12.1" TFT-LCD MONITOR WITH DVD PLAYER

Contents

A grade screens constitute no more than 3 missing pixels.

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 try and service these products yourself, seek only a qualified service center or factory sevice 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.

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.

Use extra caution with any liquids in your car. If you or your child spill any liquid on these products, pull your vehicle to the roadside and turn the key off to disconnect or wipe the products with a towel. Do not operate the equipment until all liquids have either evaporated or you have had the monitor inspected at a service center by a qualified technician. Severe harm or danger can be occured.

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.

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

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

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

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 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 -10℃ ~ +55℃. Your vehicle can reach temperatures up to 100℃ 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.

Unit

Dome Light Lamp

Remote Control Eye.
This allows transmitting of the remote control's IR signals for controlling all functions of your monitor.

POWER   MENU

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

DOOR Lamp Button

PLAY / PAUSE Button
Play/Pause button

Remote Control Sensor

ROOM Lamp Button

POWER   DISC   MENU

EJECT Button

Disc LED

VOL/ADJ Button
Volume control and adjust button for each menu.

POWER Button
Power ON button (Press the button short time)
Power OFF button (Press the button long time)

MODE Button(Press the button short time)
DVD → AV1 → AV2

MENU Button
OSD display button
(Press the button short time)

USB/SD MODE button
USB/SD MODE Setting button
(Press the button long time)

Disc loading slot

USB Port

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

SD CARD SLOT

● 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.

- - - MONITOR CONTROL - - -

POWER button
Turns on the Monitor.

PICTURE 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

SETUP button
Use to set various functions according to your individual preference.

MENU button
Shows the menus.
(Add or delete channels manually)

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.

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

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

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.

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

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

ANGLE button
This button can control the preseted camera angle.

VOL UP button
Increases the volume.

VOL DOWN button
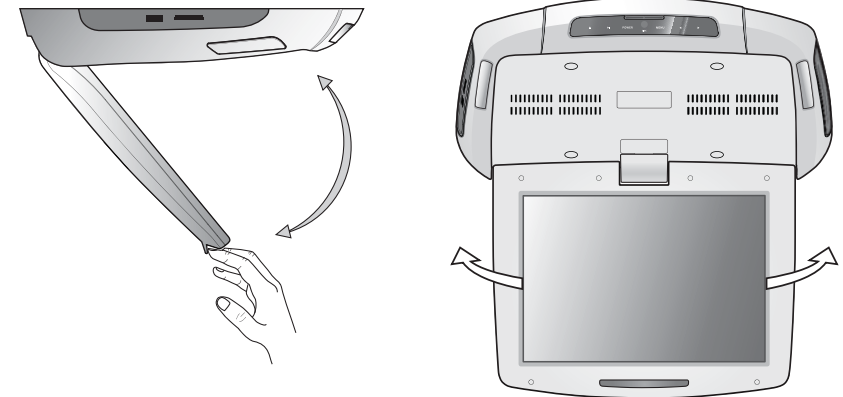Decreases the volume.

● Power ON/OFF

Press the **POWER** button on the remote control or the button on the unit to power on the Player.

1. Press the button Short Time : **POWER On.**
2. Press the button long Time   : **POWER Off.**

● Monitor Angle Adjustment

You cna pull down the monitor by manually and also be able to adjust the swivel angle.
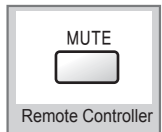
Caution
Monitor Angle Adjustment
(Left 180˚, Right 90˚)

● Mute Function

Mute the audio sound.

1. Press the **MUTE** button on the remote control, to mute the audio.

2. When mute is on, press the **MUTE** button again on the remote control, to play the audio.

MUTE

Remote Controller

Volume Control

Control the audio volume at your preference.

The audio volume is controlled by pressing the **VOL +/-** buttons
on the remote control, DVD and another mode.
When function menu is not displayed on the screen, except for DVD mode,
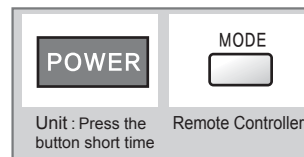you can Adjust the volume by pressing ◄ or ► buttons on the unit as well.

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

Mode Setting

Select the desired mode by pressing the **POWER**(short time) button on the unit
or the **MODE** button on the remote control.
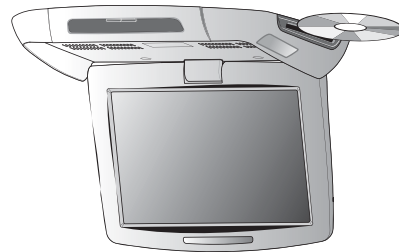
Mode will be changed as below.

