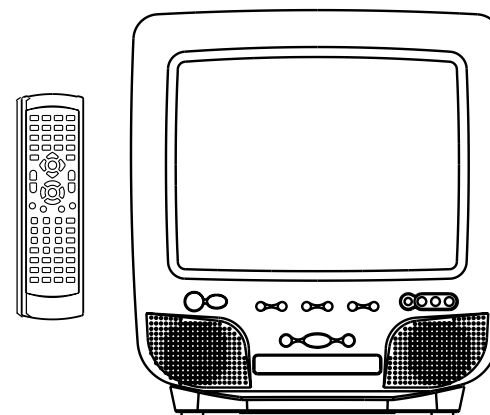


MD6421
13" COLOR TV/DVD COMBO



OPERATION MANUAL





CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK. DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The graphic symbols on the back cover of the set mean the following:



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



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 appliance.

WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

INSTALLATION

LOCATE the receiver in the room where direct light does not strike the screen. Total darkness or a reflection on the picture screen can cause eyestrain. Soft and indirect lighting is recommended for comfortable viewing.

ALLOW enough space between the receiver and the wall to permit proper ventilation.

AVOID excessive warm locations to prevent possible damage to the cabinet or component failure.

CONNECTION

This TV receiver can be connected to AC: 120V~ 60Hz, NEVER connect to DC supply or any other power.

AUTOMATIC DEGAUSSING

All color television receivers are sensitive to magnetic influences, usually caused by either moving the receiver from one place to another or using certain electrical appliances near the receiver. This residual magnetism as it is called, sometimes causes distortion which gives rise to "blotchy" areas of color in the picture. To avoid these effects the receiver incorporates an automatic degaussing circuit which operates for a short while immediately each time the receiver is switched on using the mains switch. This circuit removes any residual magnetism in the metal parts of the picture tube and therefore ensures a picture without disturbances due to magnetism. If the set is moved or faced in a different direction, the mains switch must be switched off at least 10 minutes in order that the automatic degaussing circuit operates properly.

TECHNICAL SPECIFICATIONS

Receiving Channels

TV	VHF	2 - 13
	UHF	14 - 69
CATV	VHF	1-47, 95-99
	UHF	48 - 94, 100 - 125

Tuner Type 181 channel, Quartz PLL, Frequency Synthesized

DVD SECTION

Laser Wave length :	655nm
Laser power :	Class 1
Signal System	NTSC - M
Digital audio output	Coaxial digital output; pin jack
AV Output	RCA jack

GENERAL SECTION

AC Power Input	120V ~60 Hz
AC Power Consumption	95W
Speaker	3" 8ohm x 2
Audio Output	2W + 2W
Dimensions	420x 409x 390 (mm)
Net Weight	13.5 Kg

* Design and specifications are subject to change without notice.

This DVD Player is designed and manufactured according 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 DVD Player, this DVD player will not play that disc.

This Region number of this DVD Player is



.

PICTURE CD

The unit can also be used to navigate picture CDs. Insert a picture CD into the tray and the disc will be loaded automatically. If the disc type can be identified, the player will start showing the pictures one by one (Slide Show Mode).

Operations

During Slide Show Mode: -

- Pressing the STOP button will shift to the Digest Mode in which 12 pictures will be shown on the screen each time.
- Press the PAUSE button to freeze the screen so that the current picture can be held for a long time. To resume the slide show mode, press the PLAY button.
- Press the NEXT button on the remote control to skip to the next picture.
- Press the PREVIOUS button on the remote control will repeat the current picture.
- When all the pictures have displayed once, the player will start the Digest Mode automatically.

CAUTION

Never tamper with any components inside your set, or any other adjustment controls not mentioned in this manual as all television receivers are high voltage instruments. The PICTURE TUBE is highly evacuated and if broken, glass fragments will be violently expelled. When cleaning, dusting the PICTURE TUBE FACE or CABINET, the power cord should be pulled out from the plug receptacle. Wipe the receiver with a dry soft cloth. All "servicing" on your receiver should be performed only by Professional Service Personnel.



Invisible laser radiation when open and interlock failed or defeated. avoid direct exposure to laser beam.

LASER SAFETY

This unit employs an optical laser beam system in the CD mechanism, designed with built-in safeguards. Do not attempt to disassemble, refer to qualified service personnel. Exposure to this invisible laser light beam may be harmful to the human eye.

THIS IS A CLASS-1 LASER PRODUCT. USE OF CONTROLS, OR ADJUSTMENTS OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN, MAY RESULT IN HAZARDOUS LASER LIGHT BEAM EXPOSURE.

**CLASS 1
LASER PRODUCT**

Manufactured under license from Dolby Laboratories, "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories. Confidential unpublished works.©1992-1997 Dolby Laboratories, Inc. All rights reserved.

