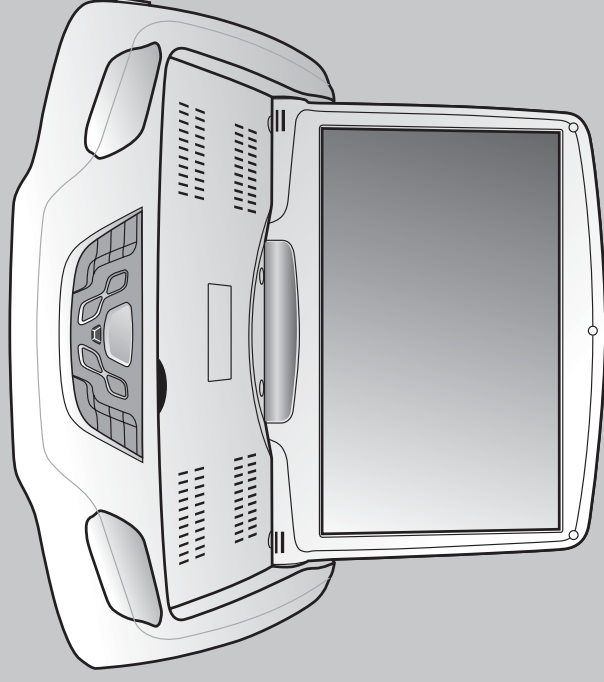


APPENDIX I
: USER'S MANUAL

OWNER'S MANUAL

12" 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	25
■ Name and function of each parts	6	EJECT	25
– Unit	6	VOL +/-	25
– Remote Controller	8	MUTE	25
– Play or Pause	25	PLAY OR PAUSE	25
– Audio	25	AUDIO	25
– Stop	26	STOP	26
– Arrows	26	ARROWS	26
– Setup	26	SETUP	26
– Menu	26	MENU	26
– Display	27	DISPLAY	27
– Number Buttons	27	NUMBER BUTTONS	27
– Subtitle	28	SUBTITLE	28
– Title	28	TITLE	28
– Slow	28	SLOW	28
– Fast Reverse Searching	29	FAST REVERSE SEARCHING	29
– Fast Forward Searching	29	FAST FORWARD SEARCHING	29
– Prev	30	PREV	30
– Next	30	NEXT	30
– Repeat A-B	30	REPEAT A-B	30
– Repeat	31	REPEAT	31
– NTSC/PAL	31	NTSC/PAL	31
– Angle	31	ANGLE	31
– PBC	32	PBC	32
– Zoom	32	ZOOM	32
– Goto	32	GOTO	32
■ Connection Diagram	33	■ Connection Diagram	33
■ Installation	34	■ Installation	34
■ Optional Specification	35	■ Optional Specification	35
– Connection diagram (TV/FM)	35	– Connection diagram (TV/FM)	35
– How to watching TV	36	– How to watching TV	36
TV Mode	36	TV Mode	36
How To Select Channels Automatically	36	How To Select Channels Automatically	36
How To Select and Delete Channels by Manual	36	How To Select and Delete Channels by Manual	36
Channel Mode Setting	37	Channel Mode Setting	37
– FM TX	38	– FM TX	38
■ Disc Information	39	■ Disc Information	39
■ Troubleshooting	40	■ Troubleshooting	40
■ Specifications	41	■ Specifications	41

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 lightning 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

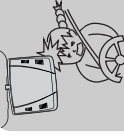
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.



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.

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.

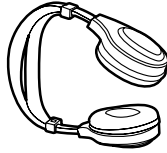
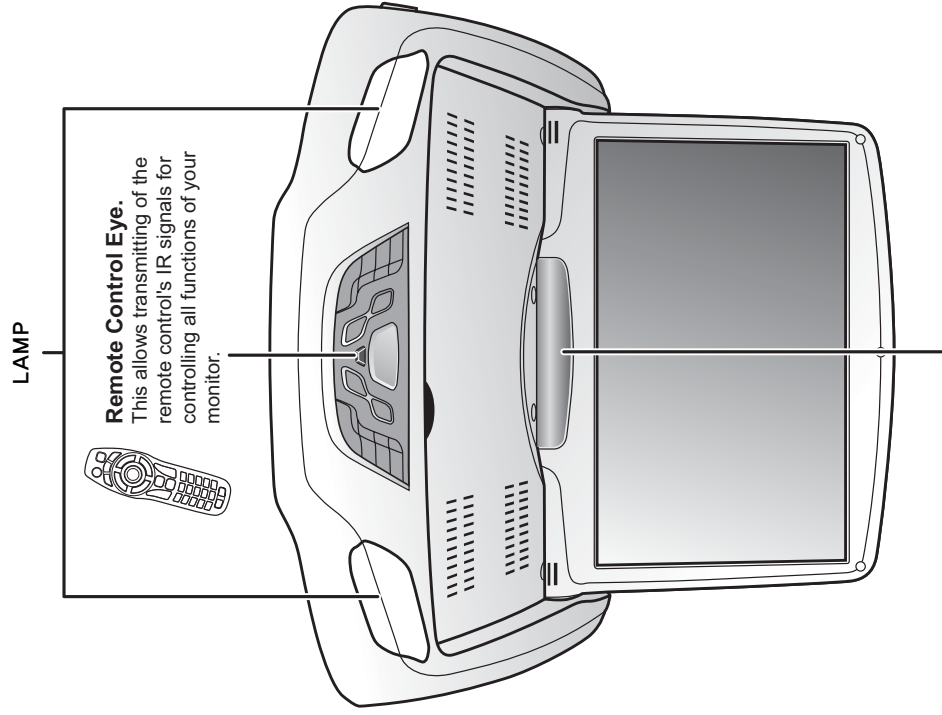