DVD → AV1 → AV2

POWER | MODE

Unit : Press the button short time | Remote Controller

DVD Mode

1. Select the DVD mode by pusing the
POWER(short time) button on the unit or
MODE button on the remote control.

2. Insert the disc to the disc slot.
Please be sure that, place the disc into the
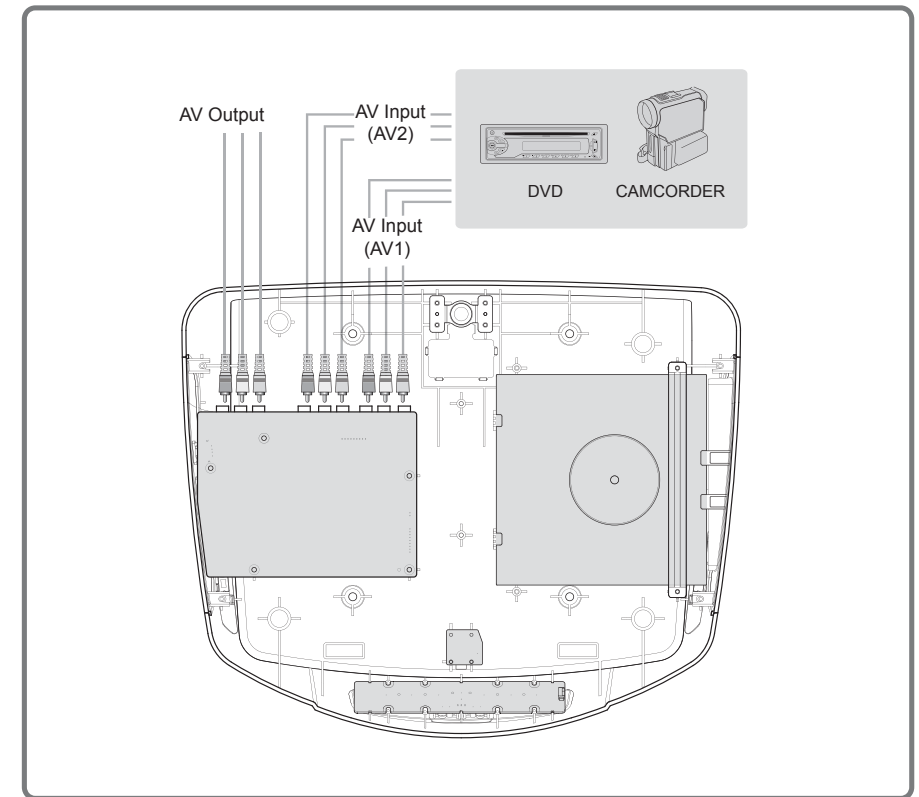disc slot with the label facing up.

※ If your player is in the other mode or truned off.
When you insert a disc to the slot, the units turns on automatically and starts playback.

AUX (AV1/AV2) Mode

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

AV Output   AV Input (AV2)   DVD   CAMCORDER

AV Input (AV1)

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

3. Select the **AV1** or **AV2** mode by pressing the **POWER**(short time) button on the
unit or the **MODE** button on the remote control.

4. Play the external device.

Picture Control

● Contrast/Bright/Color/Tint

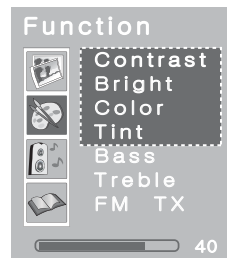Select the one of **Contreast/Bright/Color/Tint** and change the picture condition as your taste.

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

```
Function
    Contrast
    Bright
    Color
    Tint
    Bass
    Treble
    FM  TX
                    30
```

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

```
Function
    Contrast
    Bright
    Color
    Tint
    Bass
    Treble
    FM  TX
                    30
```
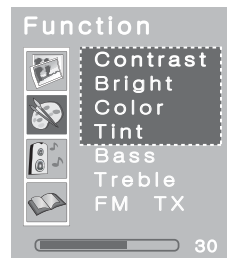
3. Control the desired screen conditions by pressing the ◄ or ► buttons on the unit or the **ADJ -/+** buttons on the remote control.

```
Function
    Contrast
    Bright
    Color
    Tint
    Bass
    Treble
    FM  TX
                    40
```

* TINT setting is not available, when system mode changes from NTSC to PAL.

Sound Control

● Bass

Select the one of **Bass/Treble** and control the audio quality

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

```
Function
    Contrast
    Bright
    Color
    Tint
    Bass
    Treble
    FM  TX
                    30
```

2. Select the **Bass** menu by pressing the **MENU** button on the unit or the **PICTURE** button on the remote control.

```
Function
    Contrast
    Bright
    Color
    Tint
    Bass
    Treble
    FM  TX
                    0
```

3. Control the Audio quality by pressing the ◄ or ► buttons on the unit or the **ADJ -/+** buttons on the remote control.
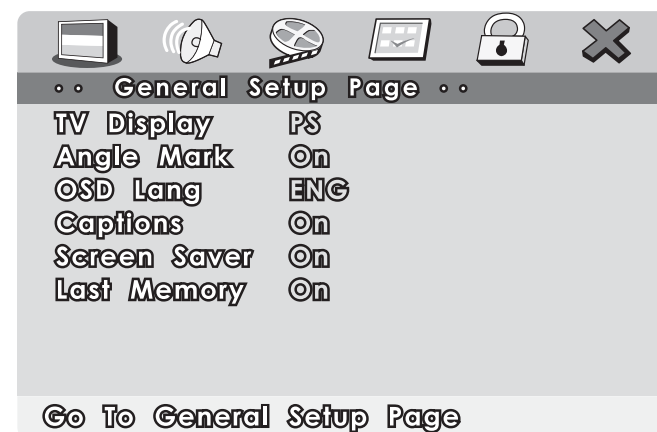
```
Function
    Contrast
    Bright
    Color
    Tint
    Bass
    Treble
    FM  TX
                    +1
```

Sound Control

● Treble

Select the one of **Bass/Treble** and control the audio quality

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

```
Function
  Contrast
  Bright
  Color
  Tint
  Bass
  Treble
  FM  TX
                30
```

2. Select the **Treble** menu by pressing the **MENU** button on the unit or the **PICTURE** button on the remote control.

```
Function
  Contrast
  Bright
  Color
  Tint
  Bass
  Treble
  FM  TX
                0
```

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

```
Function
  Contrast
  Bright
  Color
  Tint
  Bass
  Treble
  FM  TX
                +1
```

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.