IMPORTANT SAFETY INSTRUCTIONS

- Read before operating equipment

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

1. **Read Instructions** - All the safety and operating instructions should be read before the appliance is operated.
2. **Retain Instructions** - The safety and operating instructions should be retained for future reference.
3. **Heed Warning** - All warnings on the product and in the operating instructions should be adhered to.
4. **Follow Instructions** - All operating and use instructions should be followed.
5. **Cleaning** - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

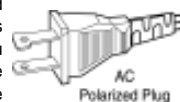
Exception: A product that is meant for uninterrupted service and that for some specific reason, such as the possibility of the loss of an authorization code for a CATV converter, is not intended to be unplugged by the user for cleaning or any other purpose, may exclude the reference to unplugging the product in the cleaning description otherwise required in 131.8(5).

6. **Attachments** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. **Water and Moisture** - Do not use this product near water – for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool and the like.
8. **Accessories** – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product.



Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

9. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surface may cause the product and cart combination to overturn.
10. **Ventilation** - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
11. **Power Sources** - The product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
12. **Grounding or Polarization** - This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
Alternative Warnings - This product is equipped with a three-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.
13. **Power-Cord Protection** - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
14. **Protective Attachment Plug** - The product is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.

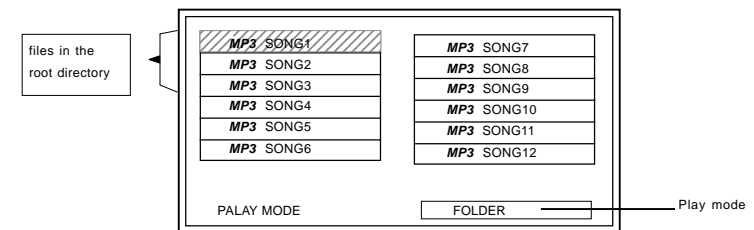


MP3

Your unit supports ISO9660 file system CD-ROM navigation of Multi-Media files such as MP3 playback.

Operation

- Insert the MP3 disc into the tray. Navigation Menu will be displayed. The menu will show the files in the root directory, and the MP3 files then be play automatically.



Note

- Operations such as "STOP", "NEXT" and "PREVIOUS" are similar to that of CD Audio disc playback
- Cross-folders playback is not supported and "Program Mode" is not applicable in MP3 disc playback.

Play Mode

User can change the Play Mode by accessing the PLAY MODE field through the LEFT/RIGHT Navigation Arrows in the menu. There are five different play modes when playing MP3 disc.

1. **FOLDER**
All the files in the current folder will be played once in sequence.
2. **SINGLE**
The selected file will be played once in sequence.
3. **REPEAT ONE**
The selected file will be repeated.
4. **REPEAT FOLDER**
All the files in the current folder will be repeated.
5. **SHUFFLE**
The selected file will be played in shuffle.

• DVD

1. Press the PROGRAM Key. The Program Sequence table will be shown on the screen.

PROGRAM: TT(04) / CH (-)					
01	TT:	CH:	06	TT:	CH:
02	TT:	CH:	07	TT:	CH:
03	TT:	CH:	08	TT:	CH:
04	TT:	CH:	09	TT:	CH:
05	TT:	CH:	10	TT:	CH:
EXIT			NEXT >>		

2. Enter the title number with the Number keys (0-9) on the remote control.

PROGRAM: TT(02) / CH (03)					
01	TT: 02	CH: 03	06	TT:	CH:
02	TT:	CH:	07	TT:	CH:
03	TT:	CH:	08	TT:	CH:
04	TT:	CH:	09	TT:	CH:
05	TT:	CH:	10	TT:	CH:
EXIT			NEXT >>		

3. Enter the Chapter number of the title selected in the last step.

PROGRAM: TT(04) / CH (-)					
01	TT: 02	CH: 03	06	TT:	CH:
02	TT:	CH:	07	TT:	CH:
03	TT:	CH:	08	TT:	CH:
04	TT:	CH:	09	TT:	CH:
05	TT:	CH:	10	TT:	CH:
EXIT			START	NEXT >>	

4. Repeat step 2 – 3 to input the sequence.

PROGRAM: TT(04) / CH (-)					
01	TT: 02	CH: 03	06	TT:	CH:
02	TT: 01	CH: 01	07	TT:	CH:
03	TT: 04	CH: 02	08	TT:	CH:
04	TT:	CH:	09	TT:	CH:
05	TT:	CH:	10	TT:	CH:
EXIT			START	NEXT >>	

5. After assigning the playback sequence, move the highlight cursor to the START option by using the Navigation Arrows. Press **ENTER** on the remote control to confirm.

PROGRAM: TT(04) / CH (-)					
01	TT: 02	CH: 03	06	TT:	CH:
02	TT: 01	CH: 01	07	TT:	CH:
03	TT: 04	CH: 02	08	TT:	CH:
04	TT:	CH:	09	TT:	CH:
05	TT:	CH:	10	TT:	CH:
EXIT			START	NEXT >>	

Note : The program can be removed in the same ways as CD audio.

15. **Outdoor Antenna Grounding** – If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/ NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

**GROUNDING ACC. TO
ARTICLE 810
of the National Electrical Code
ANSI/NFPA 70**

16. **Lightning** – For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and powerline surges.

