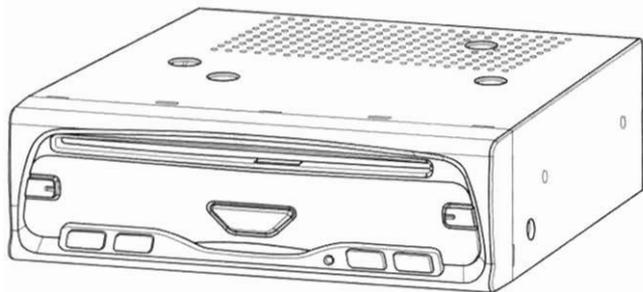
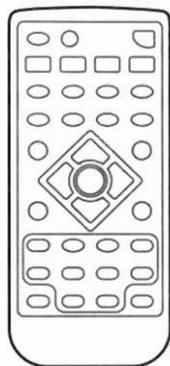


OWNER'S MANUAL

Mobile Video System



- **Multi-subtitle Languages Function**
- **Multi-audio Languages Function**
- **Multi-angle Function**
- **Parental Control**

FEATURES

Compatible with PAL DVD (Video CD) and NTSC DVD (Video CD)

This player can play discs recorded in either PAL or NTSC format.

- A single LSI chip now integrates all major DVD playback circuit functions including MPEG2 decoder, video D/A converter, and audio decoders.
- L/R stereo analog audio outputs for connection to existing head unit aux inputs. Video output is composite video.
- Supplied remote handles multi-function software (multi-language audio-track/subtitle, multi-angle, multi-story, etc.), plus all basic functions.

USE THIS PRODUCT SAFELY

When Driving

Keep the volume level low enough to be aware of road and traffic conditions.

When Car Washing

Do not expose the product to water or excessive moisture. This could cause electrical shorts, fire or other damage.

When Parked

Parking in direct sunlight can produce very high temperatures inside your vehicle. Give the interior a chance to cool down before starting playback.

Use the Proper Power Supply

This product is designed to operate with a 12 volt DC, negative ground battery system (the regular system in a North American car).

Protect the Disc Mechanism

Avoid inserting any foreign objects into the slot of this player.

Failure to observe this may cause malfunction due to the precise mechanism of this unit.

Use Authorized Service Centres

Do not attempt to disassemble or adjust this precision product. Please refer to the Service Centre list included with this product for service assistance.

For Installation

The unit should be installed in a horizontal position with the front end up at a convenient angle, but not more than 30°.

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SAFETY INFORMATION

CAUTION:

MOBILE DVD PLAYER IS A CLASS I LASER PRODUCT. HOWEVER THIS MOBILE DVD PLAYER USES A VISIBLE/INVISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE MOBILE DVD PLAYER CORRECTLY AS INSTRUCTED.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

DO NOT OPEN COVERS AND - DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

WARNING:

- TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.
- TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, AND ANNOYING INTERFERENCE, USE ONLY THE RECOMMENDED ACCESSORIES.
- THIS DEVICE IS INTENDED FOR CONTINUOUS OPERATION.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Region Management Information

Region Management Information:

This Mobile DVD Player is designed and manufactured to respond to the Region Management Information that is recorded on a DVD disc. If the Region number described on the DVD disc does not correspond to the Region number of this Mobile DVD Player, this Mobile DVD Player cannot play this disc.

Disc formats supported by this player



DVD
12 cm disc
(Single-sided disc only)



Video CD
12 cm disc



CD
12 cm disc



MP3
12 cm disc

Discs which cannot be played with this player

- DVD-ROM
- DVD-R/DVD-RAM
- CDV
- CD-G

Handling and Cleaning

- Dirt, dust, scratches and warping disc will cause misoperation.
- Do not place stickers or make scratches on discs.
- Do not warp discs.
- A disc should always be kept in its case when not in use to prevent from damaging.
- Do not place discs in the following places:
 1. Direct sunlight
 2. Dirty, dusty and damp areas
 3. Near car heaters
 4. On the seats or dashboard