Check Point

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

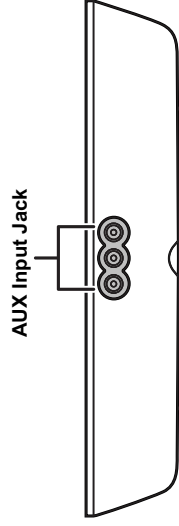
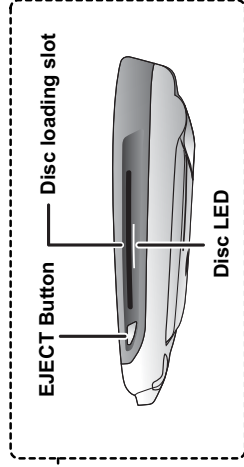
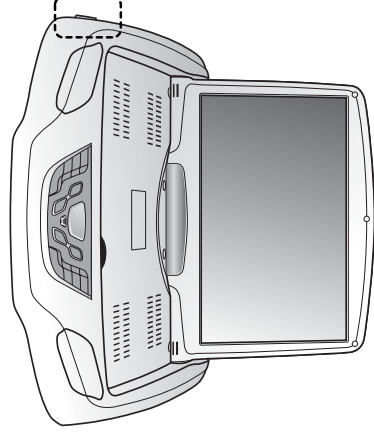
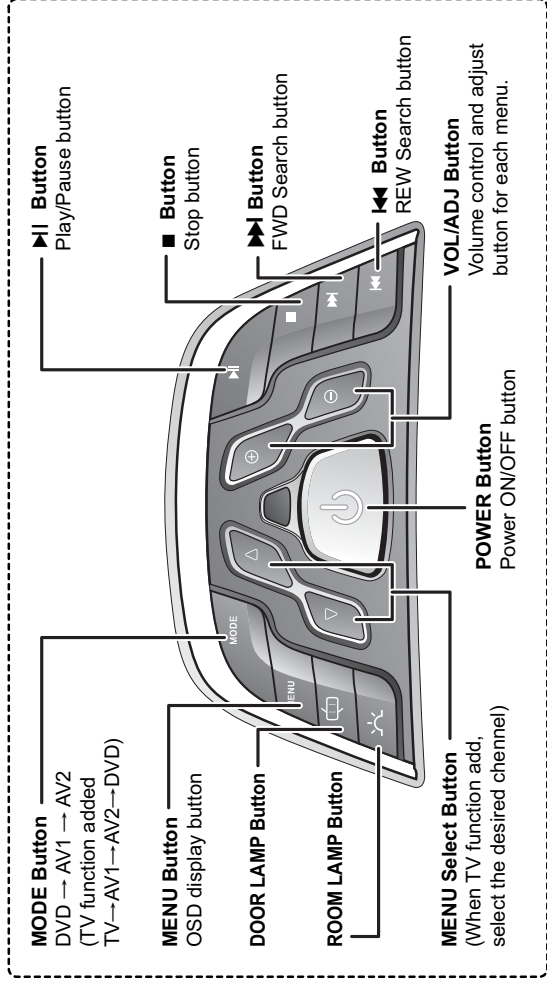
● Unit



Wireless Infrared Receiver.

You can hear the sound of audio sound by using wireless infrared headphone. (Wireless IR headphone is optional accessory)

