu.



6. 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, ect.). You decide which ratings require a password and which ones don't.

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



7. Country Region

Select parental region by pressing Country Region on the screen.

- 1) Press the SETUP button when stop mode.
- 2) Press the ◀/▶ buttons to move to Preference.
- 3) Press the ▲/▼ buttons to move to Country Region.
- 4) Press the ENTER button.
- 5) Press the ▲/▼ buttons to select desired Country Region.



8. Default

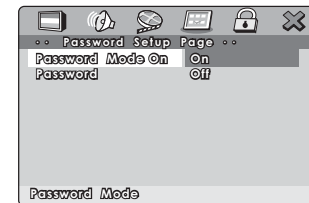
If user selects reset from the setup menu, all the value of setup menu will be initialized by factory setting value. (Exception: Parental level, Region code and Password values will not be changed)

- 1) Press the SETUP button when stop mode.
- 2) Press the ◀/▶ buttons to move to Preference.
- 3) Press the ▲/▼ buttons to move to Default.
- 4) Press the ENTER button to select reset.



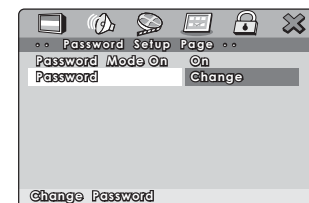
■ Password Setup

1. Password Mode



2. Password Change

- 1) Select "Password Setup" sub item.
- 2) Enter your old password, and new password in 6 digits. (The default password code is 000000)
- 3) Re-enter new password for confirmation then press the ENTER button.



DVD Functions

EJECT

Pressing the EJECT button changes the play mode as the text to the right illustrates. When you insert your DVD disc into the DVD player, "LOADING" will appear on the screen. Then the DVD disc is played automatically.

VOL+ / VOL-

To adjust the audio output level of the speaker from 0 to 20.

MUTE



Pressing of the MUTE button changes the play mode.

OSD	CONDITION
Mute	Mute
Mute off	Mute Off

PLAY OR PAUSE

[DVD] / [AUDIO] / [MP3]

Use this button to select a particular scene or play the disc. Most DVD discs will play automatically.

OSD	CONDITION
	Play Disc
	Pause

AUDIO

[DVD]

Change the audio output type.
(If the loaded disc supports available audio type.)

OSD	CONDITION
1/2 : AC3 2CH English	2 Channel
2/2 : AC3 5.1CH English	5.1 Channel

[VCD] / [AUDIO]

Changes the audio output type.
(If the loaded disc supports available audio type.)

OSD	CONDITION
Stereo	Stereo
Mono Left	Mono Left
Mono Right	Mono Right
Mix Mono	Mix Mono

[MP3]

An invalid button press.

DVD Functions

STOP

[DVD] / [AUDIO]

Press the STOP button and stop the movie.
And then Press the Play/Pause button and will display the last scene of the movie.
Press the Stop button two times and stop the movie. And then Press the Play/Pause button and will display the first scene of the movie.

OSD	CONDITION
1 Time Press Play Key To Continue	Stop
2 Time	Disc Stop

[MP3]

Press the STOP button and stop the Disc.
And then Press the Play/Pause button and will display the first file of the Disc.

OSD	CONDITION
1 Time Stop	Stop

ARROWS

[DVD]

When display the DVD in ZOOM mode, you can change position by using ARROW button.

[AUDIO]

An invalid button press.

[MP3]

After pressing STOP button, select the desired folder and set the condition by pressing ENTER button.

SETUP

Use to set various functions according to your individual preference.

MENU

[DVD]

The menu of a DVD disc varies.
The content of the menu on the screen is dependent on the particular DVD.

[AUDIO] / [MP3]

An invalid button press.

DVD Functions

DISPLAY

[DVD]

Pressing button DISPLAY on the remote control changes the play mode as follows:

OSD	CONDITION
Title Elapsed	Display the Title Elapsed
Title Remain	Display the Title Remain
Chapter Elapsed	Display the Chapter Elapsed
Chapter Remain	Display the Chapter Remain
Display Off	No sign

[VCD]

Whenever press the button, title chapter will be displayed as follows:

OSD	CONDITION
Single Elapsed	Display time
Single Remain	Left display time
Display Off	No sign

[AUDIO]

Pressing display button displays information about the current CD on the screen as follows:

OSD	CONDITION
Single Elapsed	Display the single elapsed
Single Remain	Display the single remain
Total Elapsed	Display the total elapsed
Total Remain	Display the total remain

[MP3]

Your DVD player will display the counter automatically when you play the MP3 disc.

