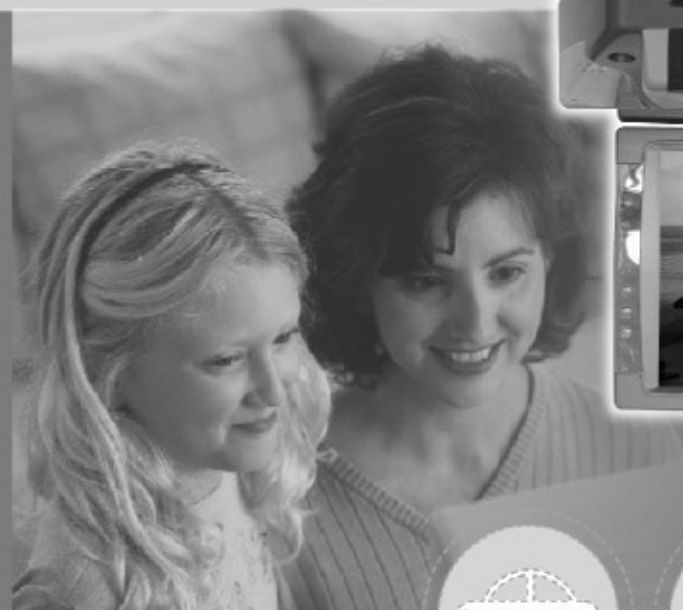




# OWNER'S MANUAL



OWNER'S MANUAL

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## FCC

This device complies with part 15 of FCC Rules. Operation is subject to the Following two conditions: (1) This device may not cause harmful interference, And (2) this device must accept any interference received, including interference That may cause undersired operation.

Caution : Any changes or modifications in construction of this device which are Not expressly approved by the party responsible for compliance could void the User's authority to operate the equipment.

### FCC NOTICE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect this equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### Precautions

CLASS 1 LASER PRODUCT  
KLASSE 1 LASER PRODUKT  
LUOKAN 1 LASER LAITE  
KLASS 1 LASER APPARAT

### WARNING

To reduce the risk of fire or shock hazard, do not expose this DVD player to rain or moisture.

### CAUTION

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVER AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

# 1 Precaution

## 1.1. Do not remove the cover

To reduce the risk of electric shock and keep the quality of product, please do not remove the cover.

## 1.2. Keep small articles out of the reach of children.

Store small articles (screws etc.) in places not accessible to children.  
If swallowed, consult physician immediately.

## 1.3. Stop using immediately if a problem appears.

When problems appear, stop using the system immediately and contact the dealer from whom you purchased the equipment. Some problems which may warrant immediate attention include a lack of sound, noxious smoke being emitted from the unit, or foreign objects dropped inside the unit

## 1.4. Do not operate the equipment while driving.

Do not change setting while driving. If operation requiring a prolonged view of the display is required, stop the vehicle in a safe Location before attempting operation.

## 1.5. Do not insert 3.5 Inch Disc.(3.5" Disc)

Disc size of 3.5 Inches will be not acceptable to operate.

## 1.6. Do not use this equipment outside vehicle.

Do not use this equipment of purposes other those listed for a vehicle Failure to do so may result in an electric shock or an injury.

## 1.7. Keep foreign objects out of the Monitor compartment.

Keep foreign objects out of the monitor compartment. Also, avoid placing your hands in the area where it might interfere with the monitor's operation.

## 1.8. Stop the vehicle before carrying out any operation

that could interferes with your driving  
If the operation of the unit(such as opening or closing of the monitor, etc.)  
Interferes with your driving, stop the vehicle in a safe location before attempting Operation.

## 1.9. Temperature

Be sure the temperature inside the vehicle is between +60°...(+140°F)and -0°...(+32°F) Before turning your unit on.

## 1.10. Maintenance

If you have problems, do not attempt to repair the unit by yourself. Return it To your purchasing dealer.

## 2 Check point before operating

### 2.1. Turning On or Off

- 2.1.1.** Push the OPEN switch forward will release the TFT-LCD monitor and it will drop down slightly.  
Pull the monitor downward until a comfortable viewing angle is reached.  
The internal friction will hold the screen in position while the system is in use.
- 2.1.2.** Press the POWER button on the unit or the remote control will turn the system on or off alternately.  
When in use the internal backlighting will illuminate the controls.
- 2.1.3.** After the unit has been turned on and is displayed in a picture, adjust the viewing angle by pivoting the screen to optimize the picture quality.
- 2.1.4.** Remember to turn the unit off and pivot the LCD to the locked position when not in use.