17. **Power Lines** — An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

18. **Overloading** – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

19. **Object and Liquid Entry** – Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

20. **Servicing** — Do not attempt to service the product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

21. **Damage Requiring Service** — Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or the plug is damaged,
- If liquid has been spilled, or objects have fallen into the product,
- If the product has been exposed to rain or water,
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
- If the product has been dropped, or damaged in any way, and
- When the product exhibits a distinct change in performance – this indicates a need for service.

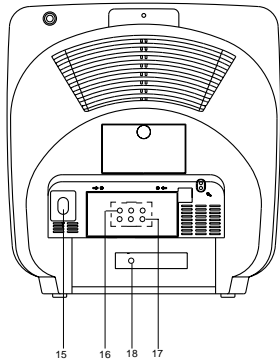
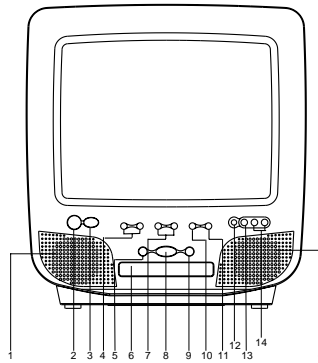
22. **Replacement Parts** – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

23. **Safety Check** – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

24. **Wall or Ceiling Mounting** — The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

25. **Heat** — The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

LOCATION OF CONTROL



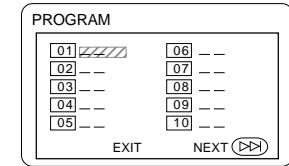
1. Speaker
2. Power Button
3. Remote Sensor
4. Channel Buttons
5. Open/Close Button
6. DVD Loader
7. Volume Buttons
8. DVD Play Button
9. DVD Stop Button
10. TV Menu Button
11. TV/AV/DVD Button
12. Earphone Socket
13. Video Input Socket
14. Audio Input Socket (R+L)
15. 75 ohm Antenna Socket
16. Back Video/Audio Input
17. Video/Audio Output
18. Audio Digital Out Socket
(For DVD only)

PROGRAMMING

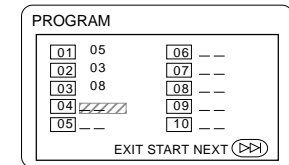
This function is applicable for DVD and CD audio. You can assign the playback sequence according to your preference. For CD audio, you can assign the track sequence while for DVD disc, you can assign both the title and chapter sequence.

• CD

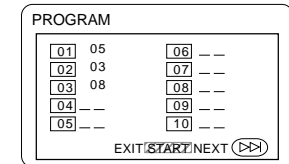
1. Press the PROGRAM Key. The Program Sequence table will be shown on the screen.



2. Enter the track numbers according to your preference with the number keys (0-9).

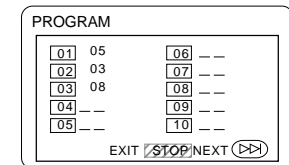


3. After assigning the playback sequence, move the highlight cursor to the START option by using the Navigation Arrows.
Press **ENTER** on the remote controller to confirm.



To remove the program :

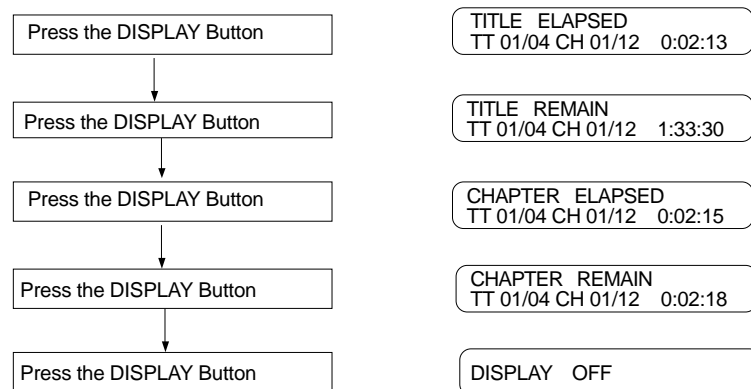
1. Press the PROGRAM Key to cancel the Program Menu.
2. Move the highlight cursor to the STOP option by using the Navigation Arrows.
3. Press **ENTER** to confirm.



Display (Remaining Time)

This function is applicable for DVD only. It will display the timing information of the playback on the screen.

- For DVD playback, subsequent key press on the DISPLAY key will show the Title Elapsed Time, Title Remain Time, Chapter Elapse Time and Chapter Remain Time one by one.



Resume Play

This function is applicable for DVD and CD audio. During the disc playback, when the STOP button is pressed once, the player will enter the Resume Play mode. At this time, if the PLAY button is pressed again, the player will resume playback at the location where the STOP button was pressed. If the STOP button is pressed twice, the player will stop.

Zoom

This function is applicable for DVD. You can enlarge a freeze-frame picture or a moving picture by pressing the ZOOM key. There are 3 levels of zooming (2x, 3x and 4x) that can be selected by pressing the ZOOM key.

NOTE: The detail of the picture to be enlarged can be selected by using the navigation keys (←↑→↓).