NUMBER BUTTONS

[DVD]

The 0 through 9 number buttons are used to enter the number of the track, the number of the DVD chapter, time data, etc.

[AUDIO]

You can select a track by pressing the corresponding number button.

OSD	CONDITION
Select Track : __	Select track no

[MP3]

You can select a track in the folder by pressing the corresponding number button.

OSD	CONDITION
__ : __	Select track no

DVD Functions

SUBTITLE

[DVD]

This button is used to select the language for on-screen display messages. (The title menu is different, depending on the particular DVD.)

[AUDIO] / [MP3]

An invalid button press.

TITLE

[DVD]

Used to display the title menu of the loaded DVD disc. (This function is disc-dependent.)









[AUDIO] / [MP3]

An invalid button press.

SLOW

[DVD] / [VCD]

Used to play a disc in slow forward or slow reverse. This allows you to search forward three steps to reverse three steps.
slow forward play : press slow button.
slow rewind play : press slow button and forward button again. (not in work VCD)

OSD	CONDITION
 1/2	2X slow forward
 1/4	4X slow forward
 1/8	8X slow forward
 1/16	16X slow forward
 1/2	2X slow rewind
 1/4	4X slow rewind
 1/8	8X slow rewind
 1/16	16X slow rewind
PLAY	play

[AUDIO] / [MP3]

An invalid button press.

DVD Functions

FAST REVERSE SEARCHING

[DVD]

Pressing FR button changes the play mode as follows:

OSD	CONDITION
FR 2X	2X rewind search
FR 4X	4X rewind search
FR 8X	8X rewind search
FR 16X	16X rewind search
FR 32X	32X rewind search
PLAY	play

[AUDIO] / [VCD]

Pressing FR button changes the play mode as follows:

OSD	CONDITION
FR 2X	2X rewind play
FR 4X	4X rewind play
FR 8X	8X rewind play
FR 16X	16X rewind play
FR 32X	32X rewind play
PLAY	play

[MP3]

Pressing FR button changes the play mode as follows:

OSD	CONDITION
FR 2X	2X rewind play
FR 4X	4X rewind play
FR 8X	8X rewind play
FR 16X	16X rewind play
FR 32X	32X rewind play
PLAY	play

FAST FORWARD SEARCHING

[DVD]

Pressing FF button changes the play mode as follows:

OSD	CONDITION
FF 2X	2X forward search
FF 4X	4X forward search
FF 8X	8X forward search
FF 16X	16X forward search
FF 32X	32X forward search
PLAY	play

[AUDIO] / [VCD]

Pressing FF button changes the play mode as follows:

OSD	CONDITION
FF 2X	2X forward play
FF 4X	4X forward play
FF 8X	8X forward play
FF 16X	16X forward play
FF 32X	32X forward play
PLAY	play

[MP3]

Pressing FF button changes the play mode as follows:

OSD	CONDITION
FF 2X	2X forward play
FF 4X	4X forward play
FF 8X	8X forward play
FF 16X	16X forward play
FF 32X	32X forward play
PLAY	play

DVD Functions

PREV

[DVD] / [VCD]

Used to move to the previous chapter from the current chapter.

[AUDIO] / [MP3]

Used to move to the previous track.

NEXT

[DVD] / [VCD]

Used to move to the next chapter from the current chapter.

[AUDIO] / [MP3]

Used to move to the next track from the current track.

REPEAT A-B

[DVD] / [VCD] / [AUDIO]

Press this button to repeat the selected segment. The selected segment will be repeated automatically until canceled.

OSD	CONDITION
	start point of repeat
	ending point repeat function

[MP3]

An invalid button press.

DVD Functions

REPEAT

[DVD]

Pressing REPEAT button changes the play mode as follows:

OSD	CONDITION
Chapter	repeat chapter
Title	repeat title
All	all
	repeat off

[AUDIO]

Pressing REPEAT button changes the play mode as follows:

OSD	CONDITION
Track	repeat single
All	all
	repeat off

[VCD]

An invalid button press.

[MP3]

Use to change the play mode. Pressing REPEAT button changes the play mode as follows:

OSD	CONDITION
Repeat One	single
Repeat Folder	repeat folder
Folder	repeat folder one time
Shuffle	all
Random	random play
Single	single play

NTSC/PAL

Select the NTSC/PAL/MULTI in condition of DVD mode.

ANGLE

Select "ON" for watching other camera angle. This button can't control the preset camera camera angle.

DVD Functions

PBC

[DVD] / [AUDIO] / [MP3]

An invalid button press.