Name and function of each parts

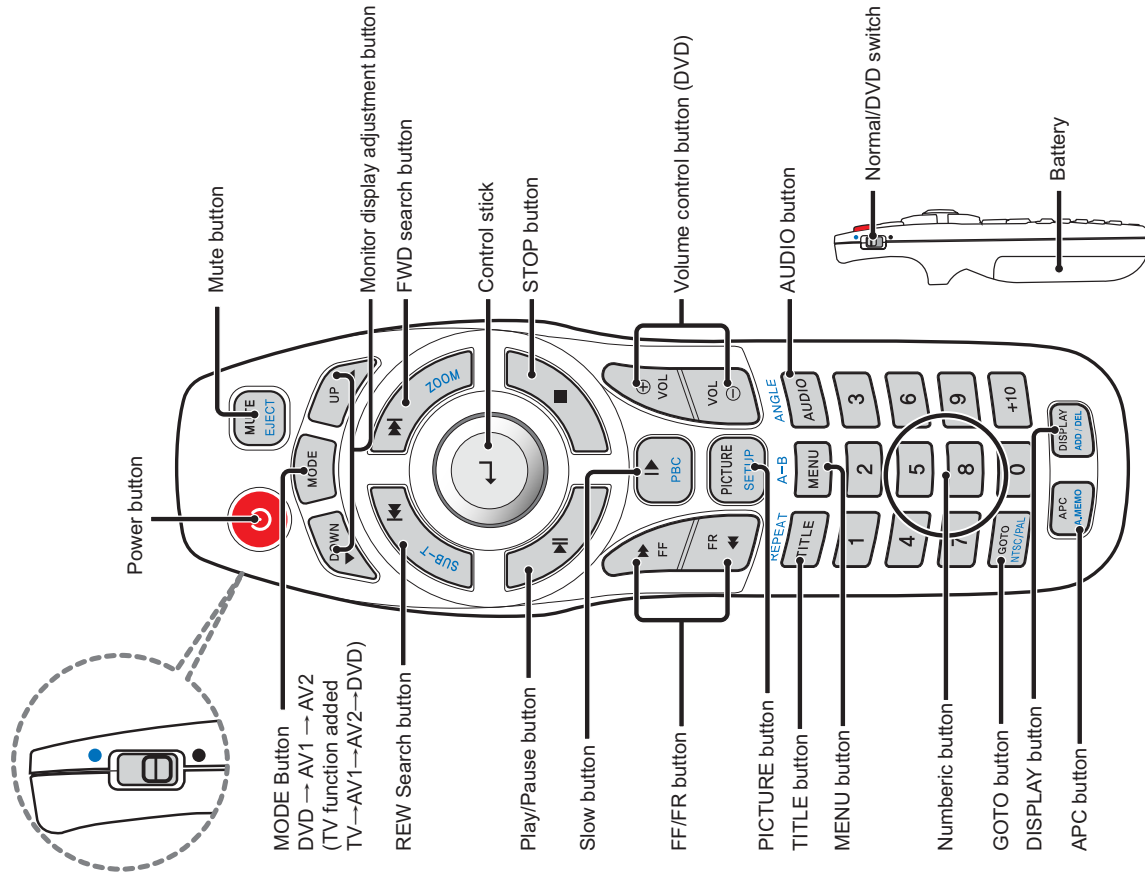


Name and function of each parts

Name and function of each parts

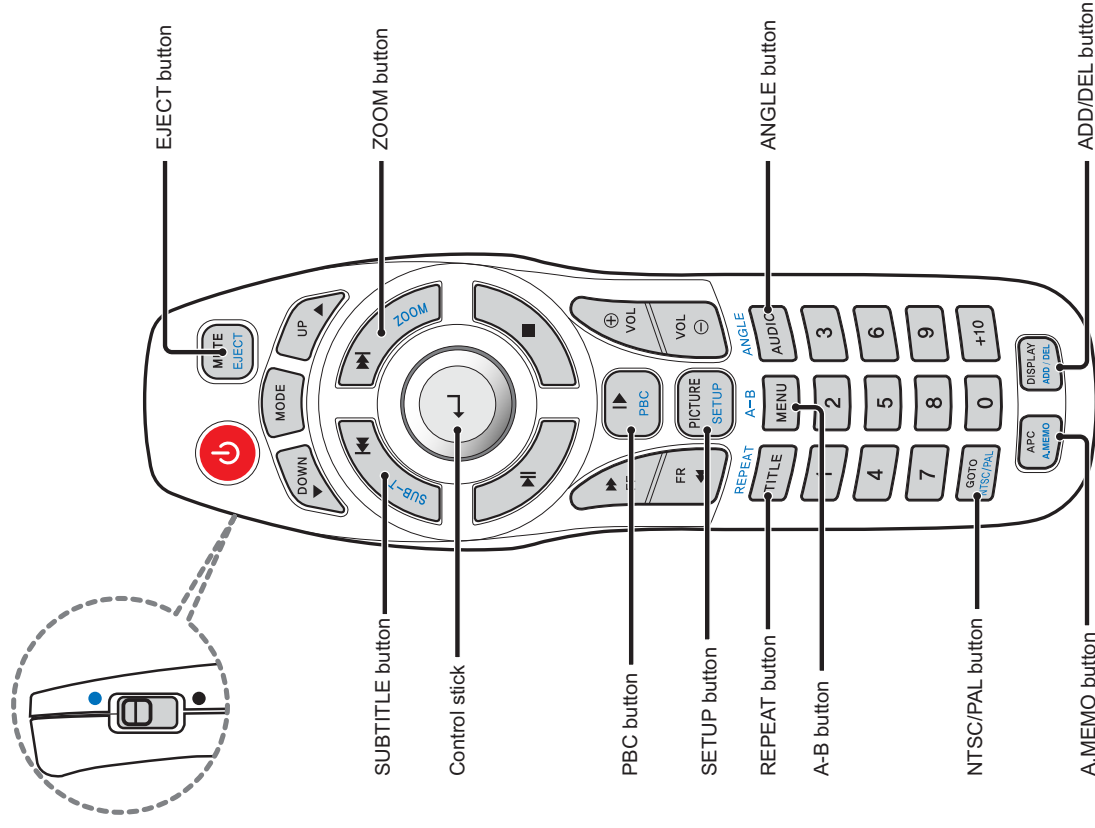
- Remote Controller (Normal Function)

If you want to use normal button, please on the down the switch remote control.



- Remote Controller (Etc Function)

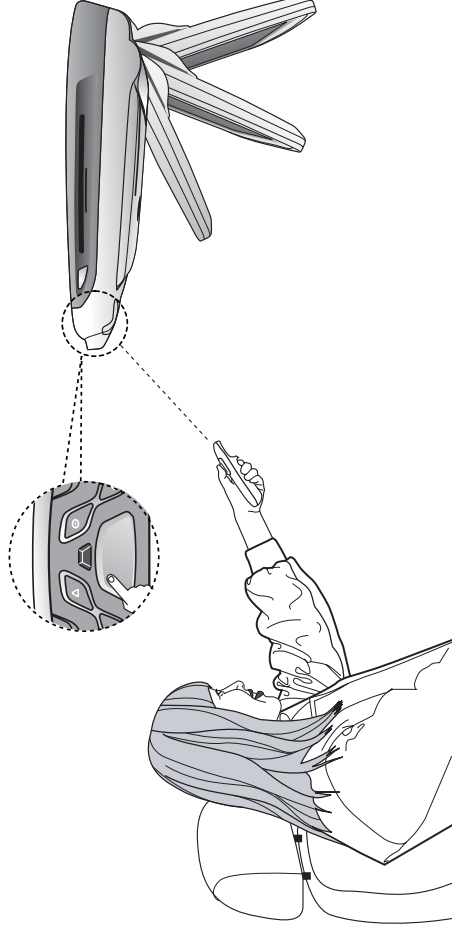
If you want to use Etc button, please on the down the switch remote control.



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  button, 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.

1. When **AV1**, **AV2**, (**TV**) mode, control the audio volume by pressing the  button on the unit or the **VOL**  button on the remote control. (There is no **PICTURE** / **AUDIO** Menu displayed.

2. When DVD mode, control the audio volume by pressing the  button on the unit or the **VOL**  button on the Remote Control.

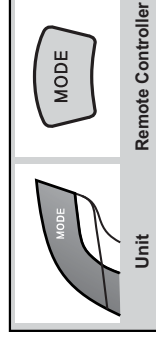
※ Volume Control consist of **50** steps,
but **DVD** mode consist of adjustable **20** steps.