### 2.2. Dome Lights Operation

- 2.2.1.** The lights are controlled by push-buttons switch.
- 2.2.2.** Pushing the switch will turn the lights on.
- 2.2.3.** One more pushing the switch will turn the lights off.

### 2.3. Connect Additional AV Input

- 2.3.1.** The Audio/Video inputs may be connected to Audio/Video device directly or a Junction Box which connected to Video Cassette Player(VCP), video game system, or other Audio/Video devices.
- 2.3.2.** AUX Video Input(Additional)  
The unit will accept an audio/video input through the RCA jacks located on the side of the unit.  
The audio/video device could be a video game system, video Camera, or other input device.

### 2.4. FM Transmitter Mode(Optional)

- 2.4.1.** If this unit has FM Transmitter function, please adjust FM Frequency which you can hear the clean Audio sound.
- 2.4.2.** For the details, please refer FM Transmitter Mode.

## 3 General Features

### 3.1. Slot Mechanism type DVD Deck

### 3.2. Flip Down type 10.4Inch TFT-LCD Monitor

### 3.3. Full Function Remote Control

### 3.4. FM Transmitter with remote control and OSD

### 3.5. Infrared Transmitter for IR Wireless Headphones

### 3.6. Two Audio/Video Inputs

### 3.7. Remote Sensor

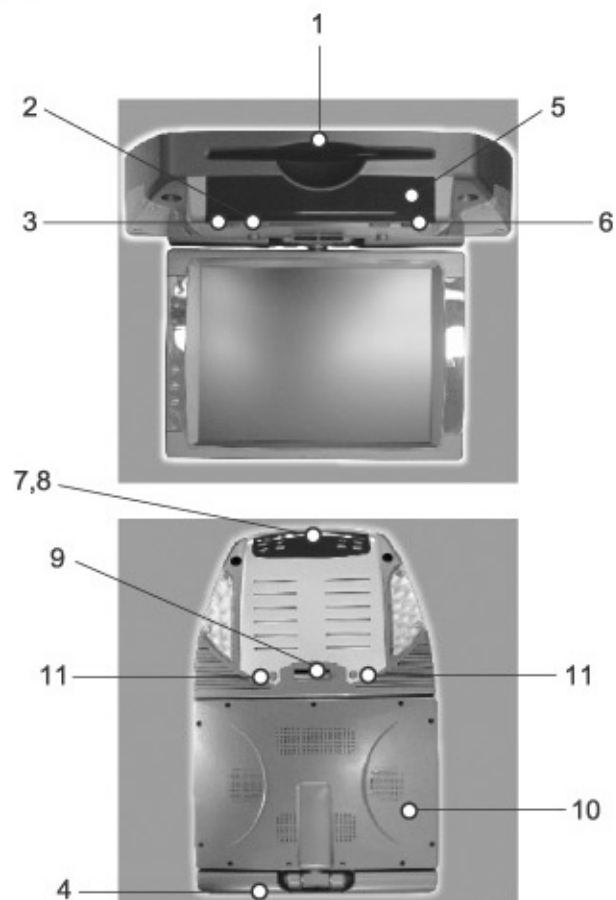
### 3.8. OSD for Control of DVD and Monitor Functions

### 3.9. TV Tuner

## 4 Identifications of controls

### 4.1 Main Unit

#### 4.1.1. Picture



#### 4.1.2. Functions

1. DVD disc insertion slot
2. Power Button
3. Play Button
4. Auxiliary A Input.
5. Eject Button
6. Stop Button
7. Side Remote Sensor Eye  
- Allows the remote control to operate and control other accessories in the system
8. Infrared Transmitter and Sensor  
- Used to transmit audio to wireless headphones
9. Open Switch  
- Moves in direction of the arrow to release the drop down screen
10. Flip Down LCD Panel
11. Dome Lights Buttons

## 4.2. Remote Controller

### 4.2.1. Picture



### 4.2.3. Installations

#### 4.2.3.1. BATTERY INSTALLATION

Before attempting to operate your Remote Controller. Install the batteries as described below.

- 1) Turn the Remote Control face down. By a fingernail, lift the battery cover off.
- 2) Install two "AAA" batteries. Make sure that proper polarity (+or-) is observed.
- 3) Align the cover tabs with the remote control and press down untill the cover clicks.