[VCD]

You can turn the PBC (Play Back Control) function on or off by pressing this button. When PBC is loaded, the PBC function is enabled automatically. This function is similar as selection of DVD title. (not available with MP3)

ZOOM

[DVD]

Pressing ZOOM button changes the play mode as the text to the right illustrates.

OSD	CONDITION
2 X	ZOOM x 2
3 X	ZOOM x 3
4 X	ZOOM x 4
1/2	ZOOM x 1/2
1/3	ZOOM x 1/3
1/4	ZOOM x 1/4
	Off

[VCD] / [AUDIO] / [MP3]

An invalid button press.

GOTO

When Watching DVD available to control the Menu.

Title

Move to the desired title.

Chapter

Move to the desired chapter.

Audio

Selects the desired audio output.

Subtitle

Select the desired subtitle.

Angle

Watch the different view angle.

TT Time

Total time.

CH Time

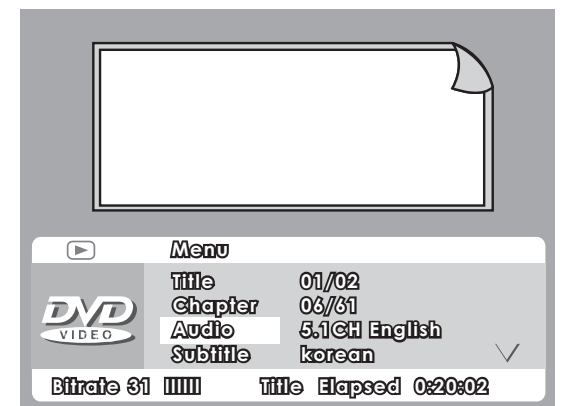
Chapter time.

Repeat

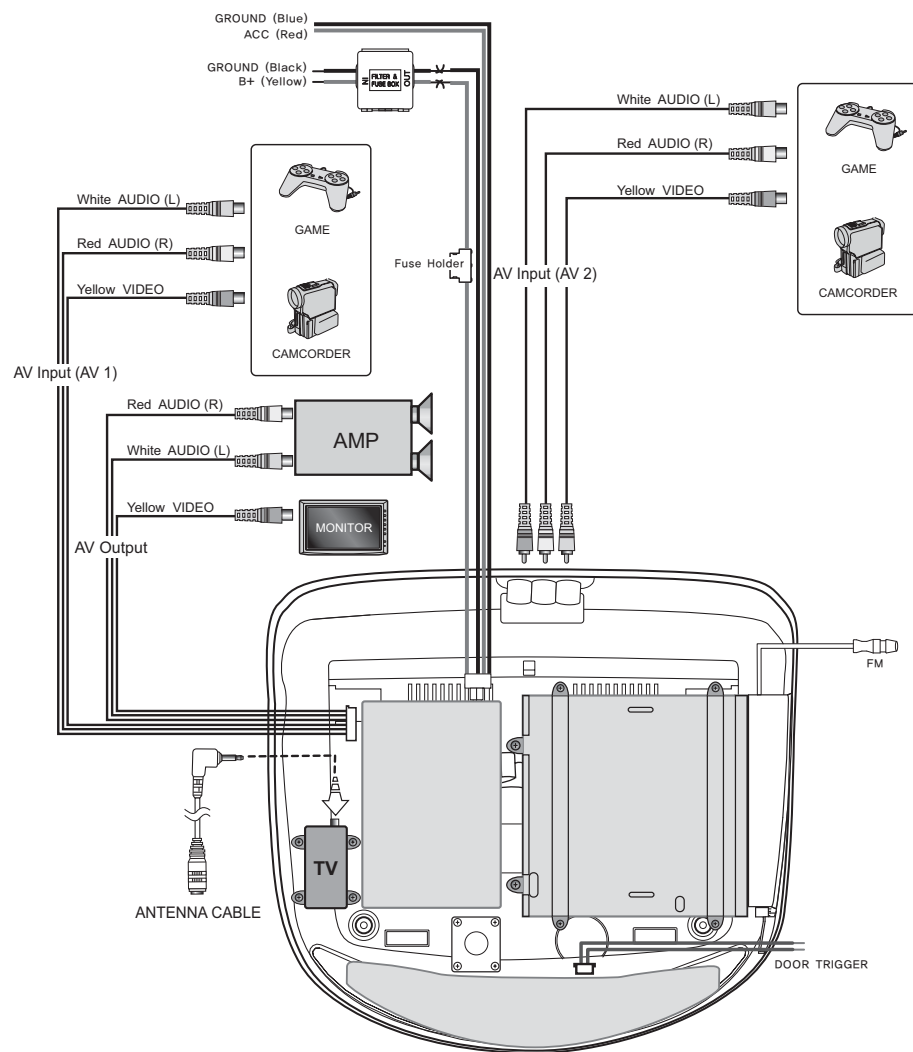
Sets the repeat play.