● Mode Setting

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

Mode will be changed as below;
DVD → **AV1** → **AV2**

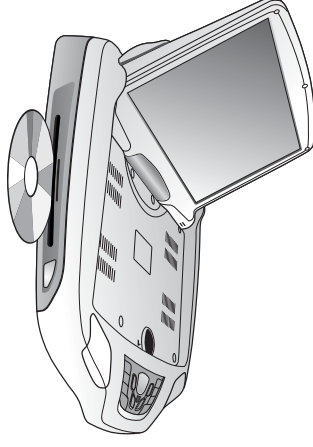
When you add the **TV** modulator (**optional**),
mode will be changed as below;
DVD → (**TV**) → **AV1** → **AV2**



Power and Mode Selection

● DVD Mode

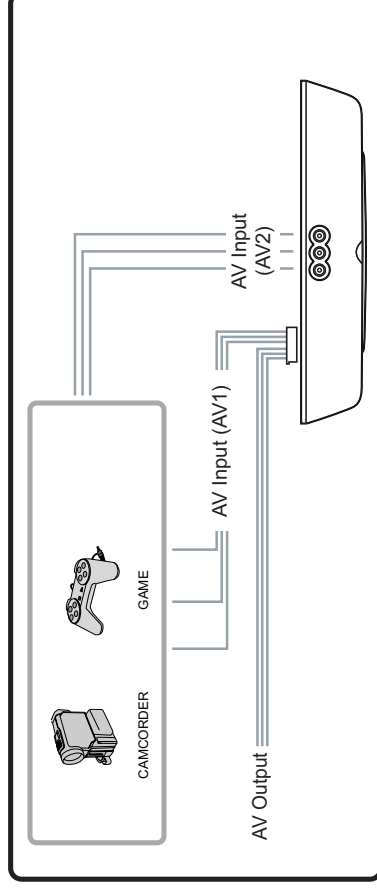
1. Select the **DVD** mode by pressing the **MODE** button on the unit or on the remote control.
2. Insert a disc you want to play into the loading disc slot with label side up.



※ When power on or except DVD mode, insert the disc to turn the power on and play the disc automatically.

● AUX (AV1/AV2) Mode

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



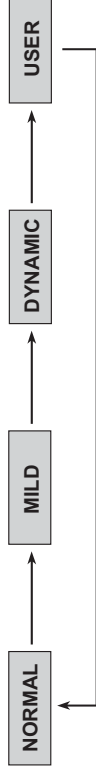
2. Turn the power on the unit and external devices
3. Select the **AV1** or **AV2** mode by pressing the **MODE** button on the unit or on the remote control.
4. Play the external device.

Picture Control

● APC (Auto Picture Control)

Select the screen conditions.

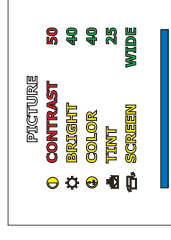
Whenever press the APC button, display condition will be changed as below;



● CONTRAST/BRIGHT/COLOR/TINT

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

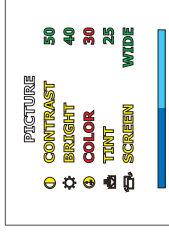
1. Make display menu on the screen by pressing the **MENU** button on the unit or on the remote control.



2. Select the desired menu by pressing the **Δ/▽** button on the unit or control the **stick up/down** on the remote control.



3. Control the desired screen conditions by pressing the **⊕/⊖** button on the unit or control the **stick left/right** on the remote control.

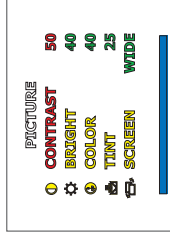


Picture Control

■ SCREEN

Select the desired screen modes as your taste.

1. Make display the menu on the screen by pressing the **MENU** button on the unit or on the remote control.



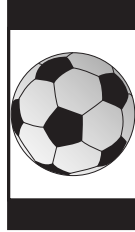
2. Select the **SCREEN** Menu by pressing the **Δ/▽** button on the unit or control the **stick up/down** on the remote control.



3. Control the desired **SCREEN** mode by pressing the **⊕/⊖** button on the unit or control the **stick left/right** on the remote control.



※ Each Mode will be displayed as below;



The screen will be the standard 4:3 ratio.



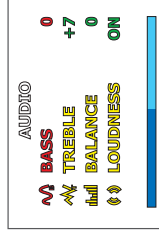
The screen will be magnified to the ratio of 4:3 on the left and right sides.

Volume Control

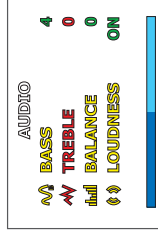
AUDIO Menu can control the audio quality by select and control the one of **BASS/TREBLE/BALANCE/LOUDNESS** menu.

● BASS/TREBLE/BALANCE/LOUDNESS

1. Make display the menu on the screen by pressing the **MENU** button on the unit or on the remote control.



2. Select the desired menu by pressing the **Δ/▽** button on the unit or control the **stick up/down** on the remote control.



3. Control the Audio quality by pressing the **⊕/⊖** button on the unit or control the **stick left/right** on the remote control.



DVD Setup

■ Setup Menu-Main Page

- Ø 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.

You can easily modify setup information on the setup menu.

When the  button is pressed, the monitor screen shows the setup menu as shown below. Select a menu category to modify according to individual preference.

1. Press the **STOP** button, if the disc plays.
2. To bring up the **SETUP** menu, press the  button.



3. Use the  button to find desired items.
4. To turn off the **SETUP** menu, press the  button again.

DVD Setup

■ General Setup Page

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 LETTER BOX



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.

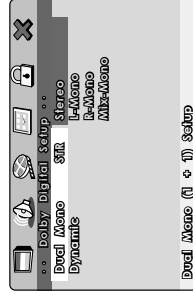
■ Audio Setup

1. Dolby Digital Setup



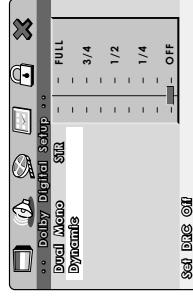
Dual Mono

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.