Disc Cleaning

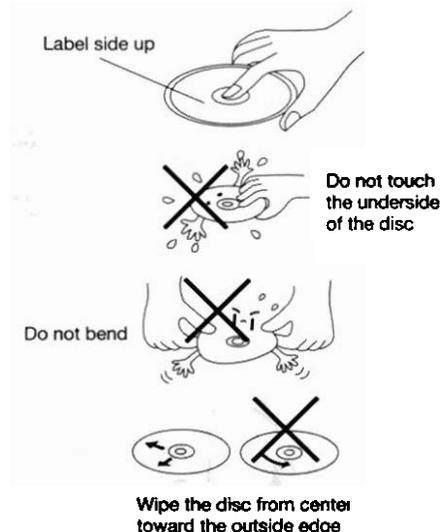
Use a dry soft cloth to wipe the surface. If the disc is quite dirty, use a soft cloth slightly moisturised with isopropyl (rubbing) alcohol. Never use solvents such as benzine, thinner or conventional record cleaners as they may mar the surface of the disc.

Note:

A disc may become somewhat scratched (although not enough to make it unusable) depending on your handle it and conditions in the usage environment.

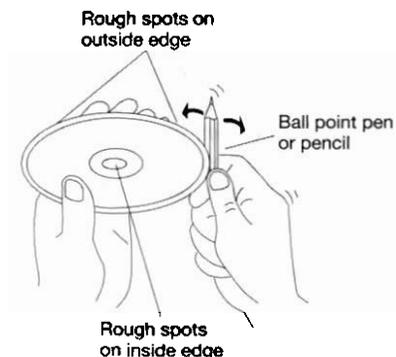
DISC NOTES

Note these scratches are not an indication of any problem with the player.

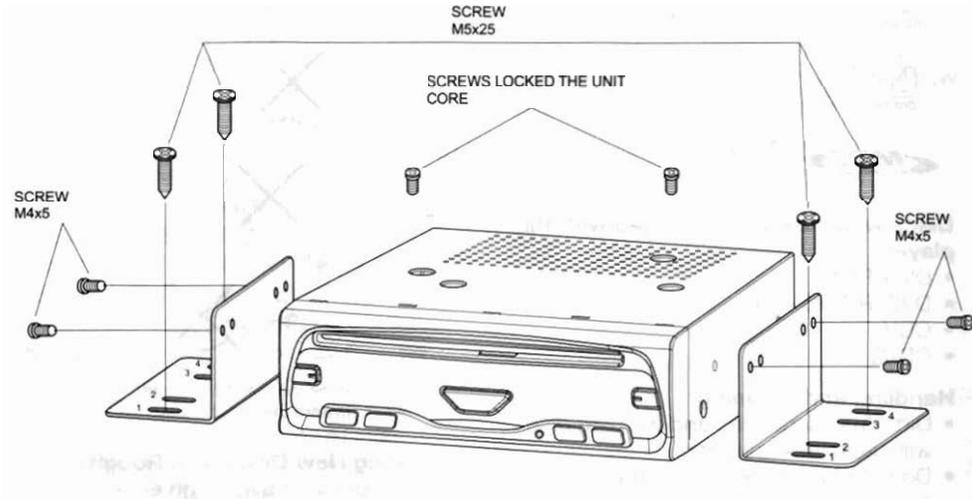


Preparing New Discs with Rough Spots

A new disc may have rough edges on its inside and outside edges. If a disc with rough edges is used, the proper setting will not be performed and the player will not play the disc. Therefore, remove the rough edges in advance by using a ball point pen or pencil as shown on the right. To remove the rough edges, press the side of the pen or pencil against the inside and outside edges of the disc.