Bookmark

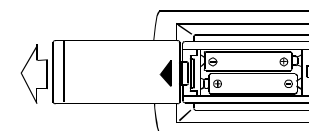
The bookmark function allows you to define up to 12 different marks on a DVD, so that you can quickly find the passage later. Press the MARK button during playback and the bookmark table will be shown. Press PLAY to mark one passage. Use the navigation keys to choose another box. Press PLAY to call up a stored bookmark and CLEAR to clear it. Press the MARK button to leave the bookmark table.

REMOTE CONTROL

1. DVD Subtitle Button
2. Eject Button
3. Mark Button
4. Repeat Button
5. Audio Button
6. Program Button
7. Angle Button
8. Direction Up Button
9. Clear Button
10. Direction Left Button
11. Pause/Step Button
12. TV Channel Buttons
13. Fast Backward Button
14. Stop Button
15. Slow Play Buttons
16. Numeric Buttons
17. CCD ON/OFF Button
18. CCD-1,2,3,4 Buttons
19. CCD-TEXT Button
20. DVD/TV Buttons
21. Menu Control Button
22. TV Menu Button
23. TV/AV Button
24. TV Display Button
25. TV Sleep Button
26. TV Memory Button
27. DVD Skip Backward/Forward Button
28. Play Button
29. Fast Backward Button (Next)
30. Volume Button
31. Direction Down Button
32. Direction Right Button
33. +10 Button
34. DVD Enter Button
35. Search Button
36. DVD Zoom Button
37. Setup Button
38. GUI Button
39. DVD Menu
40. Repeat A-B Button
41. Power On/Off Button
42. Mute Button

Battery Installation

- Insert two "AA" or "R06" 1.5 V batteries as illustrated and put the cover back.



TV OPERATION

PICTURE ADJUSTMENT

- Press the [MENU] key to enter the PICTURE mode.
- Press the [▼] / [▲] keys to select the desired adjustment.
- Press [◀] / [▶] keys to adjust the level of selected item. The level setting can be adjusted from "0" to "100".
- Press [◀] / [▶] keys to set the BLUE BACK (blue background) to ON or OFF.
- Press the [MENU] key to go back to the previous screen.

PICTURE	
COLOR	80
BRIGHT	80
CONT	100
SHARP	50
TINT	0
BLUE BACK	ON
SELECT	ADJUST

TV CHANNEL PROGRAMMING

- Press [MENU] key twice to select TUNING mode.
- Press the [▲] or [▼] key to select a desired item.

TUNING	
CHANNEL	10
TV/CATV	TV
ADD/ERASE	ADD
MANUAL	DOWN
FINE	+00
AUTO MEMORY	
SELECT	↑ ↓ ADJUST <---->

- CHANNEL**
 - Press the [◀] or [▶] key to select the desired channel.
- TV/CATV**
 - Use the [◀] or [▶] key to select TV or CATV.
- ADD/ERASE**
 - Use the [◀] or [▶] key to select the ADD or ERASE.
- MANUAL**
 - Select MANUAL (Manual Search), then press the [◀] or [▶] key to start channel automatic searching.
 - The search stops when a broadcasting station is located. The station will be stored in the memory.
- FINE**
 - Press the [◀] or [▶] key to fine tune the station.

Subtitle

This function is only available for DVD disc to change the subtitle language to be shown on the screen.

Note: The number of subtitle languages available depends on the DVD.

Angle

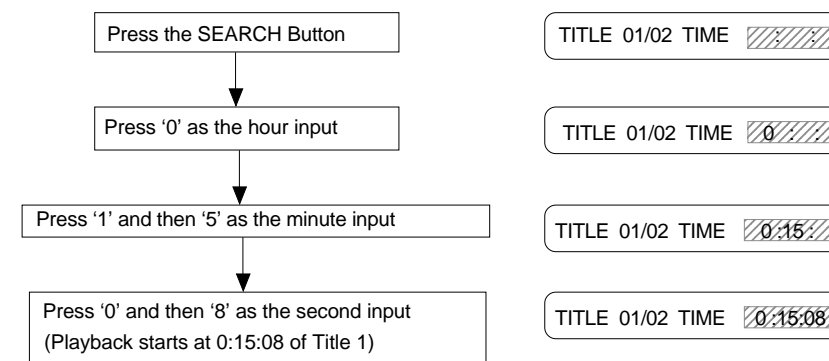
Some discs may have multiple viewing angles during production. The ANGLE button is used to select the viewing angle shown on the screen.

Note: The number of angle views available depends on the DVD.

Search

This function is applicable for DVD and CD audio. Through this function, the user can access a specific passage or a specific track by entering the target time or the track number.

- In the DVD playback mode, the player provides two search modes : Search Chapter Time and Search Title Time.
 - Press the SEARCH key to choose a search mode (Title time / Chapter time).
 - Enter the target time with the Number keys (0-9) and the player will skip to the target location immediately.



- In CD audio, you can only access a location within the current track.
 - Press the SEARCH key to enter the Search Mode (there is only one mode in CD audio playback).
 - Enter the target time with the number keys (0-9) and the player will skip to the target location immediately.

Select with Number Button (0 – 9)

When using the number buttons to access direct input, you are always required to enter two digits. For example, to input the number '3', press '0' and '3'.