You can easily modify setup information on the setup menu.

When the **SETUP(A.MEMO)** 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 **SETUP(A.MEMO)** button.

```
· ·  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
```

3. Use the button to find desired items.

4. To turn off the **SETUP** menu, press the **SETUP(A.MEMO)** 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 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
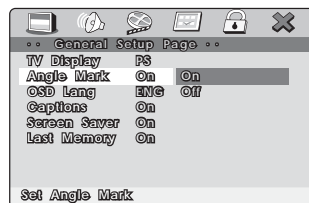This option is available only when the disc has the function.
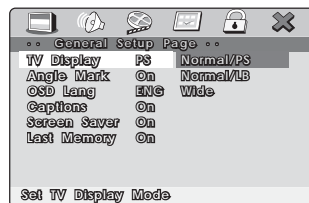
2. Angle Mark

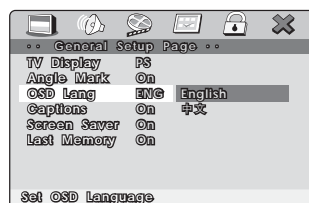You can set up so that the angle mark appears on
scenes.

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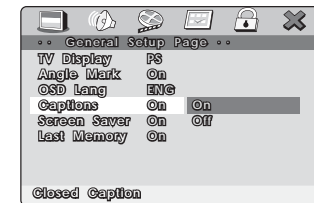When selected, change to set the on-screen display
language.

DVD Setup

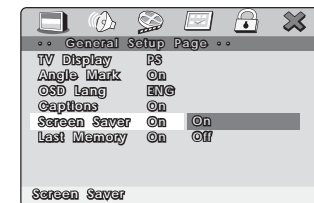### 4. Captions

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
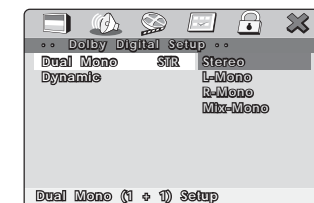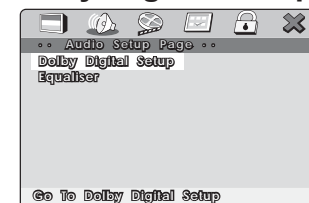for about two minutes.

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
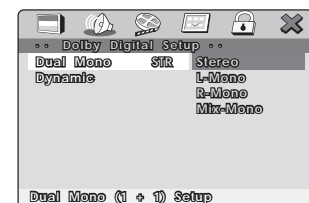is not working.
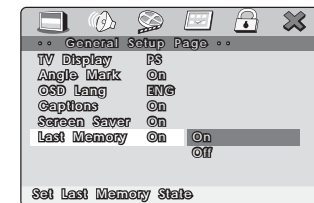
■ Audio Setup
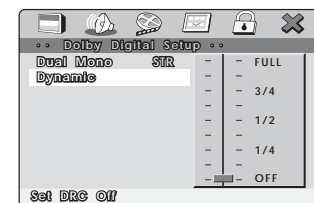
1. Dolby Digital Setup

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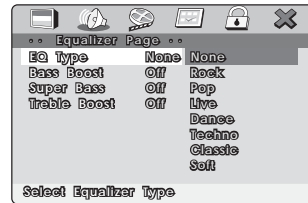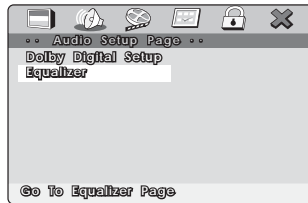signal to fit into the speaker.

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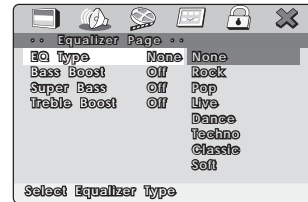from the factory. - Preset Off position.
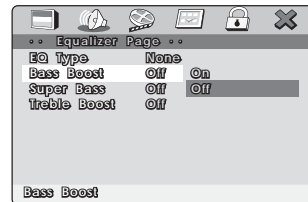
DVD Setup

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.
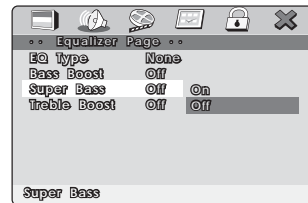
Treble Boost
This function is enhanced at high levels without
distorting other frequencies.
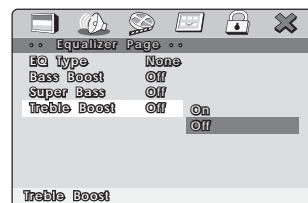
DVD Setup

■ Video Setup

1. Quality
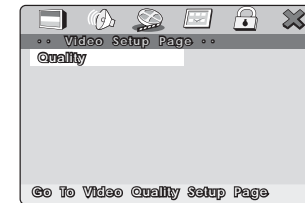
Sharpness
Use this option to select screen sharpness.
Select screen sharpness using the direction ▲/▼buttons and press the ENTER button.
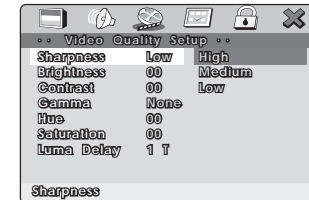
Brightness
Use this option to select screen brightness.
Adjust overall screen brightness using the direction◄/► buttons and press the ENTER button.
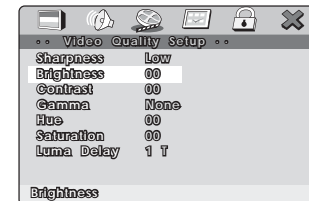
Contrast
Use this option to select screen contrast.
Select screen contrast using the direction ◄/►buttons and press the ENTER button.
Contrast adjusts the image quality by increasing or decreasing the ratio of bright
and dark screen section.