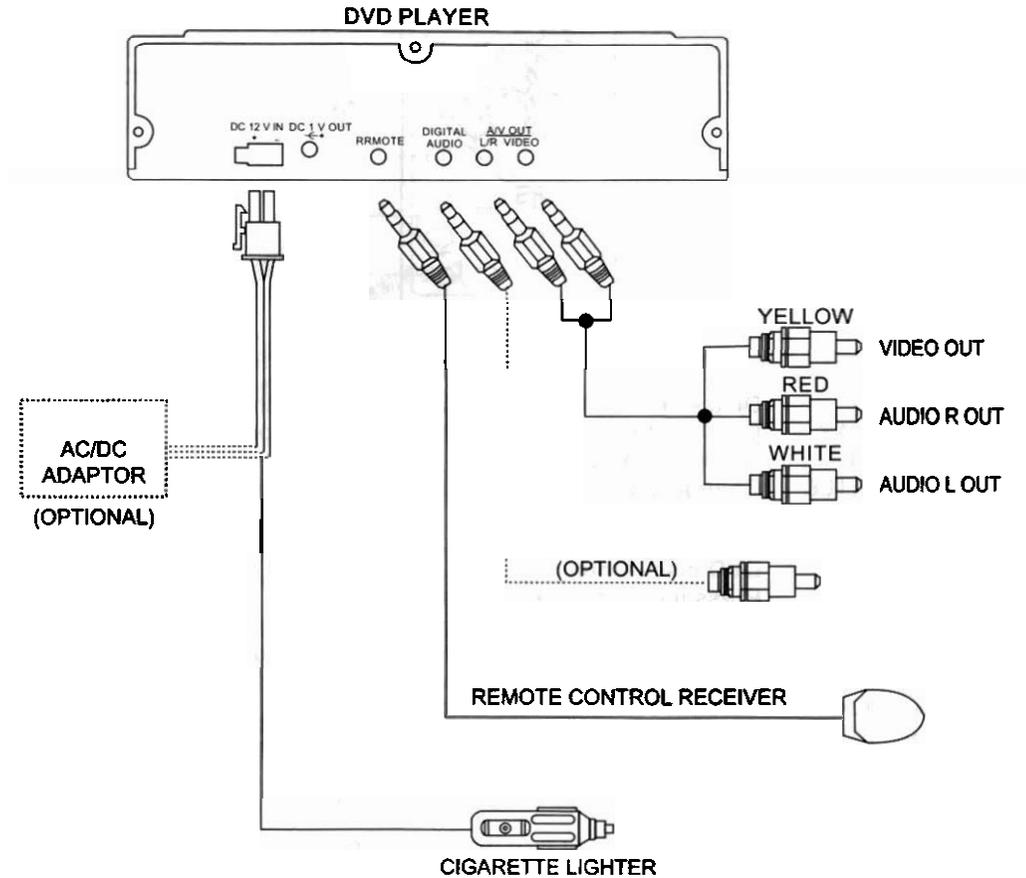
INSTALLATION



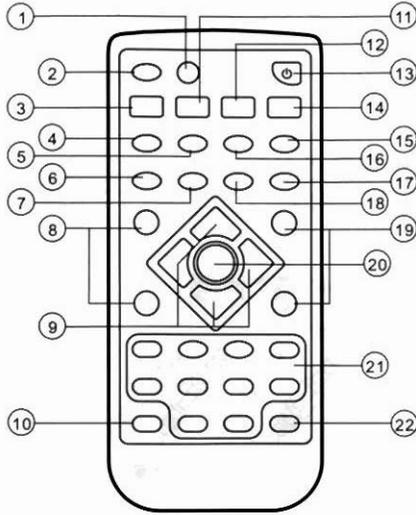
Note:

1. First remove the two screws that lock the unit core, then attach the brackets on both sides of unit with screws (M4x6), last install the unit with screws (M5x25).
2. When fix the unit, you can slide the screw (M5x25) to left side or right side to meet your needed position. In the figure above, select 1 and 3 position to fix the bracket, and you can also select 2 and 4 position to fix the bracket.