#### 4.2.3.2. If the remote controller doesn't operate properly:

- 1) Check the polarity +/- of the batteries.(Dry-Cell)
- 2) Check if the batteries are drained.
- 3) Check if remote sensor is blocked by obstacles.
- 4) Check if there is any fluorescent lighting near by.

## 4.3. Changing A/V Source Signal

### 4.3.1. Press A/V SEL button.

4.3.2. The desired A/V source signal will be changed as follows ;  
DVD → TV → AUX1 → AUX2 → DVD

## 4.4. Watching TV

### 4.4.1. Press A/V SEL button.

4.4.2. Select the desired item (TV) pressing A/V SEL button. TV screen appears.

4.4.3. Select TV Channel using CH +(UP) / - (DOWN) button.

4.4.3. If ACC off, TV CH have not memory.

# 5 Playing Disc

## 5.1. Before Load and Play

**5.1.1.** Before you load a disc, make sure that it is compatible with the player.

**Note:** the following Discs CANNOT be used with this player :  
3.5 Inches Disc, CD-ROM, CD-I, DVD-ROM

## 5.2. Before using Remote Controller

**5.2.1.** If  $\phi$  icon appears, it indicates an invalid press. Please wait.

## 5.3. Loading and Play

**5.3.1.** Press the POWER button. the unit will turn on and display the source selected when the disc was loaded.

**5.3.2.** Insert the disc (Label Up) into the disc compartment.  
When the disc is half way in, it will be automatically pulled in and play will begin.

## 5.4. Stopping Play

**5.4.2.** During Play, press the STOP button.

**Removing Disc:** the following Discs CANNOT be used with this player :  
- Press OPEN/CLOSE button.

## 5.5. Step Motion Play (Except CD/MP3)

**5.5.1.** During play, press the STEP button.

**5.5.2.** Each time button pressed, the new frame will appear.

**5.5.3.** Press the STEP button continuously, the step motion play will be done.

**5.5.4.** To resume normal play, Press the PLAY button

## 5.6. Slow Motion Play (Except CD/MP3)

**5.6.1.** During play, press the F.SLOW button, the play will be done forward slowly 1/2X, 1/4X and 1/8X of normal.

**5.6.2.** During play, press the R.SLOW button, the play will be done reverse slowly 1/2X, 1/4X and 1/8X of normal.

**Note:** After playing the last of track, the unit will be in STOP mode.

## 5.7. Skipping Tracks

### 5.7.1. DVD Mode

- When playing a DVD, if you press the F.SKIP button, it moves to next chapter.  
- In last chapter of last title, it does not move.
- If you press the R.SKIP button, it moves to the previous chapter.  
- In first chapter of first title, does not move.

### 5.7.2. VCD, CD Mode

- When playing VCD 2.0 in Menu Off mode, VCD 1.1 or CD,  
- If you press the F.SKIP button, it moves to next track.  
- In last track, it does not move.
- If you press the R.SKIP button, it moves to the beginning of the track.  
- In first track, it moves to beginning of the track.

### 5.7.3. MP3 Mode

- When playing a MP3 disc, if you press the F.SKIP button, it moves to next song.
- If you press the R.SKIP button, it moves to the previous song.  
- In first track, it moves to beginning of the song.

#### Note:

- This unit can recognize Max. 8 characters of English.
- If you made MP3 disc with other language, this can not recognize other language.
- When you want to make MP3 disc, please reduce the label name within Max. characters of English.

## 5.8. Searching through a chapter or Track

During play, you can search quickly through a chapter or track use the skip function to jump to the next selection.

### 5.8.1. DVD Mode

- Press the FF or FR button on the remote and press again to search at faster speed.  
(2X /4X /8X/ 32X/ 64X or normal speed.)
- To resume normal play, Press the PLAY button.

### 5.8.2. VCD, CD Mode

- Press the FF or FR button on the remote and press again to search at faster speed. (2X /4X /8X or normal speed.)
- To resume normal play, Press the PLAY button.

### 5.8.3. MP3 Mode

- Not available.

## 5.9. Program Play

### 5.9.1. CD Mode

- In Stop Mode, when press PROGRAM Button, Program Screen appears.
- Select the number of Track which want to select in Track.
- Moves to the position which cursor appears,
- Using the LEFT/ RIGHT OR UP / DOWN BUTTONS, press the number of track which want to select.
- Select the Play Program mode, Using the LEFT / RIGHT or UP / DOWN buttons. Press the ENTER button. The selection umbers will plays by the program Order.