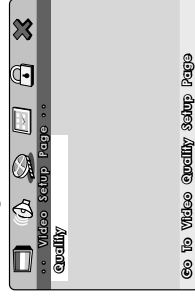
Treble Boost

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

DVD Setup

■ Video Setup Page

1. Quality



Sharpness

Control the sharpness of picture conditions.

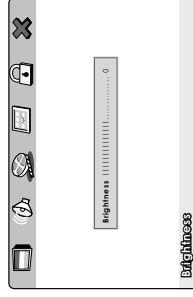
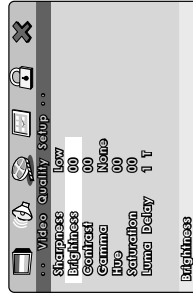
After select menu, press the control  and move left/right to control the picture conditions.



Brightness

Control the brightness of picture conditions.

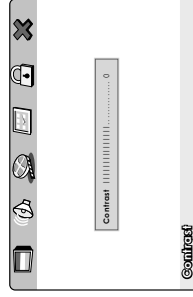
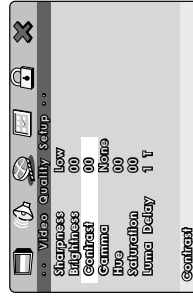
After select menu, press the control  and move left/right to control the picture conditions.



Contrast

Control the contrast of picture conditions.

After select menu, press the control  and move left/right to control the picture conditions.

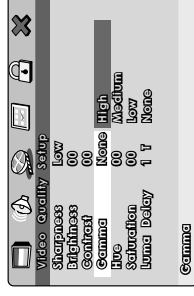


DVD Setup

Gamma

Control the gamma of picture conditions.

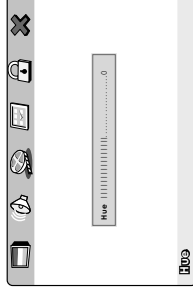
After select menu, press the control  and move left/right to control the picture conditions.



Hue

Control the color level of picture conditions.

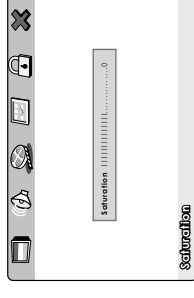
After select menu, press the control  and move left/right to control the picture conditions.



Saturation

Control the saturation of picture conditions.

After select menu, press the control  and move left/right to control the picture conditions.



Luma Delay

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



DVD Setup

■ Preference Page

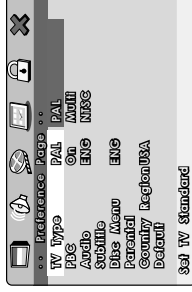
This Menu is not available when play the disc.

1. TV Type

Choose a proper color television system for your Region(country).

Default setting is "NTSC"

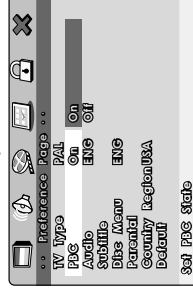
- 1) When disc is **"STOP"**, press the **SETUP** button on the remote control. (Remote control is DVD mode.)
- 2) Select **Preference Page** by moving left/right the control stick on the remote control.
- 3) Select **TV Type** by moving up/down the control stick on the remote control.
- 4) Press the control stick.
- 5) Select the desired **TV Type** by moving up/down the control stick on the remote control.



2. PBC

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) When disc is **"STOP"**, press the **SETUP** button on the remote control. (Remote control is DVD mode.)
- 2) Select **Preference Page** by moving left/right the control stick on the remote control.
- 3) Select **PBC** by moving up/down the control stick on the remote control.
- 4) Press the control stick.
- 5) Select **on/off** by moving up/down the control stick on the remote control.



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) When disc is **"STOP"**, press the **SETUP** button on the remote control. (Remote control is DVD mode.)
- 2) Select **Preference Page** by moving left/right the control stick on the remote control.
- 3) Select **Audio** by moving up/down the control stick on the remote control.
- 4) Press the control stick.
- 5) Select the **Audio Language** by moving up/down the control stick on the remote control.



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) When disc is **"STOP"**, press the **SETUP** button on the remote control. (Remote control is DVD mode.)
- 2) Select **Preference Page** by moving left/right the control stick on the remote control.
- 3) Select **Subtitle** by moving up/down the control stick on the remote control.



DVD Setup

- 4) Press the control stick.
- 5) Select the desired **subtitle language** by moving up/down the control stick on the remote control.

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)

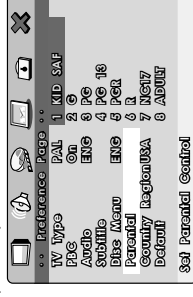
- 1) When disc is **"STOP"**, press the **SETUP** button on the remote control. (Remote control is DVD mode.)
- 2) Select **Preference Page** by moving left/right the control stick on the remote control.
- 3) Select **Disc Menu** by moving up/down the control stick on the remote control.
- 4) Press the control stick.
- 5) Select **Disc Menu** by moving up/down the control stick on the remote control.



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

- 1) When disc is **"STOP"**, press the **SETUP** button on the remote control. (Remote control is DVD mode.)
- 2) Select **Preference Page** by moving left/right the control stick on the remote control.
- 3) Select **Parental** by moving up/down the control stick on the remote control.
- 4) Press the control stick.
- 5) Select **Parental level** by moving up/down the control stick on the remote control.



7. Country Region

Use this menu function to change the COUNTRY REGION.

- 1) When disc is **"STOP"**, press the **SETUP** button on the remote control. (Remote control is DVD mode.)
- 2) Select **Preference Page** by moving left/right the control stick on the remote control.
- 3) Select **Country Region** by moving up/down the control stick on the remote control.
- 4) Press the control stick.
- 5) Select the desired **Country Region** by moving up/down the control stick on the remote control.