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.

```
Video Quality Setup
Sharpness      Low
Brightness     00
Contrast       00
Gamma          None   High
Hue            00     Medium
Saturation     00     Low
Luma Delay     1 T    None

Gamma
```

Hue

Select screen hue level using the direction ◄/►buttons and press the ENTER button.

```
Video Quality Setup
Sharpness      Low
Brightness     00
Contrast       00
Gamma          None
Hue            00
Saturation     00
Luma Delay     1 T

Hue
```

```
Hue ||||||||||||||L...............0

Hue
```

Saturation

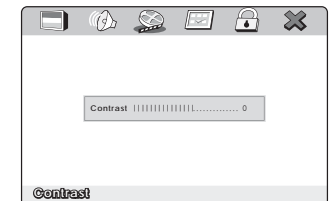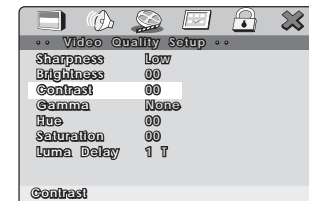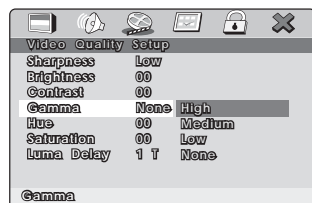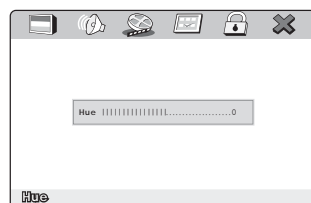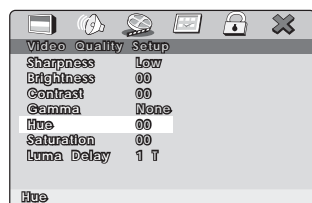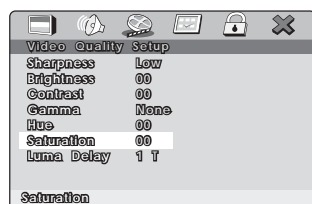Select screen saturation level using the direction ◄/► buttons and press the ENTER button.

```
Video Quality Setup
Sharpness      Low
Brightness     00
Contrast       00
Gamma          None
Hue            00
Saturation     00
Luma Delay     1 T

Saturation
```

```
Saturation ||||||||||||||L...............0

Saturation
```

Luma Delay

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

```
Video Quality Setup
Sharpness      Low
Brightness     00
Contrast       00
Gamma          None
Hue            00
Saturation     00
Luma Delay     1 T    0 T
                      1 T

Luma Delay
```
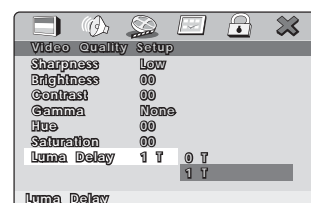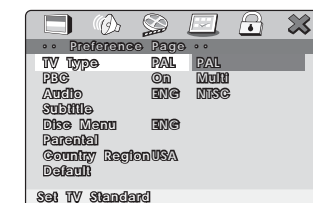
■ Preference

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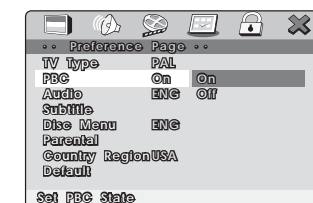
1) Press the SETUP button during stop mode.
2) Press the ◄/► buttons to move to Preference.
3) Press the ▲/▼ buttons to move to TV Type.
4) Press the ENTER button.
5) Press the ▲/▼ buttons to select TV Type.

```
• • Preference Page • •
TV Type        PAL    PAL
PBC            On     Multi
Audio          ENG    NTSC
Subtitle
Disc Menu      ENG
Parental
Country Region USA
Default

Set TV Standard
```

2. PBC (Play 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.

```
• • Preference Page • •
TV Type        PAL
PBC            On     On
Audio          ENG    Off
Subtitle
Disc Menu      ENG
Parental
Country Region USA
Default

Set PBC State
```

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.

```
• • Preference Page • •
TV Type        PAL    English
PBC            On     French
Audio          ENG    Spanish
Subtitle              Chinese
Disc Menu      ENG    Japanese
Parental              Korean
Country Region USA    Russian
Default               Thai    ▽

Preferred 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.