ELECTRIC CONNECTION



REMOTE CONTROL



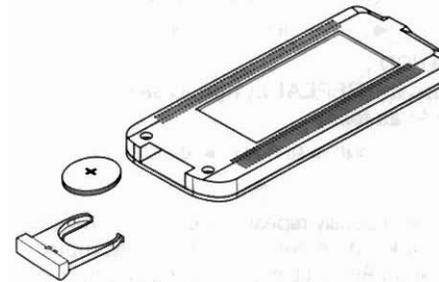
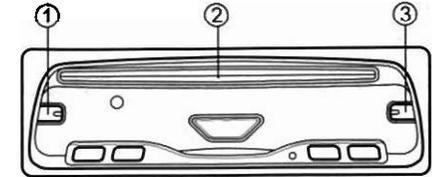
- | | |
|-------------|--|
| 1. GOTO | Disc search button, cooperatively used with numeric buttons |
| 2. DISPLAY | Display statistical disc information during playback |
| 3. EJECT | Press it to eject the disc. |
| 4. SUBTITLE | Changing of the SUBTITLE Language on multi-subtitle language DVD disc |
| 5. AUDIO | Changing of the AUDIO soundtrack on multi-audio soundtrack DVD disc. Changing of the sound mode of the VCD/CD disc |
| 6. ZOOM | Press it to zoom the picture in scale x 1.5, |
| 7. TITLE | Display the TITLE M=Menu that is stored in DVD disc changing between PBC ON and PBC OFF on the VCD disc |
| 8. ◀▶ | Press ▶▶ to start forward rapidly & ◀◀ to reverse rapidly |
| 9. ▲▼▶◀ | Cursor buttons in MENU Mode. |
| 10. SETUP | Display the SETUP menu |
| 11. ■ | Press it to stop playback |
| 12. ⏸ | Press once to pause a play, press again to resume continuous playback |
| 13. ⏻ POWER | Press POWER to turn the unit ON or OFF |
| 14. MUTE | Press it to eliminate the sound immediate |
| 15. SLOW | Changing for slow forward/reverse playback motion |
| 16. ANGLE | Changing of the view angle on multi-angle DVD disc |
| 17. A-B | Press it to repeat between two selected sports on DVD or VCD disc. |
| 18. REPEAT | Switch the Repeat mode of DVD/VCD/CD disc |
| 19. ⏮ / ⏭ | Press ⏭ to skip to the next track & press ⏮ to skip back one track |
| 20. ENTER | Confirm the Track/Chapter selected with the number key or selected with the cursor buttons on TV screen |
| 21. 0 - 9 | Numeric buttons |
| 22. +10 | Press it to select 10th digits |

REMOTE CONTROL

Preparing the Remote Control

Inserting the Batteries

1. Remove the battery holder as the direction indicated by the arrow.
2. Put the battery properly with the {+} sign up as illustrated
3. Insert the battery holder. Push in the holder to the original position



Ejecting a Disc

Press ▲ (EJECT) button (3) to eject the disc.

Using the Remote Control

Face the remote control towards the player front face IR mark (remote control signal receiver).

Operation angle: About ± 30 degree in each the direction of the front of the IR mark.

To prevent damage to the unit, be sure to follow the connection diagram (page 7).

Loading a DVD/VCD/CD Disc

1. Turn the ignition on the accessory position.
2. Press the POWER button (1).
3. Insert the disc with printed side facing up into the disc slot (2).
4. The player starts playback automatically.

BASIC OPERATION

Stopping Play

- Brief press the **■** (Stop) button to stop the unit playback, when press the **▶||** (Play) button it can continuous normal playback.
- Press **■** (Stop) button twice, it will stop the playback and go back to initial Track/Chapter.

Rapid Forward/Rapid Reverse

Press **▶▶** FF & **◀◀** REW during play. Each time the button is pressed, the speed of rapid forward/reverse changes according to the disc as follow.

DVD:

Normal Playback → 2X → 4X → 6X → 8X

VCD/CD:

Normal Playback → 1X → 2X → 3X → 4X

MP3:

Normal Playback → 2X
Press ENTER Button

Skipping Track

Press **◀◀** / **▶▶** on the remote handset or front panel during playback. Press **▶▶** to skip to next track, and **◀◀** to back one track.

Note: For some VCD 2.0 discs (PBC-playback control), **▶▶** and **◀◀** buttons may be unavailable.

Slow Motion Play

Press slow button during playback. Each time the button is pressed, the slow mode changes according to the disc as follow.

DVD:

Normal Playback → SF 2X → SF 4X → SF 8X
SR 8X ← SR 4X ← SR 2X ←

VCD:

Normal Playback → SF 1X → SF 2X
Step BWD ← SF 3X ←

Note: For VCD, in any slow mode, press ENTER button to return to normal playback.

Pause (still picture)

Pressing **▶||** during playback will stop play temporary. Return to normal playback, press **▶||** once again.

Repeat

Press the REPEAT button to select repeat mode as follow.

DVD:

Press the REPEAT button to select repeat mode as follow.

CHAPTER REPEAT ON → TITLE REPEAT ON
← REPEAT OFF ←

VCD/CD:

Press the REPEAT button to select repeat mode as follow.

REP-ONE → REP-ALL → REPEAT OFF
←

1. Continuously repeat at the current chapter/track, when selected REP-ONE mode.
2. Select REP-ALL mode to continuously repeat all chapter/track on the current disc.
3. When the player finish playback the current disc last chapter/track, it will stop display the elapsed time. When selected REPEAT OFF mode (REP-ONE & REP-ALL disappear at the screen display).
4. REPEAT feature does not support VCD2.0 (with PBC ON).