DVD Setup

8. Default

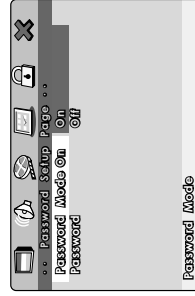
If user selects reset from the setup menu, all the value of setup menu will be initialized by factory setting value. (Exception: Parental level, Region code and Password values will not be changed)

- 1) When disc is "**STOP**", press the **SETUP** button on the remote control. (Remote control is DVD mode.)
- 2) Select **Preference Page** by moving left/right the control stick on the remote control.
- 3) Select **Default** by moving up/down the control stick on the remote control.
- 4) Press the control stick.
- 5) Select **Reset** by moving up/down the control stick on the remote control.



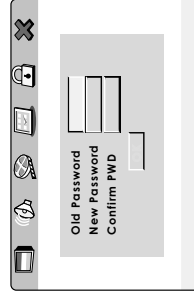
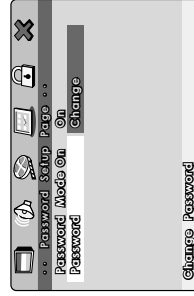
■ Password Setup Page

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  button.



DVD Functions

EJECT



Each press of the EJECT button changes the play mode as the text to the right illustrates. When you insert your DVD disc into the DVD player, "DISC 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.
(The volume cannot be adjusted in the AV mode.)

MUTE



Each press 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	Play Disc
PAUSE	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.

[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	Press Play Key To Continue		Stop
2 Time	Stop		Disc Stop

OSD			CONDITION
1 Time	Stop		Stop

ARROWS

[DVD]

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

[AUDIO] Ø

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] Ø

An invalid button press.

DVD Functions

DISPLAY

[DVD]

Each press of the button DISPLAY on the remote control changes the play mode as follows:

OSD	CONDITION
Title 00/00 Chapter 000/000	Display title and chapter
Title Remain	Display title and chapter
Chapter Elapsed	Display the left title
Chapter Remain	Display the Chapter Elapsed
Display Off	No sign

[VCD]

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

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

[MP3]

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

[AUDIO]

Each press of the 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

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.

[MP3]

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

OSD	CONDITION
Select Track : _ _	Select track no

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 to reverse three steps.
slow forward play : press slow button.
slow rewind play : press slow button and forward button again. (not in work VCD)

[AUDIO] / [MP3]

An invalid button press.

OSD	CONDITION
SF 2X	2X slow forward
SF 4X	4X slow forward
SF 8X	8X slow forward
SF 16X	16X slow forward
SR 2X	2X slow rewind
SR 4X	4X slow rewind
SR 8X	8X slow rewind
SR 16X	16X slow rewind
PLAY	play

DVD Functions

FAST REVERSE SEARCHING

[DVD]

Each press of the 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]

Each press of the 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]

Each press of the 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]

Each press of the 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]

Each press of the 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]

Each press of the FF button changes the play mode as follows:

OSD	CONDITION
FF 2X	2X forward play
FF 4X	4X forward play
FF 8X	4X forward play
FF 16X	4X 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.

[MP3]

An invalid button press.

OSD	CONDITION
A	start point of repeat
A B	ending point repeat function

DVD Functions

REPEAT

[DVD]

Each press of the REPEAT button changes the play mode as follows:

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

[AUDIO]

Each press of the 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. Each press of the REPEAT button changes the play mode as follows:

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

NTSC/PAL

Select the NTSC/PAL in condition of DVD mode.

ANGLE

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

Each press of the ZOOM button changes the play mode as the text to the right illustrates.

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

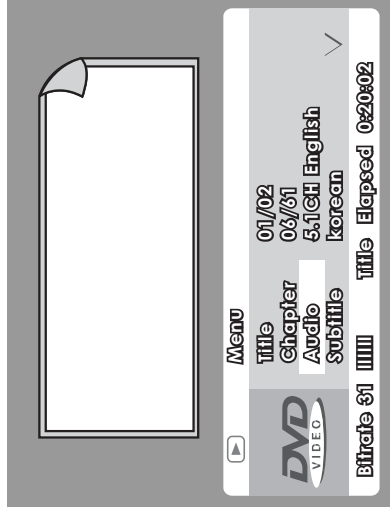
Chapter time.