```
• • Preference Page • •
TV Type        PAL    English
PBC            On     French
Audio          ENG    Spanish
Subtitle              Chinese
Disc Menu      ENG    Japanese
Parental              Korean
Country Region USA    Russian
Default               Thai    ▽

Preferred Subtitle Language
```

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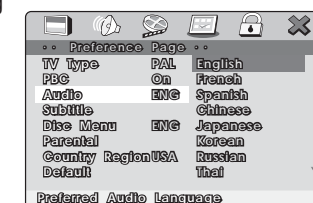
1) Press the SETUP button when stop mode.
2) Press the ◄/► buttons to move to Preference.
3) Press the ▲/▼ buttons to move to Parental.
4) Press the ENTER button.
5) Press the ▲/▼ buttons to select desired parental level.

7 . Country Region

Select parental region by pressing Contry Region on the screen.
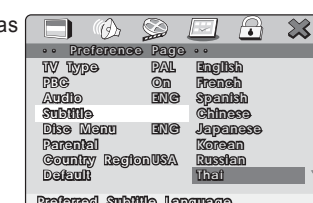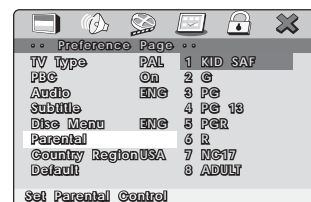
1) Press the SETUP button when stop mode.
2) Press the ◄/► buttons to move to Preference.
3) Press the ▲/▼ buttons to move to Country Region.
4) Press the ENTER button.
5) Press the ▲/▼ buttons to select desired Country Region.

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.
5) Press the ENTER button to select reset.
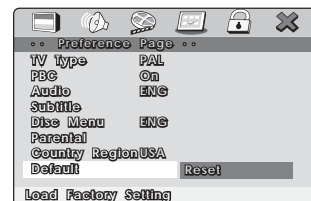
■ Password Setup

1. Password Mode
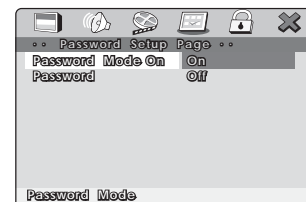
2. Password Change

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.
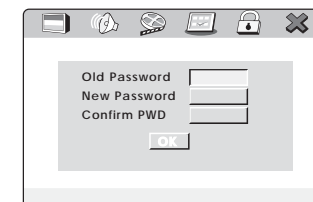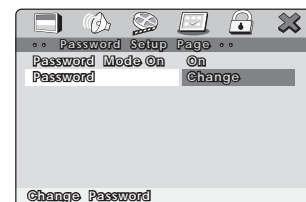
EJECT

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 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.

STOP

[DVD]
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

[AUDIO]/[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, can change the screen 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

DISPLAY

[DVD]
Each press of the 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

[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

[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

[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

SUB-T

[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

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

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 forwarde 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   FR

[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   FF

[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	8X forward play