Reset

Reset button is placed on the front panel and must be activated with a ball point pen or thin metal object. Reset button is to be activated for the following reasons:

- Initial installation of the unit when all wiring is completed.
- All the function buttons do not operate.
- Error symbol on the display.

Remote Sensor (IR)

Point the remote handset to the remote sensor. Receive the signal from remote handset.

Turning the player on/off

Press the **⊕** (POWER) button on front of panel or press **⊖** (POWER) button on remote control to turn the player on or off.

BASIC OPERATION

On-Screen Display Function

Press the DISPLAY button during playback to display the contents of the current disc on the screen.

Example:

DVD:

- (1) Press DISPLAY for the first time:

TITLE 01/03 CHAPTER 002/025
00:02:25

Title Number, Total Title Number, Chapter Number, Total Chapter Number of this Title of the disc currently being played will be shown on the screen, along with the elapsed time.

- (2) Press DISPLAY for the second time:

TITLE REMAIN
01:46:58

- (3) Press DISPLAY for the third time:

CHAPTER ELAPSED
00:00:24

- (4) Press DISPLAY for the fourth time:

CHAPTER REMAIN
00:01:39

- (5) Press DISPLAY for the fifth time:

The message on the screen will be cleared.

Video CD/SVCD/CD:

- (1) Press DISPLAY for the first time:

SINGLE ELAPSED 00:00:25
TRACK 01

- (2) Press DISPLAY for the second time:

SINGLE REMAIN 00:03:15
TRACK 01

- (3) Press DISPLAY for the third time:

TOTAL ELAPSED 00:00:25
TRACK 01

- (4) Press DISPLAY for the fourth time:

TOTAL REMAIN 00:40:35
TRACK 01

- (5) Press DISPLAY for the fifth time:

The message on the screen will be cleared.

MP3:

Each time DISPLAY is pressed, the message displayed on screen changes as follows:

CHAPTER ELAPSED → CHAPTER REMAIN
←

Multi-audio Language Function

DVD:

Press AUDIO during playback. Each time the button is pressed, number of the audio soundtrack language changes on sequential order.

Notes:

- The language number is different according to the disc.
- Some disc only contain one language soundtrack.
- When no different language soundtrack are recorded, will be display at screen left top corner.

VCD:

Press AUDIO during playback. It is possible to switch the sound between monaural and stereo sound.

LEFT VOCAL → RIGHT VOCAL → MONO LEFT
← STEREO ← MONO RIGHT ←

BASIC OPERATION

CD:

Press AUDIO during playback.

It is possible to switch the sound between monaural and stereo sound.

MONO LEFT → MONO RIGHT → STEREO

TITLE Menu Function

DVD

If the DVD has multiple titles recorded on the disc. It can select preferred title from the title menu to start playback.

1. Press TITLE during playback.

The title menu is display.

2. Press the cursor button shown in TV screen, select preferred title by the cursor button and confirmed by ENTER key.

VCD:

Press TITLE button while the disc is playing, you can switch between "PBC on" and "PBC off" mode.

Multi-subtitle Language Function (For DVD only)

Press SUBTITLE during playback.

Each time the button is pressed, number of the subtitle language changes in sequential order.

Notes:

- The language number is different according to the disc.
- Some discs only contain one subtitle language.
- When no different subtitle language are recorded,  will be displayed at screen left top corner.

Multi-angle Function (For DVD only)

Press ANGLE during playback.

Each time the button is pressed, number of the angle changes in sequential order.

Notes:

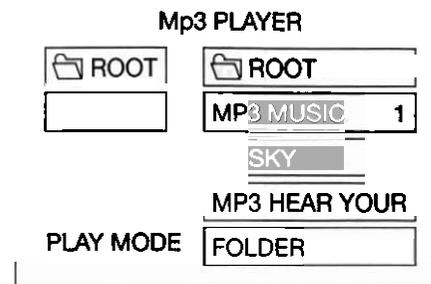
- The angle number is different according to the disc.
- The function only work for discs having scenes recorded at different angles.
- When no different angle are recorded,  will be displayed at screen left top corner.

BASIC OPERATION

MP3 Disc Play

MP3 disc is playing as the format of FOLDER.

For example:



Use ▲/▼/▶/◀ buttons to select the item or folder, then press ENTER button.

When select PLAY MODE, press the REPEAT button repeatedly to select three kinds of play mode.

REP-ONE:

Play the same song over and over again.