Repeat

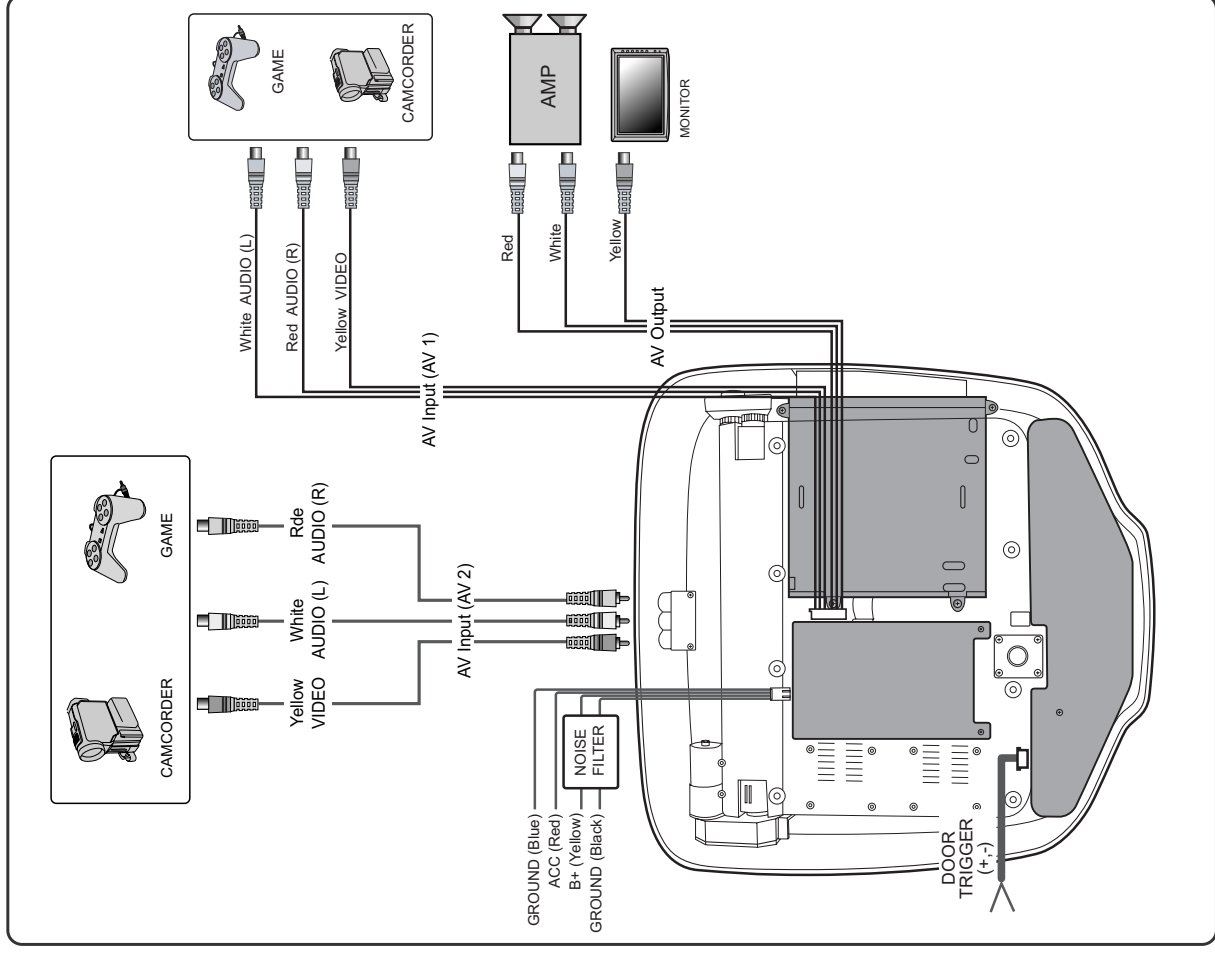
Sets the repeat play.

Time Display

Watch play time.

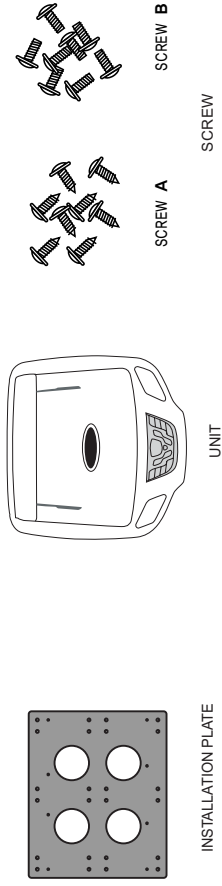


Connection Diagram

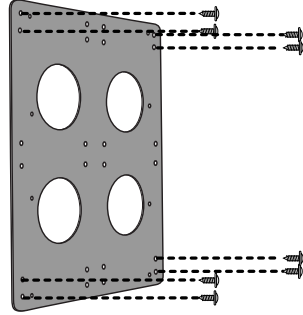


Installation

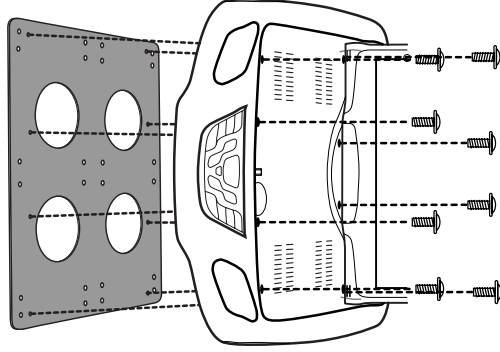
1. Unpack the color box and check the contents.