- During a DVD movie playback, input the Number Buttons to select the Chapter within the current title.
- When playing an audio CD, number keys can be used to access tracks directly.

Audio Mode

This function is applicable for DVD and CD audio but with different effects.

- For a DVD disc, pressing the AUDIO button will change the language of playback.
- For CD, pressing the AUDIO MENU button will change the audio mode.

Fast Play

This function is applicable for DVD and CD audio but with different effects. The FAST FORWARD (FF) key and FAST BACKWARD (FR) keys are used to fast play current chapter / track.

- For DVD, there are 4 different levels of speed (2x, 4x, 8x, 16x). Every successive key press will increment the play speed.
Note : Pressing the PLAY button at any stage will resume to normal speed.
- For CD audio, the FF/FR allows fast program search. Playback will resume to normal speed when FF/FR is released.

Slow Play

The Slow Forward is applicable only for DVD. There are 4 steps of slow motion speed; 1/2, 1/4, 1/8, 1/16. Successive key presses will reduce the playback speed.

Note : Pressing the PLAY key to switch back to normal playback speed.

Repeat Mode

This function is applicable for DVD and CD audio but with different effects.

- For DVD disc playback, you can choose to repeat the current chapter or the current title. Press the REPEAT key to change between these two options.
- For CD, you can choose to repeat the current track or the whole disc (Repeat All). Press the REPEAT key to change between these two options.

Repeat AB

This function is applicable for DVD and CD audio. User can specify the repeating interval by marking the starting point and the end point.

1. Press the REPEAT AB Button to mark the starting point (the playback will continue).
2. Press the REPEAT AB Button to mark the end point (the marked part will be repeated automatically).

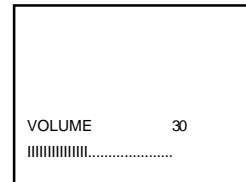
Note : Pressing the REPEAT AB Button during repetition will cancel the repeat mode.

Auto Memory/Scan for Channels

- Press the [▼] or [▲] key to select "AUTO MEMORY", then press the [▶] key start the Auto Memory process.
- If signal is detected, the current channel is entered in the memory and proceeds to the next receivable channel.
- After the highest receivable channel is detected, the auto memory operation will stop, and the lowest receivable channel will show on the screen.

VOLUME CONTROL

- Press the [VOL UP] or, [VOL DOWN] button to adjust the sound level. The volume steps can be adjusted from 0 to 100.



AUTO POWER-OFF FUNCTION

- If no broadcast is received for about 15 minutes and no key is selected during that time, the power is automatically turned off. (This function does not operate if an AV signal is connected to input.)

BLUE BACKGROUND FUNCTION

- When no video signal is available, the screen displays with a blue background and the audio is muted.
- This function can be switched "On" or "Off" in the picture mode.

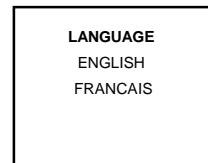
DISPLAY BUTTON

Pressing the [DISPLAY] button displays the following information:

(1) Current channel No. or Video

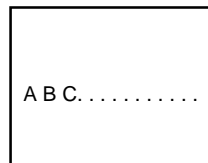
DISPLAY LANGUAGE

- The language menu allows you to choose the preferred language.
- Press the [▲] or [▼] key to select the desired language.



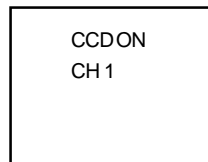
CLOSED CAPTION DECODER CONTROL

- Press the CCD ON/OFF button to switch the CCD function on or off.



Selecting Data Channel

- Press the CCD 1.2.3.4 button to change the CCD data channel to C1, C2 or C3, C4 as desired.



Text Display Function

- Press the CCD TEXT button to display closed caption text.

Note: The CCD and text function is available only when the current channel signal contains this information.

ABCDEF GH...01234567....
XYZ....
123....

V-CHIP FUNCTION FOR PARENTAL CONTROLS

V-Chip Menu

- Press Menu button to select V-Chip
[PICTURE]→[TUNNING]→[LANGUAGE]→[V-CHIP]→EXIT

Input Pin No .

- To enter and set V-Chip function entering the Pin No is required.
1) Enter the 4 digit pin no.

Notes:

- The default PIN NO. is set to 1111 at the factory.
- When incorrect PIN NO. is entered, "INCORRECT" message appears.
- When correct PIN NO. is entered, V-CHIP menu is displayed.

V-CHIP

PIN NO.

INCORRECT

V-Chip setting

- Press the [▼] or [▲] button to select setting options.
(MPAA, TV Guidelines, Block)
- Press the [◀] or [▶] button to enter the selection and change rating level .

V-CHIP

▶ MPAA RATING
TV GUIDELINES
BLOCK ON
SELECT ↑ ↓ SET -->

1. Setting MPAA Rating system

- In the MPAA Rating setting menu, the rating level can be set and changed by pressing [◀] or [▶] buttons.
There are 7 level rating system
[▶] button - - (non) → G → PG → PG-13 → R → NC-17 → X
[◀] button - - (non) ← G ← PG ← PG-13 ← R ← NC-17 ← X

V-CHIP

MPAA RATING
▶ G
BLOCK
[X NC-17 R PG-13 PG G]
SET-->

Rating System

G: General audience	PG: Parental guidance suggested
PG-13: Parents strongly cautioned	R: Restricted
NC-17: No one 17 and under admitted	X: Not rated.