### 5.9.2. Clear Program Play

- In Program Menu, select Clear All and press ENTER button.
- Press PLAY button.

## 5.10. Repeat Play

Repeat the current track, chapter, title, or a chosen section (A-B).

### 5.10.1. When playing a DVD

- Press the REPEAT button on the remote. Repeat screen appears.
- Select Chapter, Title using the UP / DOWN buttons.
- To return to normal play, press REPEAT button.

### 5.10.2. A-B Repeat

- Press REPEAT A-B button at the point where you want the repeat play to start(A).
- Press REPEAT A-B button at the point where you want the repeat play to stop(B).
- A chosen section (A\_B) will be repeated.

- To return to normal play, press REPEAT A-B button again, or press the UP / DOWN buttons to select Off.

#### Note :

- DVD repeats play by chapter or title, CD and VCD repeat play by disc or track.
- Depending on the disc, the Repeat function may not work.
- When in VCD 2.0 mode(MENU ON mode), this function does not work.

## 5.11. Direct Play

### 5.11.1. DVD Mode

- When press the GOTO button, Go To screen appears.
- After selecting Time/Title/Chapter, enter the numbers of Time/Title/Chapter which you want
- Press ENTER button. it moves to the nominated Time/Title/Chapter and play.

### 5.11.2. VCD Mode

- When press the GOTO button, Go To screen appears.
- After selecting Time/Track, enter the numbers of Time/Track which you want.
- Press ENTER button. it moves to the nominated Time/Track and play.

### 5.11.3. MP3 Mode

- During play, MP3 screen appears.
- Select the numbers of Track which you want using the LEFT / RIGHT or UP / DOWN buttons. Press ENTER button. it moves to the nominated Track and play.

## 5.12. Zoom Play (Using the Zoom Functions)

### 5.11.2. DVD/VCD Mode

- During play or pause mode, press the ZOOM button on the remote.
- When press the ZOOM button first time, ZOOM 2x appears on the left top of Monitor
- Press the ZOOM button on the remote again, ZOOM 4x appears on the left top of Monitor.
- To resume normal play, Press the ZOOM button, ZOOM Off appears on the left top of Monitor.

## 5.13. Using the Display Function

### 5.13.1. When Playing a DVD

- During play, press the Display button on the remote.
  - Current title, chapter number, angle, subtitle, audio and elapsed time will be displayed.
  - To make the screen disappear, press the DISPLAY button again.

### 5.13.2. When Playing a VCD

- During play, press the DISPLAY button on the remote.
  - Current track number, elapsed time will be displayed.
  - To make the screen disappear, press the DISPLAY button again.

#### Note:

- What is a chapter?  
Each title on a DVD is usually divided into chapters (similar to tracks on an audio CD)
- What is a Title?  
A DVD may contain several different titles. For example, if a disc contains four different movies, each might be considered a title

## 5.14. Using the Subtitle Function

### 5.14.1. When Playing a DVD

- During play, press the SUBTITLE button on the remote, the Subtitle screen appears.
- Select the desired language using the UP / DOWN buttons.

## 5.15. Using the Audio Function

### 5.15.1. When Playing a DVD

- During play, press the AUDIO button on the remote, the Audio screen appears.
- Select the desired Audio type using the UP / DOWN buttons or Audio button.

**Note:** If the selected audio function is not with this unit, please select the other audio function.

## 5.16. Using the Angle Function

- ### 5.16.1. During play, press the ANGLE button on the remote.
- The ANGLE screen appears.

- ### 5.16.2. Select the desired Angle number using UP / DOWN buttons.

**Note:** If the DVD disc did not have information of Angle, this function will not work.

## 5.17. Using the Menu Function

### 5.17.1. When Playing DVD/VCD

- During play, press the TOP MENU or MENU button on the remote.
  - According to disc, TOP MENU or MENU button will be worked.
- Select the desired item in Menu using the LEFT / RIGHT or UP / DOWN buttons.

## 5.18. Using Volume Control

- ### 5.18.1. Press the Volume +/- buttons to select a suitable volume.

- ### 5.18.2. There are up to 16 levels.

**Note:** Volume function will be acceptable to control the disc. (DVD / VCD / CD)

# 6 Set up

## Using the Setup Function

- Using the setup function, you can do the initial setup, adjust the picture and sound quality, and set the various outputs.