FOLDER REPEAT:

Play all songs in the current directory in sequence, over and over again.

DISC REPEAT:

Play all songs in the disc over and over again.

In the playback, use ◀◀ or ▶▶ to skip an item ahead or back.

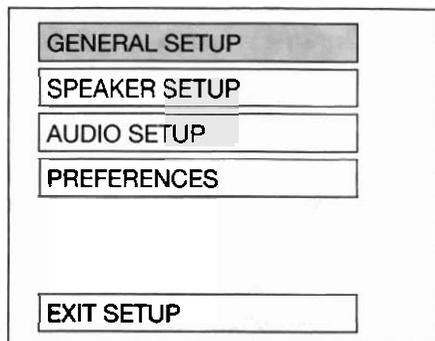
◀◀ : Rapid reverse, ▶▶ : Rapid advance

Note: The FOLDER cannot be selected during playing. It can be selected after

■ (Stop) button is pressed.

INITIAL SETUP

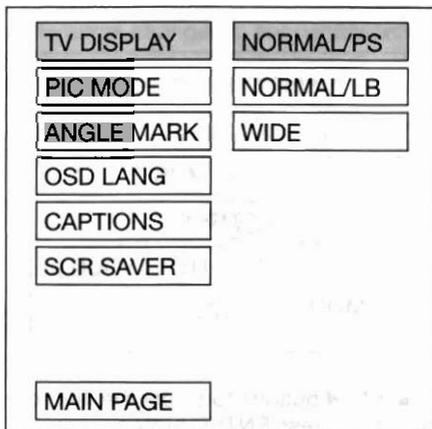
SETUP MENU --- MAIN PAGE



1. Press **SETUP** in the stop mode. (Press the stop button twice to ensure the player under STOP mode.)
2. The initial **SETUP** menu is displayed.
3. Select the preferred item by using the **▲ / ▼** buttons.
4. Press **ENTER** buttons.
 - a. **GENERAL SETUP**
This setup page includes all the item of TV display & audio output feature. The detail please refer to **GENERAL SETUP MENU**.
 - b. **SPEAKER SETUP**
This is to activate the audio output from DOLBY AC3 5.1 DOWNMIX to 2 channel mode. Please refer to **SPEAKER SETUP MENU**.
 - c. **AUDIO SETUP**
This setup page includes all the items for AUDIO. Please refer to **AUDIO SETUP MENU**.
 - d. **PREFERENCE SETUP**
This setup page includes all the configuration of support feature. The detail please refer to **PREFERENCES SETUP MENU**.

GENERAL SETUP

--- GENERAL PAGE ---



Video Material	TV Screen			
	4:3	4:3	Letter-box	Wide (16:9)
4:3				
16:9				

TV display setup

This is to select the appropriate **TV aspect** (4:3 or 16:9) according to the connected TV set.

Normal/PS (For 4:3 TV)

Played back in the **PAN & SCAN** style. (If connected to wide-screen TV, the left and right edges are cut off.)

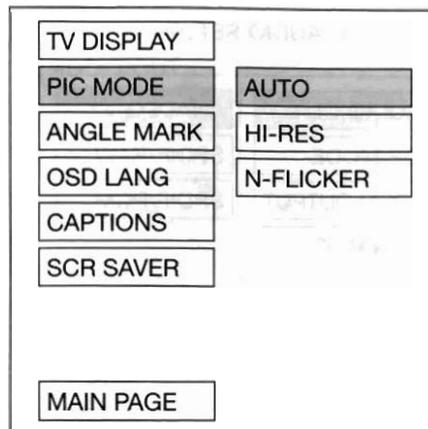
Normal/LB (For 4:3 TV)

Played back in **letterbox** style. (If connected to wide-screen TV, black bands appear at top and bottom of the screen.)

Wide (For 16:9 TV)

Select when a wide-screen TV set is connected.

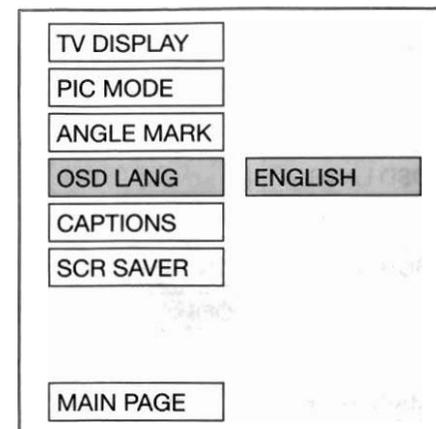
--- GENERAL PAGE ---



PIC mode setup

Select **AUTO**, the player PIC mode will depend on DVD disc. Select **HI-RES** format for best image resolution. Select **N-FLICKER** format on format on image or picture under noise affect.