Time Display

Watch play time.



Connection Diagram

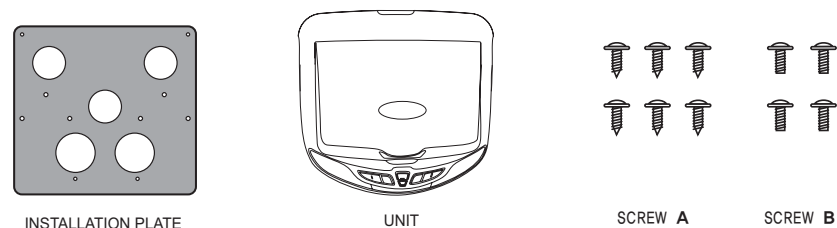


* How to connect the DOOR TRIGGER wire.

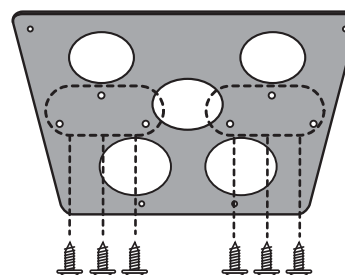
1. Connect the power cable and press the DOOR button on the unit.
2. Open the door and connect the +/- trigger wire with door trigger on the car, if lamp is on, please connect this wire with car door trigger.

Installation

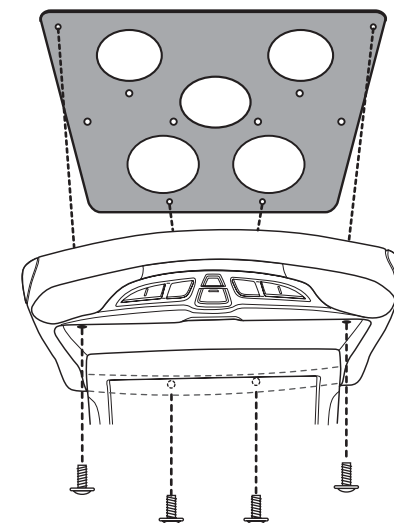
1. Open the color box and check the contents.



2. Connect the external devices RCA cable or AV output.
(refer the connection diagram)



3. Match the position of installation bracket and installation plate with screw A.



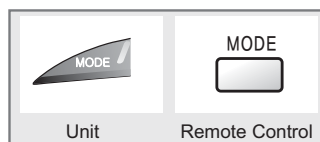
4. Tighten the unit with the supplied screw B.

Optional Specification

Watching TV is an optional function which requires an additional part. If you want to install this function, please contact the closest installation shop or regional dealer.

● TV Mode

1. Install the **TV module** on the product.
Please check the **Connection Diagram** on the manual.
2. Select the **TV mode** by pressing the **MODE** button on the unit or on the remote control.



● How To Select Channels Automatically

1. Press the **SETUP (A.MEMO)** button on the remote control to select all available channels automatically.
 - ※ Channel may not be selected in a bad RF signal region.
 - ※ Press the **SETUP (A.MEMO)** button on the remote control after switching the Etc mode on the remote control.
2. After finishing the search channels select channel to be viewed.
 - ※ If you want to skip the Auto channel select, press whichever button on the remote control.

● How To Add And Delete Channels By Manual

Use to add or delete the channel according to preference.

1. Select the channels as you want by pressing the **0~9** number buttons or the **◀/▶** buttons on the remote control.
2. Select add or delete the channels by pressing the **MENU (ADD/DEL)** button on the remote control.
 - ADD** : Add the channels those are not in the memorized channels.
 - DEL** : Delete the channels those are not in the memorized channels.

Optional Specification

● How To Select Channel

1. Channels select on the **SKIP** mode.
 - Display the TV channels only the memorized channels.
 - Select the desired channel by pressing the **▲/▼** buttons on the remote control.
2. Channels select on the **SEARCH** mode.
 - Select the channel and move one step manually.
 - Select the desired channel control the **◀/▶** buttons on the remote control.
3. Press Number buttons
 - Select the desired channels by pressing the **0~9** number buttons on the remote control.


ex : If you want to select **29** channel,

- ① When press the number "2" on the remote control, display the "2-" on the right edge of monitor screen.
- ② Press number "9", and then switch the channel "29".