FF 16X	16X forward play
FF 32X	32X forward play
PLAY	play

DVD Functions

PREV   PREV

[DVD] / [VCD]
Used to move to the previous chapter from the current chapter.

[AUDIO] / [MP3]
Used to move to the previous track.

NEXT   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   A-B

[DVD] / [VCD] / [AUDIO]
Press this button to repeat the selected segment.
The selected segment will be repeated
automatically until cancelled.

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

[MP3] ⊘
An invalid button press.

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

[VCD] ⊘
An invalid button press.

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

OSD	CONDITION
Track	repeat single
All	all
	repeat off

[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 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 preseted camera angle.)

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.

[VCD] / [AUDIO] / [MP3] ⊘
An invalid button press.

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

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
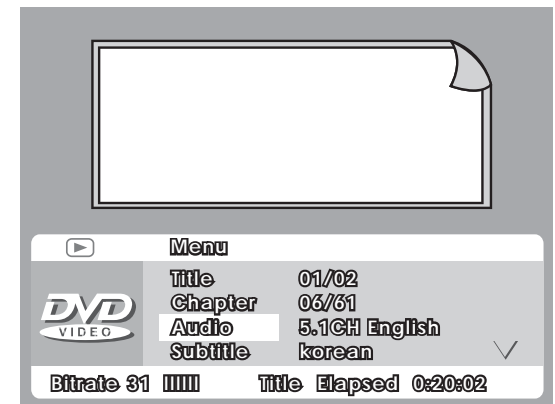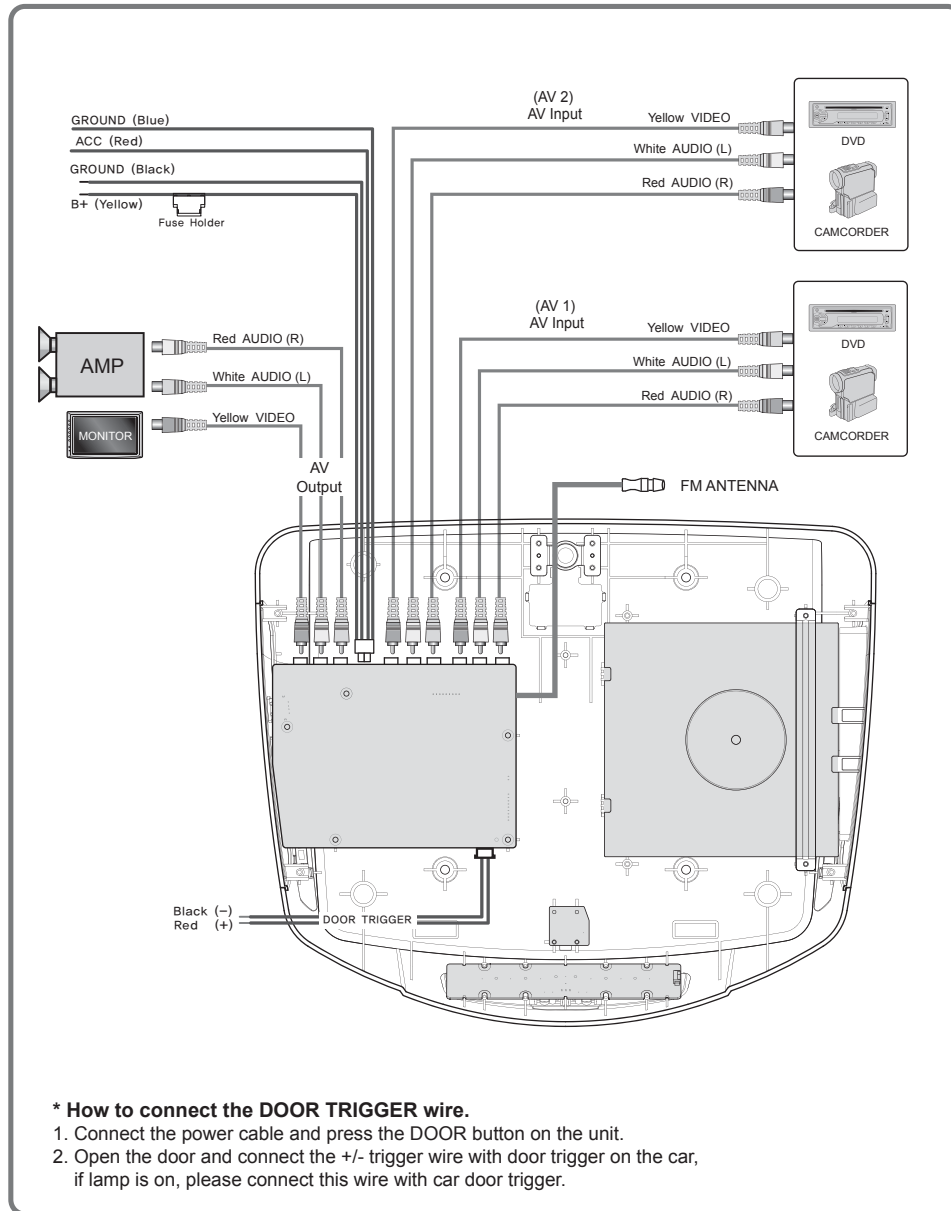Chapter time.

Repeat
Sets the repeat play.

Time Display
Watch the condition of display.

▶ Menu	
Title	01/02
Chapter	06/61
Audio	5.1CH English
Subtitle	korean
Bitrate 31	Title Elapsed 0:20:02

Connection Diagram

GROUND (Blue)
ACC (Red)
GROUND (Black)
B+ (Yellow)
Fuse Holder

(AV 2)
AV Input

Yellow VIDEO
White AUDIO (L)
Red AUDIO (R)

DVD

CAMCORDER

AMP

Red AUDIO (R)
White AUDIO (L)
Yellow VIDEO

MONITOR

(AV 1)
AV Input

Yellow VIDEO
White AUDIO (L)
Red AUDIO (R)

DVD

CAMCORDER

AV
Output

FM ANTENNA

Black (−)
Red (+)

DOOR TRIGGER

* 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.

INSTALLATION PLATE
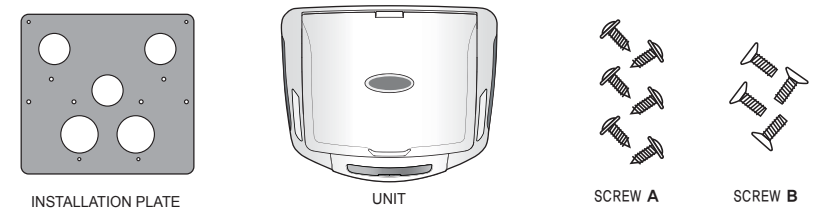
UNIT

SCREW A

SCREW B

2. Connect the external devices RCA cable or AV output.
   (refer the connection diagram)
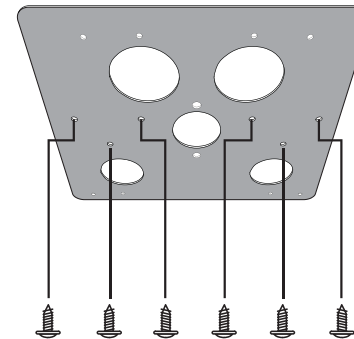
3. Match the position of installation bracket and
   installation plate with screw A.
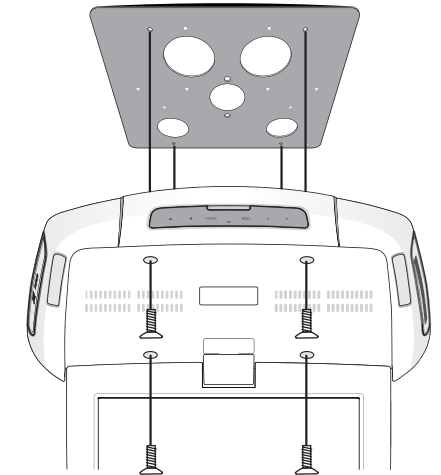
4. Tighten the unit with the supplied
   screw B.

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 **MENU** button on the unit or the **PICTURE** button on the remote control.