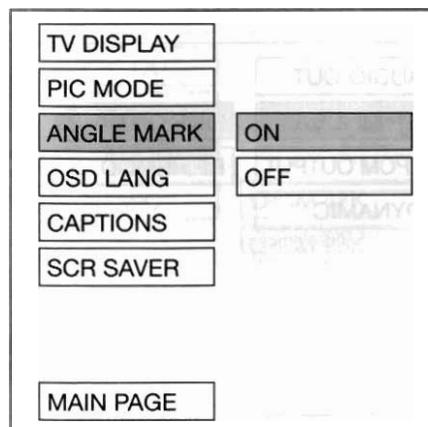
--- GENERAL PAGE ---



OSD LANG type setup

Select the preferred OSD language by using the **▲ / ▼** buttons.

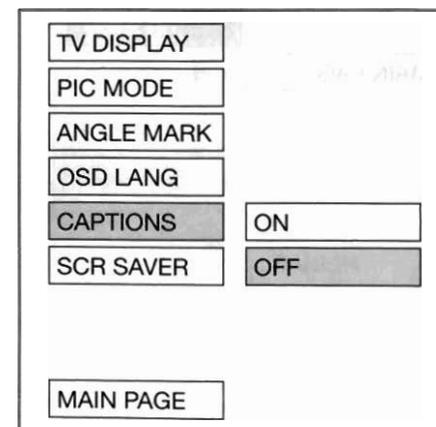
--- GENERAL PAGE ---



ANGLE MARK display setup

If it is set to **ON**, when the multi-angle DVD disc is playing, (the angle mark) will appears on the screen; if it is set to **OFF**, the mark will not appear.

--- GENERAL PAGE ---



CAPTIONS setup

Activate the **CAPTIONS** feature by selecting **ON**. And release this feature by selecting **OFF**.

--- GENERAL PAGE ---

TV DISPLAY
PIC MODE
ANGLE MARK
OSD LANG
CAPTIONS
SCR SAVER
ON
OFF
MAIN PAGE

SCR SAVER setup

Select the SCR SAVER output ON/OFF.

SPEAKER SETUP

--- SPEAKER SETUP PAGE ---

DOWNMIX	LT/RT
	STEREO
MAIN PAGE	

This is to activate the audio output from DOLBY AC3 5.1 DOWNMIX to 2 channel mode. Select the preferred SPEAKER connection by using the cursor buttons.

- Select the LT/RT to activate the Dolby surround compatible output.
- Select the STEREO to activate simple stereo mode.

AUDIO SETUP

--- AUDIO SETUP ---

AUDIO OUT	ANALOG
OP MODE	SPDIF/RAW
LPCM OUTPUT	SPDIF/PCM
DYNAMIC	
MAIN PAGE	

AUDIO OUT

This is to activate the audio output from ANALOG mode to SPDIF/RAW mode to SPDIF/PCM mode.

--- AUDIO SETUP ---

AUDIO OUT	
OP MODE	LINE OUT
LPCM OUTPUT	RF REMOD
DYNAMIC	
MAIN PAGE	

OP MODE

There are two operating modes for the Dolby Digital decoder: LINE OUT and RF REMOD.

--- AUDIO SETUP ---

AUDIO OUT	
OP MODE	FULL
LPCM OUTPUT	6/8
DYNAMIC	4/8
	2/8
	OFF
MAIN PAGE	

Dynamic Range Control

Select DRC and adjust the dynamic range of a Dobby Digital encoded program. There are 8 steps between full compression and off compression.

--- AUDIO SETUP ---

AUDIO OUT	
OP MODE	
LPCM OUTPUT	LPCM 48K
DYNAMIC	LPCM 96K
MAIN PAGE	

LPCM OUTPUT

Select the LPCM OUTPUT between LPCM 48K and LPCM 96K.

PREFERENCES SETUP

--- PREFERENCES PAGE ---

AUDIO	NTSC
SUBTITLE	PAL
DISC MENU	
PARENTAL	
PASSWORD	
DEFAULTS	
MP3 PLAYER	
MAIN PAGE	

TV type setup

This player can play discs recorded in either PAL or NTSC format.