DVD Functions

Play Discs

- Press the OPEN/CLOSE Button (Δ) on the front panel and load the disc on the tray. The label side should be facing upwards. For a double-sided DVD Disc, place the disc with label A/1 up.
- Press the OPEN/CLOSE (Δ) button again to close the tray and the disc will be loaded.
- The disc will be played automatically.
 - If it is a DVD disc, it will show the Menu/Title Page on the screen.
 - If it is a CD, it will play the first track directly.
- Press the STOP Button (□) if you want to stop the disc playback. You can resume playback by pressing the PLAY button and it will start at the passage where it stopped (Resume Play).
- Press the STOP button twice to stop the disc completely.

PAUSE Mode

This function is applicable for DVD and CD audio.

- For DVD , the picture will become static.
 - For CD audio, it will become silent.
- Pressing the PAUSE Button (||) will cause the player to enter Pause mode.
 - Pressing the PLAY Button or PAUSE Button again will resume to Play State.

OSD – On Screen Display

There are 4 OSD languages embedded in the DVD Player : English, Spanish, German and French.

- Press the SETUP button on the remote controller to enter the setup menu main page.
- Choose General Setup through the Navigation Arrows (←↑→↓) and press ENTER.
- Go to the OSD LANG option and use the navigation keys to make the selection.
- Press ENTER to confirm.
- Press SETUP again to quit the Setup menu.

DVD Menu

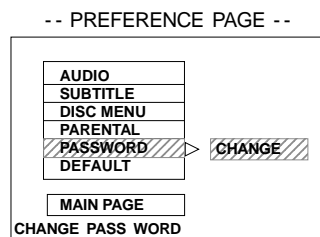
The DVD Menu Play function is only applicable for DVD movies. You can access, e.g., casting information, production history, movie introduction etc.

- Press the DVD MENU Button on the remote controller to enter the Root Menu.
- Use the navigation keys (←↑→↓) or input the item index through the number keys (0-9) to make the selection.
- Press ENTER to confirm the selection.

Password

You can change the password that is required when you decide to change the Age Control Level in the Parental Lock function.

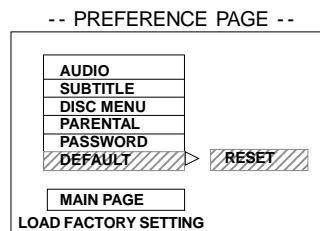
NOTE: (The factory setting is 1369)



Default

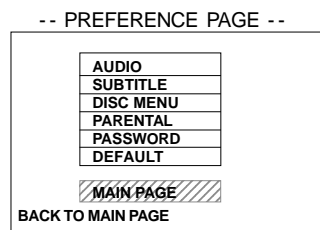
You can load the original factory setting by choosing RESET and press ENTER.

- RESET



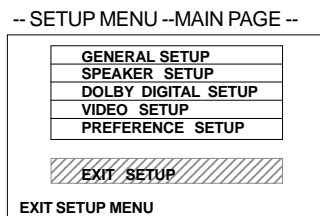
Main Page

Go back to main setup menu.



Exit Setup

Quit the Setup Menu.



2. Setting TV Guidelines Rating System.

- In the TV Guidelines Rating setting MENU, a rating level can be changed by [◀] or [▶] button. There are 7 level rating system.
[▶] button -- (non) --> TV-Y --> TV-Y7 --> TV-G --> TV-PG --> TV-14 --> TV-MA
[◀] button -- (non) --< TV-Y <-- TV-Y7 <-- TV-G <-- TV-PG <-- TV-14 <-- TV-MA

Data content setting in TV Guidelines

Using TV-Guidelines requires setting the content data using below buttons:

[▲] / [▼] button to select content items (FV, V, S, L, D)
[◀] / [▶] button to select content block (FV, V, S, L, D)

VIEW : No contents is set

BLOCK : Setting contents is blocked.

Setting contents are available following rating system:

TV-Y7 : FV	TV-PG : V, S, L, D
TV-14 : V,S,L,D	TV-MA : V,S,L

Note: Meaning of each rating system

TV-Y : All children	TV-Y7 : Directed to Older children
TV-G : General audienc	TV-PG : Parental guidance suggested
TV-14 : Parental Guidance suggested	
TV-MA : Mature Audience only	

S = Sex : Programs containing sexual content

L = Language : Programs containing coarse language

V = Violence : Programs containing violence

D = Suggestive Dialogue: Programs containing suggestive dialogue, or sexual innuendo.

FV = Fantasy Violence: Programs containing cartoon violence occurring in TV-Y7 programs only.

V-CHIP
TV GUIDELINES
TV-PG
CONTENT
BLOCK [TV V - L -]
[TV -MA -17-PG]
SET-->

V-CHIP
CONTENT BLOCK
FV:BLOCK
V:VIEW
S:VIEW
L:VIEW
D:BLOCK
SET <--> SELECT

V-CHIP Activity

V-Chip Function is active when receiving rating data that is equal to or higher than the user's setting of MPAA/TV Guidelines.