- You can also set a language for the subtitles and limit play back by children.

**Note :** ■ You can display the setup display only when the player is in stop mode.  
 ■ Depending on the disc.

## To cancel Using the Setup Menu

- Press the SET UP button or Return button on the remote.

## To Return the Previous Menu

- Press Return button on the remote.

## Using the Setup Display

1. With the unit in Stop mode, press the SETUP button on the remote.  
 Set up Menu Screen appears.
  - 1) Language Menu: Setup of the Display language  
 To select the language mode for the player's on-screen display.
    - Disc the Menu: Setup of the Menu Language  
 Use the Menu preference menu to select the language you want a DVD disc menu to be displayed in.
    - Audio: Setup of the Audio Language  
 Use the Subtitle preference menu to select the language the disc's subtitles are to be displayed in.
  - 2) Parental Lock: Setup of the Parental Level  
 - Allows users to set the level necessary to prevent children from viewing unsuitable movies such as those with violence, adult subject matter, etc.
  - 3) Audio Options: Setup of the Audio Options
  - 4) Display Options: Setup of the Display Options  
 - Use to select which type of screen you want to watch and several display options.
2. Select the desired function using the UP / DOWN buttons on the remote.

3. Press the ENTER button to access the sub features.

To make the setup screen disappear after setting up, press the Setup button again.

**Note :** ■ Depending on the disc, some Setup Menu selections may not work.  
 ■ If you set the disc menu, audio and subtitle language in advance, they will come up automatically every time you watch a movie.

## 6.1. Setting Up the Language Menu.

### 6.1.1. Using the Disc Menu Language

- 6.1.1.1. With the unit in Stop mode, press the SET UP button.
- 6.1.1.2. Select the Language Menu using the UP / DOWN buttons.
- 6.1.1.3. Press the ENTER button. The Language Menu appears.
- 6.1.1.4. Select Disc Menu using the UP / DOWN buttons.
  - Press the ENTER button. The Disc Menu appears.
- 6.1.1.5. Select the desired language using the UP / DOWN buttons.
- 6.1.1.6. After selecting language, press the ENTER button.
  - To make the SETUP MENU disappear, Press the RETURN button.

### 6.1.2. Using the Audio Language

- 6.1.2.1. With the unit in Stop mode, press the SET UP button.
- 6.1.2.1. Select the Audio Menu using the UP / DOWN buttons.
- 6.1.2.1. Press the ENTER button. The Language Menu appears.
- 6.1.2.1. Select Audio Menu using the UP / DOWN buttons.
  - Press the ENTER button. The Audio Menu appears.
- 6.1.2.1. Select the desired language using the UP / DOWN buttons.
- 6.1.2.1. After selecting language, press the ENTER button.
  - Select "Original" if you want the default soundtrack language to be the original language to be the original language the disc is recorder in.
  - To make the SETUP MENU disappear, Press the RETURN button.

### 6.1.3. Using the Subtitle Language

**6.1.3.1.** With the unit in Stop mode, press the SET UP button.

**6.1.3.2.** Select the Subtitle Menu using the UP / DOWN buttons.

**6.1.3.2.** Press the ENTER button. The Subtitle Menu appears.

**6.1.3.2.** Select Subtitle Menu using the UP / DOWN buttons. Press the ENTER button. The Subtitle Menu appears.

**6.1.3.2.** Select the desired language using the UP / DOWN buttons.

**6.1.3.2.** After selecting language, press the ENTER button.

- Select "Auto" if you want the subtitle language to be the same as the language selected as audio preference.
- To make the SETUP MENU disappear, Press the RETURN button. In that case, the disc will use its use original language setting.

#### Note :

- If the selected language is not recorded on the disc, the original pre-recorded language is selected.

## 6.2 Setting Up the Parent Control

- The Parental Control function works in conjunction with DVDs that have been assigned a rating.
  - Which helps you control the types of DVDs that your family watches.
  - There are up to 8 rating on a disc.

**6.2.1.** With the unit in Stop mode, press the SET UP button.

**6.2.2.** Select the Parental Lock Menu using the UP / DOWN buttons.

**6.2.3.** Press the ENTER button. The Parental Lock Menu appears.

**6.2.4.** Use DOWN button to select Rating. Press ENTER button.

- If you locked previously to set up, Enter your password.
- Press ENTER button.

**6.2.5.** Use UP / DOWN button to select the level.

Press ENTER button.