Optional Specification

● FM TX

Listening to the audio portion of the disk through your automotive speakers.

1. Bring up the on-screen function menu by pressing the  button on the unit or the **FUNCTION** button on the remote control.

FUNCTION		
①	CONTRAST	50
⚙	BRIGHT	40
⊕	COLOR	40
🎨	TINT	25
🔊	BASS	0
🔊	TREBLE	+7
📻	FM TX	88.3
📺	SCREEN	WIDE

2. Select the **FM TX** menu by pressing the  button on the unit or the **FUNCTION** button on the remote control.

FUNCTION		
①	CONTRAST	50
⚙	BRIGHT	40
⊕	COLOR	40
🎨	TINT	25
🔊	BASS	0
🔊	TREBLE	+7
📻	FM TX	88.3
📺	SCREEN	WIDE

3. Adjust the **Radio frequency** from **88.3MHz~90.1MHz** by pressing the **< / >** buttons on the unit or the **ADJ -/+** buttons on the remote control.

FUNCTION		
①	CONTRAST	50
⚙	BRIGHT	40
⊕	COLOR	40
🎨	TINT	25
🔊	BASS	0
🔊	TREBLE	+7
📻	FM TX	90.1
📺	SCREEN	WIDE

4. After setting the Radio frequency, control the radio volume.

※ When **FM TX** is not working, you can hear the sound through **IR headphone**. (IR headphone is optional items)

Disc Information

DVD features

DVD discs provide high-resolution images with high-quality sound and surround sound effects. This DVD player can play not only DVD discs of various versions, but also S-VCD, VCD, audio CD and MP3 discs. Each disc plays only the information saved on it, and some functions cannot be utilized.

Discs that cannot be played

DVD-RW, DVD-REM, CD-ROM, CD-EXTRA discs cannot be played on this unit. Also, a CD or a CD-RW which was recorded on special software cannot be played.

Region code

Your DVD player is designed and manufactured to region management information that is recorded on a DVD disc. Please check the region code.

1 : North America 2 : Japan 3 : Korea and Southeast Asia
4 : Australia, Mid & South America 5 : Russia 6 : China

Copyright protection

This product incorporates copyright protection technology that is protected by methods claims of certain U.S. patents and other intellectual property rights owned by the Macrovision Corporation and other rights. Owner's use of this copyright protection technology must be authorized by the Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by the Macrovision Corporation.

How to handle the disc

Don't touch the shiny side of the disc (the side with the embedded information).
Don't stick a label or a glue-based note on either side of the disc. Don't use discs that have glue or a damaged gluey label-it might result in damage to your DVD player.
Don't put discs in the sunshine. Park your car in the shade.



Caution

Wipe softly with a wet cloth and then with a dry one.
Before playback, wipe the disc outward from the center with a clean cloth.
Do not use any type of solvent such as thinner, benzene, commercially-available cleaners or antistatic spray.
To avoid damaging your DVD player, don't use a scratched disc.



Troubleshooting

Symptom	Items to Check	Actions to be Taken
Button does not work.	Is the power turned on?	Check the car battery capacity.
No sound	Is the audio which is connected with the audio cable set to receive the DVD signal output? Is audio cable is connected securely? Is the monitor which is connected with the audio cable turned on? Is the digital audio output set in the correct position?	Select the correct input mode for the audio receiver. Connect the audio cable into the jacks securely. Turn on the monitor connected with the audio cable. Set the Digital Audio Output to the correct position, and then turn on the DVD player again by pressing the POWER button.
Remote control does not work properly.	Is the remote control facing at the remote sensor? Is the distance too far? Is there any obstacle in the middle? Is the battery exhausted?	Point the remote control to the remote sensor of the product. Use the remote control within 5m. Remove the obstacle. Replace with new batteries.
Unable to receive TV broadcasting.	Is the antenna connected properly?	Check antenna connection.



Check point

When a disc is brought from a cold environment to a hot one, there may be steam on the face of the disc, or water will appear on the pickup lens. It will be affected disc play.

1. Remove the disc from the DVD player.
2. Turn on the power and leave it on for an hour to vaporize the condensation.
3. You can operate the DVD player without any problems.

Specifications

Power	DC 12V
Screen Format	16 : 9
Resolution	2400 X 480 dots
Brightness	380 cd/m ²
Color System	NTSC / PAL Auto Selection
A/V Input	2 EA
A/V Output	1 EA
Dimension	322(W) X 299(D) X 63(H)mm / 12.6"(W) X 11.7"(D) X 2.4"(H)

Note : This equipment has been tested and has been found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in some case the user will be required to correct the interference at his own expense.