```
Function
  [icon] Contrast
  [icon] Bright
         Color
  [icon] Tint
         Bass
         Treble
  [icon] FM  TX
  [================] 30
```

2. Select the desired menu by pressing the **MENU** button on the unit or the **PICTURE** button on the remote control.

```
Function
  [icon] Contrast
  [icon] Bright
         Color
  [icon] Tint
         Bass
         Treble
  [icon] FM  TX
         OFF
```

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

```
Function
  [icon] Contrast
  [icon] Bright
         Color
  [icon] Tint
         Bass
         Treble
  [icon] FM  TX
        88.3 MHz
```

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)

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.
Unable to receive TV broadcasting.	Is the antenna connected properly?	Check antenna connection.
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
Power Consumption	22.5W
Screen Format	4 : 3
Resolution	2400 X 600 dots / 800(RGB) X 600 Pixel
Brightness	330 cd/m^2
Color System	NTSC / PAL Auto Selection
A/V Input	2 EA
A/V Output	1 EA
IR Transmiter	Yes
Remote Control	Yes
Dimension	381(W) X 312(D) X 61(H)mm / 15"(W) X 12.3"(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.

OWNER'S MANUAL

SD CARD SLOT
USB PORT

car multimedia innovation
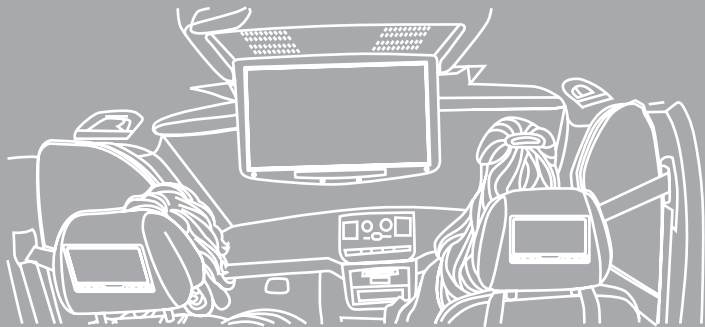
CAUTION

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

CONTENTS
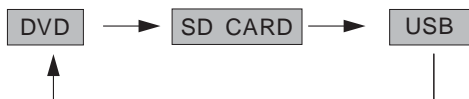
SD CARD & USB FUNCTION

How to select SD CARD, USB function

Press 2~3 seconds the "**MENU**" button on the **unit** or "**MODE**" button
on the **remote control** at the DVD mode.
(Please be sure that, mode change is only available when the USB
memory and / or SD CARD is connected in the unit.)

DVD → SD CARD → USB

Only at DVD mode, SD Card / USB mode are available.

Note : Some of files may not play-back depends of the format of
MPEG, Audio and Picture file.

Reference

Support file extension name : mpeg, mpg, avi, jpg, bmp, mp3

Support Codec : MPEG1, MPEG2, DivX(3.11, 4, 5,6), Xvid,
WMA2, AC3
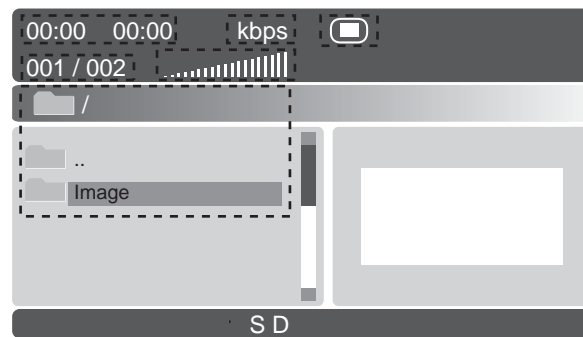Support file for subtitle : smi, srt (2 languages)
Even the extension name is same with above ones, if Codec is
different from aboves it cannot be played back.

* Resolution has to be less than 720 x 480.
* The file life of minute description format is being within
20characters and remaking is possible.

CONSTRUCTION OF PICTURE

00:00 00:00	kbps	
001 / 002		
/		
..		
Image		
S D		

< content >

1. Progress : Can see total running time and current position of playing file.
2. Equalizer : Can see the sound quality which is playing.
3. Condition : See play, stop and Hold. (▢ , ▩ , ▢)
4. Shows how many files are in the SD card or USB.
5. Adjust volume control.
6. Display the selected file and file are in the USB or SD card.
7. Scrolling Bar : Can control the page up/down, move to end...etd.
8. It shows image file in advance.
9. It shows playing mode.

MUSIC

It shows automatically the music file list which are stored in the USB, SD card.