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



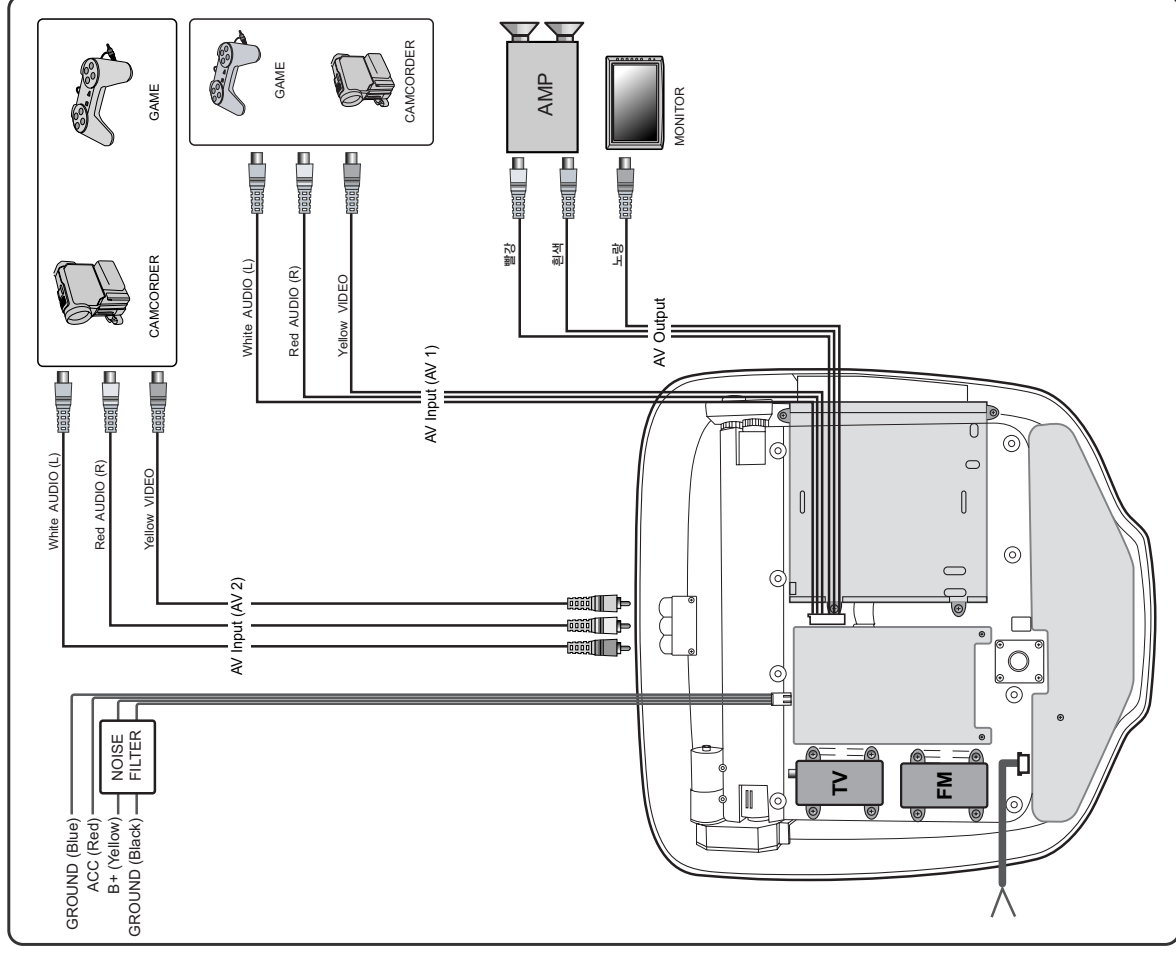
3. Match the position of installation bracket and installation plate with 8 screws(screw A).



4. Tighten the unit with the supplied 8 screws(screw B).

Optional Specification

Connection Diagram (TV/FM)



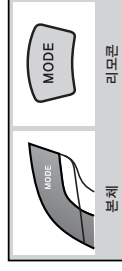
Optional Specification

1. How to watching TV

Watching TV is optional function and needs additional cost. If you want to install this function, please contact with the closest install 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 **APC (A.MEMO)** on the remote control to select all available channels automatically.
 - ※ Channel may not be selected in a bad RF signal region.
 - ※ Press the APC(A.MEMO) on the remote control after switching the DVD mode on the remote control.
2. After finishing the search channels, select channel as your taste.
 - ※ If you want to skip the Auto channel select, press whichever button on the remote control.

■ How To Select and Delete Channels by Manual

How To Select and Delete Channels by Manual Use to add or delete the channel as your taste.

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

Optional Specification

■ Channel Mode Setting

1. Channels select on the **SKIP** mode.
Display the TV channels only the memorized channels.
Select the desired channel by pressing the **Δ/∇** button on the unit or move the control  on the remote control.
2. Channels select on the **SEARCH** mode.
Select the channel and move one step manually.
Select the desired channel by pressing the up/down button on the unit or move the control stick on the remote control.
3. Press Number buttons
Select the desired channels by pressing the **0~9** number button on the remote control.

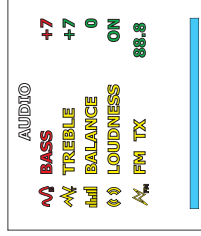
ex : If you want to select **29** channel,

- 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".

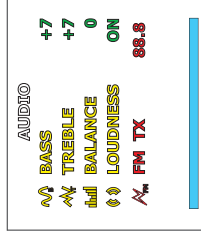
2. FM TX

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

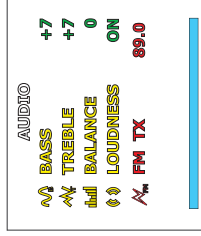
1. Make display the menu on the screen by pressing the **MENU** button on the unit or on the remote control.



2. Select the **FM TX** Menu by pressing the **Δ/▽** button on the unit or control the **stick up/down** on the remote control.



3. Select the Radio frequency from **88.0Mhz~89.2Mhz** by pressing the **⊕/⊖** button on the unit or control the **stick left/right** on the remote control.



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

※ When **FM TX** is not installed or 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?	Select the correct input mode for the audio receiver.
	Is audio cable is connected securely?	Connect the audio cable into the jacks securely.
	Is the monitor which is connected with the audio cable turned on?	Turn on the monitor connected with the audio cable.
	Is the digital audio output set in the correct 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	Is the monitor set to receive the DVD signal output?	Select the proper video input mode in the monitor and check to see if the DVD playback screen is displayed on the monitor.
	Is the video cable connected correctly?	Connect the video cable correctly.
	Is the monitor powered on?	Turn the monitor power on.
No playback	Is the disc incompatible?	Insert the compatible disc. (Check disc type, color type and area code)
	Is the disc put upside down?	Insert a disc with the playback side down.
	Is the disc contaminated with dust?	Clean the disc.
	Is the menu displayed on the monitor?	Press the function selection button to close the menu screen
	Is the rating level correct?	Cancel the parental function or change the parental level.
Remote control does not work properly.	Is the remote control facing at the remote sensor?	Point the remote control to the remote sensor of the product.
	Is the distance too far?	Use the remote control within 5m.
	Is there any obstacle in the middle?	Remove the obstacle.
	Is the battery exhausted?	Replace with new batteries.



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	800(RGB) X 480 Pixel
Brightness	350 cd/m ²
Color System	NTSC / PAL Auto Selection
A/V Input	2 EA
A/V Output	1 EA
Screen Size	12" Wide
IR Transmitter	Yes
Remote Control	Yes
Dimension	14.96"(W) x 14.96"(D) x 2.55"(H)

Note : This equipment has been tested and 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 which case the user will be required to correct the interference at his own expense.