Select NTSC format, when you connected to NTSC TV.

Select PAL format, when you connected to PAL TV.

Select AUTO format, the player TV output format will according to the DVD disc format.

--- PREFERENCES PAGE ---

TV TYPE	
AUDIO	ENGLISH
SUBTITLE	FRENCH
DISC MENU	SPANISH
PARENTAL	CHINESE
PASSWORD	JAPANESE
DEFAULTS	
MP3 PLAYER	
MAIN PAGE	

AUDIO language setup

Select the preferred AUDIO soundtrack by using the cursor buttons.

--- PREFERENCES PAGE ---

TV TYPE	
AUDIO	
SUBTITLE	ENGLISH
DISC MENU	FRENCH
PARENTAL	SPANISH
PASSWORD	CHINESE
DEFAULTS	JAPANESE
MP3 PLAYER	
MAIN PAGE	

SUBTITLE language setup

Select the preferred SUBTITLE language by using the cursor buttons.

--- PREFERENCES PAGE ---

TV TYPE	
AUDIO	
SUBTITLE	
DISC MENU	ENGLISH
PARENTAL	FRENCH
PASSWORD	SPANISH
DEFAULTS	CHINESE
MP3 PLAYER	JAPANESE
MAIN PAGE	

DISC MENU language setup

Select the preferred DISC MENU language by using the cursor buttons.

--- PREFERENCES PAGE ---

TV TYPE	1 G
AUDIO	2
SUBTITLE	3 PG
DISC MENU	4 PG 13
PARENTAL	5
PASSWORD	6 PG-R
DEFAULTS	7 NC-17
MP3 PLAYER	8 ADULT
MAIN PAGE	NO_PARENTAL

PARENTAL

Select suitable parental guidance by the cursor buttons and conformed by pressing ENTER button.

--- PREFERENCES PAGE ---

TV TYPE	
AUDIO	
SUBTITLE	
DISC MENU	
PARENTAL	
PASSWORD	CHANGE
DEFAULTS	
MP3 PLAYER	
MAIN PAGE	

PASSWORD

Select the change and press ENTER button. Type the old password (The initial factory code is 3308) and key in 4 characters password now you want to use, and retype again to confirm key in correctly.

--- PREFERENCES PAGE ---

TV TYPE	
AUDIO	
SUBTITLE	
DISC MENU	
PARENTAL	
PASSWORD	
DEFAULTS	RESET
MP3 PLAYER	
MAIN PAGE	

DEFAULTS

Select reset to become factory initial setting.

--- PREFERENCES PAGE ---

TV TYPE	
AUDIO	
SUBTITLE	
DISC MENU	
PARENTAL	
PASSWORD	
DEFAULTS	NO MENU
MP3 PLAYER	WITH MENU
MAIN PAGE	

Mp3 PLAYER

In this item, you can select NO MENU mode or WITH MENU mode.

DEFAULTS TABLE

General Setup	TV Display	Normal/PS
	PIC Mode	AUTO
	Angle Mark	ON
	OSD Language	English
	Captions	OFF
	SCR Saver	OFF
Speaker Setup	Downmix	Stereo
Audio Setup	Audio Out	Analog
	OP Mode	Line Out
	Dynamic	
	LPCM Output	LPCM 96K
Preferences	TV Type	AUTO
	Audio	English
	Subtitle	English
	DISC Menu	English
	Parental	6 PG-R
	Password	3308
	Smart NAV	With Menu

SPECIFICATIONS

Supply Voltage	: 12V DC (11V-15V), test voltage 14.4V, negative ground
Current Consumption	: Less than 2A
Signal System	: Composite video 1.0Vp-p 75Ω
Discs Played	: (1) DVD-VIDEO Disc 5" (12 cm) single-sided, single-layer 5" (12 cm) single-sided, double-layer (2) Compact Disc (CD-DA, VIDEO CD) 5" (12cm) disc
Audio Output Level	: 600Ω (2 ch 2.0 Vrms)
Audio Signal Output Characteristics	: (1) Frequency Response 20 Hz - 20 KHz (2) S/N Ratio 90 dB (JIS) (3) Wow and Flutter Below measurable limits

Note:

Specifications and design are subject to modification, without notice, due to improvements in technology.

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