```
01:36   03:53   192 kbps   ⬯
002 / 005   ....mmmIIIII    ▮▮▮▮▮▮▯▯▯
 📁 / Music~1.MP3
 📁  ..
 🎵MP  Music
 🎵MP  Music
 🎵MP  Music
 🎵MP  Music
                 S D
```
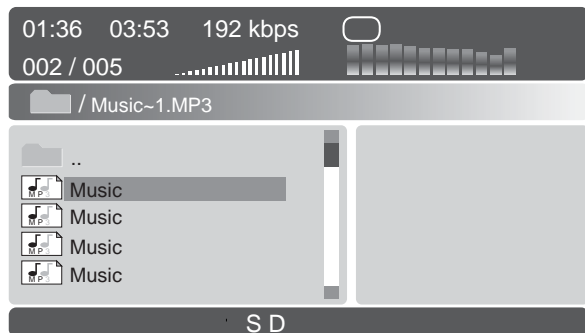
Use the remote control " / / / " button to select the file and push the "ENTER" button.

⦾ PLAY/PAUSE

Press the remote control "   " button to hold and stop at current position and push "   " again for play the music.

⦾ PREV/ NEXT

Press the remote control "l   /   l" button to skip one title of music to next or to back.

⦾ REPEAT

Whenever you push "**REPEAT**" button, It's mode will be changed as below.
[Repeat One] : Single
[Repeat Folder] : Repeat folder
[Folder] : Repeat folder one time
[Random] : Random play
[Single] : Single play
[Shuffle] : All

⦾ REPEAT A-B

Press this button to repeat the selected segment.
The selected segment will be repeated automatically until canceled.
The next time you press the button, repeat mode will be canceled.

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

⦾ FAST REVERSE/ FAST SEARCHING

Press the " /   " button allow to search for forward / backward.

REVERSE ( )	FORWARD ( )
REVERSE X 2	FORWARD X 2
REVERSE X 4	FORWARD X 4
REVERSE X 8	FORWARD X 8
REVERSE X 16	FORWARD X 16
REVERSE X 32	FORWARD X 32

◉ IMAGE

It show automatically the image file list which are stored in the USB, SD card.
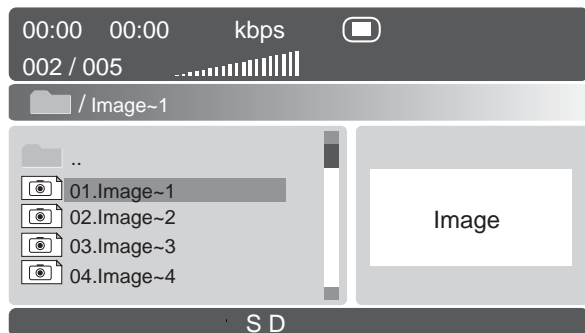
```
00:00   00:00      kbps      ▣
002 / 005      ......▂▃▄▅▆▇█
📁 / Image~1
📁  ..
🖼 01.Image~1
🖼 02.Image~2             Image
🖼 03.Image~3
🖼 04.Image~4
              ' S D
```

1. Use the remote control " / / / " button to select the file and press the "ENTER" button. (Press the "   " button available to play) Picture image will be displayed automatically.

2. Press the "   " button to go back to menu.

3. Can swivel the picture by pressing the " / / / " on the remote control.

◉ PLAY / PAUSE

Press the remote control "   " button stop ro play.
Press the remote control "   " button again to replay.

◉ PREV / NEXT

Press the remote control "l   /   l" button to skip previous / next image from the current image.

◉ REPEAT

Whenever you push "**REPEAT**" button, It's mode will be changed as below.
[Repeat One] : Single
[Repeat All] : All repeat play
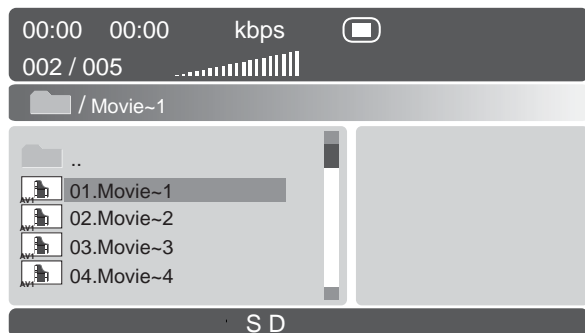**[Repeat Off] :** Off
[Random] : Random play
[Single] : Single play
[Shuffle] : All

MPEG

It shows automatically the MPEG file list which are stored in the USB, SD card.

```
00:00   00:00        kbps       ▣
002 / 005      ....uuuuuIIIIII
📁 / Movie~1
📁  ..
🎬  01.Movie~1
🎬  02.Movie~2
🎬  03.Movie~3
🎬  04.Movie~4
                S D
```

1. Use the remote control " ▲ / ▼ / ◄ / ► " button to select the file and, press the "ENTER" button. (Press the " ► " button available to play) Motion picture will be played automatically.

2. Press the " ■ " button to stop the file and move to menu function. Predd again then it will be played from the first scene.

PLAY / PAUSE

Press the remote control " ▌▌ " button stop the MPEG file to play.
Press the remote control " ► " button again the MPEG file to replay.

PREV / NEXT

Press the remote control "l◄ / ►l" button to skip previous / next chapter from the current chapter.

SLOW

Each pressing the remote control " ► " button, slow forward playing mode will be changed as below. 1/2 1/4 1/8 1/16
Each press the remote control " ◄ " button, slow pressing the " ◄ " button, slow reverse playing mode will be changed as below.
1/2 1/4 1/8 1/16

ZOOM

Each press of the **"ZOOM"** button changes the play mode as the text to the right illustrates.
Picture ration will be changed as followed.
ZOOM2 ZOOM 3 ZOOM 4 ZOOM 1/2 ZOOM 1/3 ZOOM 1/4 OFF.

MPEG

● REPEAT

Whenever you push "**REPEAT**" button, It's mode will be changed as below.
[Repeat One] : Single
[Repeat All] : All repeat play
[Repeat Off] : Off
[Random] : Random play
[Single] : Single play
[Shuffle] : All

● REPEAT A-B

Press this button to repeat the selected segment.
The selected segment will be repeated automatically until canceled.
The next time you press the button, repeat mode will be canceled.

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

● FAST REVERSE/ FAST SEARCHING

Press the " / " button allow to search for forward/backward.

BACKWARD ( )	FORWARD ( )
BACKWARD X 2	FORWARD X 2
BACKWARD X 4	FORWARD X 4
BACKWARD X 8	FORWARD X 8
BACKWARD X 16	FORWARD X 16
BACKWARD X 32	FORWARD X 32