Blocking Cancel , Stop & Hold

- V-Chip Function will be cancelled or stopped and held under the following conditions:
[BLOCKING CANCEL]
** Block is "OFF" in V-Chip setting Menu
** No Rating Data in over 5 sec
** During Tuning
[Blocking STOP and HOLD]
** When the blocking is activated, push the MENU button, select Pin No. Input Menu. If Pin No. is entered correctly, Blocking is stopped and on hold.

OPERATING WITH REMOTE CONTROL

Selecting a TV station with the remote control:

1. Channel Number Up and Down
Press the CH. " [▲] " or " [▼] " button to select a higher or lower channel number.
2. 0 - 9 Digital Button
To select TV stations using channel numbers 0 - 9, press the desired CH-number.
The channel number will appear on the left corner of the top of the screen in yellow color.
3. Two Digit Channel Number
To select TV station using channel numbers "10" - "89".
For example: selecting channel 12. Press the button "-/- -"
* Then press the number "1" button (screen will show "1-")
* Then press the number "2" button, (channel "12" will show.)

Power Button (⏻)

- Press this button to switch ON/OFF the set.

Sleep Timer (⌚)

- The TV set can switch OFF automatically in 15 minute intervals upto 120 minutes. When SLEEP button is pressed, the screen display will show " ⌚ " in red color and the set time in yellow color. Keep pressing the button till the desired set time appears.
- Press the SLEEP TIMER button to display the remaining time. To cancel the setting of sleep time, press the SLEEP TIMER button until display shows "SLEEP OFF".

Mute Button (🔇)

- Press the "🔇" button to switch OFF the sound, press once again to switch ON the sound.

TV/AV Mode Button

- If video/audio input sockets are used, press AV Mode button. "AV" will display on the top left corner of the screen.

DVD PLAYER OPERATION

Basic Operation

1. Press "TV/DVD" button to turn DVD on.
 2. Press "OPEN / CLOSE (EJECT)" button to load disc on disc tray.
 3. Press "OPEN / CLOSE" button to close the tray.
- Hold the disc without touching either of its surfaces, position it with the printed title side facing up, align it with the guides, and place it in it's proper position.

Subtitle

If a language listed below is recorded on the disc, set the subtitle to be displayed in such language. If not, the language recorded will be used.

- ENGLISH
- FRENCH
- SPANISH
- GERMAN

Disc Menu

If a language listed below is recorded on the disc, you can set the Menu to be displayed in such language. If not, the language recorded will be used.

- ENGLISH
- FRENCH
- SPANISH
- GERMAN

Parental Control

When playing a disc with parental lock function, you may select an age control level according to level of disc and your own preference. For example, if PG is selected, DVD Video disc rated higher than the PG grade cannot be played.

- KID SAF
- G
- PG
- PG 13
- P GR
- R
- NC 17
- ADULT
- OFF

-- PREFERENCE PAGE --

AUDIO	
SUBTITLE	ENGLISH
DISC MENU	FRENCH
PARENTAL	SPANISH
PASSWORD	GERMAN
DEFAULT	OFF
MAIN PAGE	
PREFERRED SUBTITLE LANGUAGE	

-- PREFERENCE PAGE --

AUDIO	
SUBTITLE	
DISC MENU	ENGLISH
PARENTAL	FRENCH
PASSWORD	SPANISH
DEFAULT	GERMAN
MAIN PAGE	
PREFERRED MENU LANGUAGE	

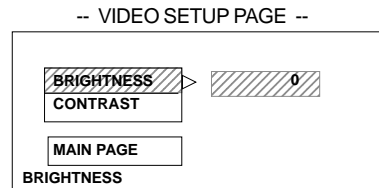
-- PREFERENCE PAGE --

AUDIO	
SUBTITLE	
DISC MENU	
PARENTAL	1. KID SAF
PASSWORD	2. G
DEFAULT	3. PG
MAIN PAGE	
SET PARENTAL CONTROL	
4. PG 13	
5. PGR	
6. R	
7. NC17	
8. ADULT	
OFF	

VIDEO SETUP

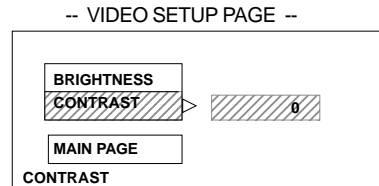
Brightness

You can set the level of brightness for the image displayed, ranged from -20 to 20.



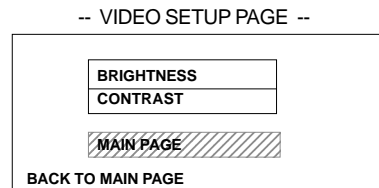
Contrast

You can set the level of contrast for the image displayed, ranged from -16 to 16.