- Use UP / DOWN button to select (e.g. Level 6) and
- Press ENTER button.
- Disc that contain Level 7 will not play.

#### Note :

- How to make the SETUP MENU disappear or return to menu screen during set up; Press RETURN button.

## 6.3. Setting Up the Audio Options

**6.3.1.** With the unit in Stop mode, Press the SETUP button.

**6.3.2.** Select the Audio Options Menu using the UP / DOWN buttons, press ENTER button.

**6.3.3.** Select the desired item using the UP / DOWN buttons. Then press ENTER button.

### 6.3.3.1. Digital Output

- 1) PCM : Converts to PCM(2CH) 48kHz audio.  
Select PCM when using the Audio Outputs.
- 2) Bit stream : Converts to Dolby Digital Bit stream(5.1CH).  
Select Bit stream when using the Digital, Audio Output.

### 6.3.3.2. DTS

- 1) On: Outputs DTS Bit stream via digital output only.  
Select DTS when connecting to a DTS Decoder.
- 2) Off: Doesn't output digital signal.

### 6.3.3.3. Dynamic Compression

- 1) On: To select dynamic compression.
- 2) Off: To select the standard range.

#### Note :

- How to make the Setup Menu disappear or return to menu screen during set up, Press Return button.
- "DTS" and "DTS Digital Out" are trademarks of Digital Theater System, Inc.

## 6.4. Setting Up the Display Options

**6.4.1.** With the unit in Stop mode, press the SETUP button.

**6.4.2.** Select the Display Options Menu using the UP / DOWN buttons, press ENTER button.

**6.4.3.** Select the desired item using the UP / DOWN buttons. Then press ENTER button.

## 7 Description of Menu Function

### 6.4.3.1. TV Aspect

Depending on the type of television you have, you may want to adjust the screen setting (aspect ratio)

- 1) 4:3 Pan-Scan : Select this for conventional size TVs when you want to see the central portion the 16:9 screen(Extreme left and right side of movie picture will be cut off.)
- 2) 4:3 Letter Box : Select when you want to see the total 16:9 ratio screen DVD supplies, even though you have a TV with a 4:3 ratio screen.
- 3) 16:9 Wide : You can view the full 16:9 picture on you wide screen TV.

**Note:**

- How to make the SETUP MENU disappear or return to menu screen during set up, Press Return button.

### 6.5. System Settings

#### 6.4.3.1. TV Output

##### 6.4.3.1. Ntsc :

You can select the system for your TV

##### 6.4.3.1. PAL :

**6.4.3.1. Auto :** Depending on the actual DVD Video discs, we advise select Auto and adjust your TV on Auto or NTSC.

**Note:**

- Depending on the DVD, 4:3 LETTER BOX may be selected automatically instead of 4:3 PAN SCAN and vice versa.

### 7.1. FM TRANSMITTER

**7.1.1.** Press FM Button, FMTRANSMITTER screen appears.

**7.1.1.** Select each mode using UP / DOWN button or FM button..  
(Frequency or Antenna)

**7.1.1.** Control each mode using the LEFT / RIGHT button.

**7.1.1.** FM frequency fixing

- The control of FM Frequency is the same below.

OFF	88.1	88.3	88.5	88.7	88.9	89.1	89.3	89.5
-----	------	------	------	------	------	------	------	------

Note : NTSC format PAL format are same all control function

## 8 Controlling Monitor Function

### 8.1. MENU Mode

8.1.1. Press the Menu Button, the MENU Screen appears.

8.1.2. Select the desired mode using the UP / DOWN Button or MENU button.

8.1.3. Control each mode using the LEFT / RIGHT button.

## 9 Components

1. MAIN BODY

2. OWNER'S MANUAL

3. REMOTE CONT.UNIT

4. INSTALLATION KIT

5. MOUNTING BRACKET

6. BATTERY

7. ASS'Y POWER CABLE

# 10 Products Standards

Item	Features
Power Consumption	MAX 30Watts
LCD Dimension(mm)	211.2(W) X 158.4(H)
Resolution(dot)	800(W) X 600(H)
Screen Size(inch)	10.4 Inch
Dot Pitch(mm)	0.264(W) °ø 0.264(H)
Viewing Angle	60° (H), 55° (V)
Signal Mode	NTSC/PAL
TV Mode	VHF/VHF VSA FORMAT
Power Source	DC 12 ~ 14V