MainPage

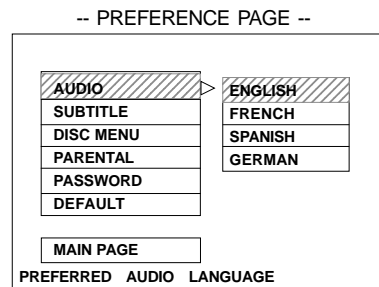
Go back to the main setup menu.



PREFERENCE PAGE – Audio

The disc will play in the recorded language available.

- ENGLISH
- FRENCH
- SPANISH
- GERMAN



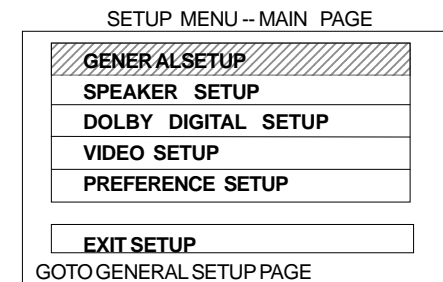
DVD Setup Mode

- The Setup Mode provides the menu for the configuration of TV mode, Speakers mode, Dolby mode and user preference.
- Item selection in the Setup Menu is done by using the Navigation Arrows and the ENTER key.
- To exit the Setup Menu, choose the EXIT option in the Setup Menu and press ENTER, then press the Setup Button.

Setup Menu Items

Press the SETUP button on the remote control. The following menu will be shown :

NOTE: (The setup menu is displayed in stop mode only)



GENERAL SETUP

TV Display

• Normal/PS

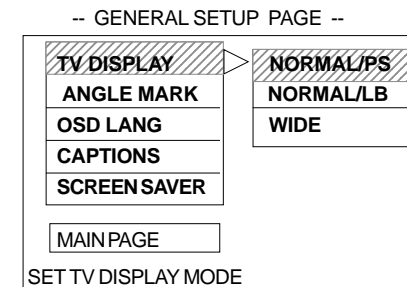
This is selected when the DVD player is connected to a normal TV. Wide-screen images are shown on the screen, but with some parts cut automatically.

• Normal/LB

This is selected when the player is connected to a normal TV. Wide-screen images are shown on the screen, with black belt on the top and bottom.

• WIDE

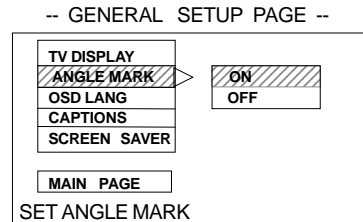
This is selected when the player is connected to a wide-screen TV.



Angle Mark

This only works when there is an angle mark on the disc. Select ON, the screen shows the mark when playing DVD.

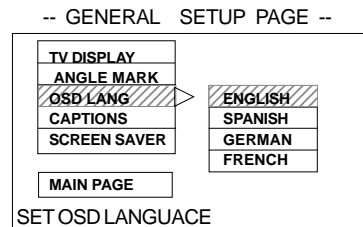
- On
- Off



OSD (On Screen Display) Language

This is used to select the OSD language.

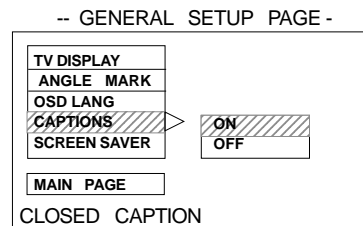
- ENGLISH
- SPANISH
- GERMAN
- FRENCH



Captions

This option can show or hide the captions.

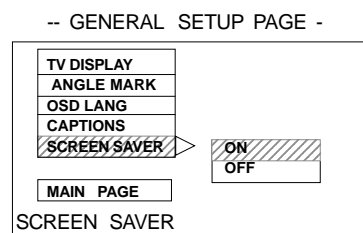
- On (Show captions)
- Off (Hide captions)



Screen Saver

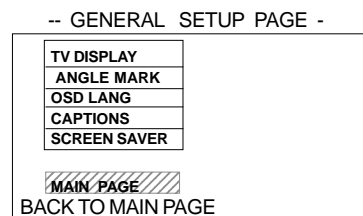
Start the screen saver, the screen saver image appears when the player stops or the image is frozen for a few minutes. This saver can keep the screen from being damaged.

- On (Start the screen saver).
- Off (Remove the screen saver).



Main Page

Go back to the Setup Main Menu.



SPEAKER SETUP

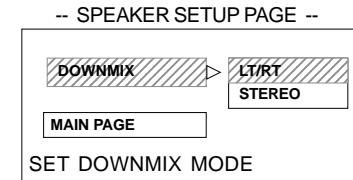
Downmix

• LT/RT

A disc recorded multi channel soundtrack, the output signal will be incorporated to left and right channel.

• STEREO

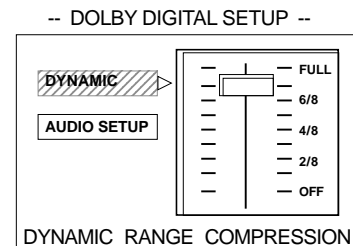
A disc recorded multi channel soundtrack, the output signal will be incorporated to stereo.



DOLBY DIGITAL SETUP

Dynamic

This option is used to set the compression ratio in order to control the sound (volume) contrast.



Main Page

Go back to the Main Page

