



DVD-110

Deluxe DVD Player

Owner's Manual



califone.com



Deluxe DVD Player Owner's Manual

Thank you for purchasing this DVD110 Player.

I invite you to register your product online for its one year warranty coverage at our website: www.califone.com - while you're there - make sure to visit our complete line of multimedia players and recorders, wired and wireless headphones and headsets, computer peripherals, portable and installed wireless audio systems, lecterns and other Califone products.

Sincerely,

Roscoe Anthony
President, Califone® International, Inc.

Warranty Registration

Please visit www.califone.com to register your DVD Player for warranty coverage. This media player is built to the same standards as the rest of our products which teachers rely on day in and day out. Califone warrants this player to be free from defective material and workmanship for one year from the purchase date. Our "Project Intercept" Customer Satisfaction program will replace defective parts and repair malfunctioning products under this warranty when the defect occurs under normal installation and use, provided the unit is returned to our factory via prepaid transportation only after the factory issues an RA (Return Authorization) number which must be clearly written on the outside of the box.

Unpacking your DVD110 Player

Check the unit carefully for damage that may have occurred during transit. Each DVD110 product is carefully inspected at the factory and packed in a special carton for safe transport.

All damage claims must be made with the freight carrier

Notify the freight carrier immediately if you observe any damage the shipping carton or product. Repack the unit in the carton and await inspection by the carrier's claim agent. Notify your dealer of the pending freight claim.

Returning your unit for service or repairs

Returning your unit for service, (800)722,0500 to **first** obtain a Return Authorization (RA) number. All shipments to Califone must include an RA number on the carton and **must** shipped prepaid. C.O.D. shipments will be refused and returned at your cost.

Contents

- a) DVD110 Player
- b) Remote Control
- c) This Instruction Manual

Safety Instructions



Warning:

This mark is a warning sign alerting you of dangerous voltage inside the DVD110.



Caution:

This mark is a warning sign alerting you of important operation and maintenance instructions accompanying the DVD110.

The highest standards of safety were considered in the design and manufacturing of this product. Safety instructions need to be fully observed. Inappropriate handling can cause electrical shocks and fire.

Power sources:

- The power cord is connected to the jack, which means when the unit is off it is still connected to the power source.
- The power cord of the appliance should be unplugged from the jack when left unused for a long period of time. Unplug the unit at the contact plug; do not pull at the cord.

Location

- The unit should be situated in a place with proper ventilation to prevent being overheated and should be placed on a hard level surface. Surfaces that are soft such as a sofa, bed, and rug may block the ventilation openings.
- The unit should be situated away from any heat source, direct sun radiation, dust-plagued areas or mechanical percussion.
- Heavy objects should be removed from the top of unit.

Precaution

- If there is anything dropped into the unit other than a disc, switch off the power source. Do not remove the cover of the unit to prevent electrical shock. Maintenance and or repair is to be done by a qualified technician – contact the Califone “Project Intercept” department with any questions.
- Do not let the laser light shine directly into your eyes as it may cause damage.

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Daily Use

Condensation inside the Player

If the player is subjected to sharp temperature changes, it may affect the components within the DVD110. Moisture may condense inside and the unit may not operate properly.

Cleaning

Clean the cabinet panel and controls with a soft cloth slightly moistened with a mild cleaning solution to avoid damaging the surface.

Disc Precaution

Do not play any cracked, broken or deformed disc. Do not try to repair the disc with any adhesive material such as glue or tape as it may damage the unit. If there is any strange noise, vibration, picture/sound distortion, stops the player immediately.

Characteristics of the Player

Audio Signal Output

5.1 sound track analogues the output of audio signal, which is outputted by the coaxial optic fiber digital audio signal and can be connected to the amplifier to enjoy the high quality sound.

Wide range of running voltage

The DVD110 operates using AC 110-240V.

Use and definition of "Title"

The picture or music is divided into several parts with the largest unit of "title". For the video software, it is a section of the picture; for the audio software, it is one piece of music. There are numbers for the title for the convenience of searching.

Use and definition of "Music Title"

This is for a group of pictures or music on a VCD, CD or MP3 disc. There is one number assigned for one music title.

Use and definition of "Chapter"

This is a unit which defines either a picture or music smaller than a title on the DVD. Usually, a title is composed of several chapters. For the convenience of searching for specific content, there is a number for each section. Some discs may not have a chapter number.

Angle

Some DVD's are filmed from different angles; the DVD110 provides the user with the option of viewing the same content in different angles. Some discs may not have a chapter number.

Continued on page 4

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Characteristics of the Player

Sound Quality

The DVD110 includes use of the Dolby Digital system developed by Dolby Laboratories and the DTS system developed by Digital Theater Systems, Inc. to deliver the highest quality surround sound effects. The high quality audio can be enjoyed when playing DVDs and CDs.

High Definition

The DVD110 includes MPEG2 coding so the horizontal definition is as high as over 500 lines, providing excellent image transmission.

High Compatibility

Besides playing DVD, the DVD110 also plays SVCD, VCD, DVCD, CD, HDCD, CD-R, CD-RW, JPEG, MP3, DVD+RW/R, DVD-RW/R formatted files.

Unique function

The DVD110 can also play in multiple languages and also includes a teacher control in order to control the content of the disc.

Zooming function

The DVD110 includes Zooming functions, "out" functions.

Special functions

The DVD110 player includes: forward, rewind, slow-motion, single-way, repeat and programmed play functions.

Time tracking

A certain time point in the content of the disc can be tracked in a short time, which makes it easier to play stories.

On screen display

Dynamic fluorescence screens and TV screens can display Chinese and English OSD. The content of the disc can be clearly shown.

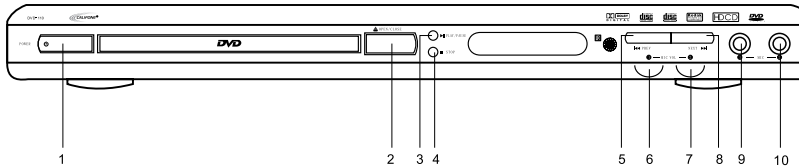
Video signal output

Various kinds of video signal output of line-by-line/alternate line VGA aberration, alternate line complex video frequency, and aberration output, S-terminal, VGA port facilitate the switch of format.

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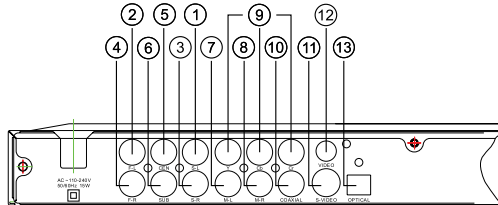
Names of Different Components

Front view



- | | |
|---------------|--------------|
| 1. POWER | 6. MIC VOL 1 |
| 2. OPEN/CLOSE | 7. MIC VOL 2 |
| 3. PLAY/PAUSE | 8. NEXT |
| 4. STOP | 9. MIC 1 |
| 5. PREV | 10. MIC 2 |

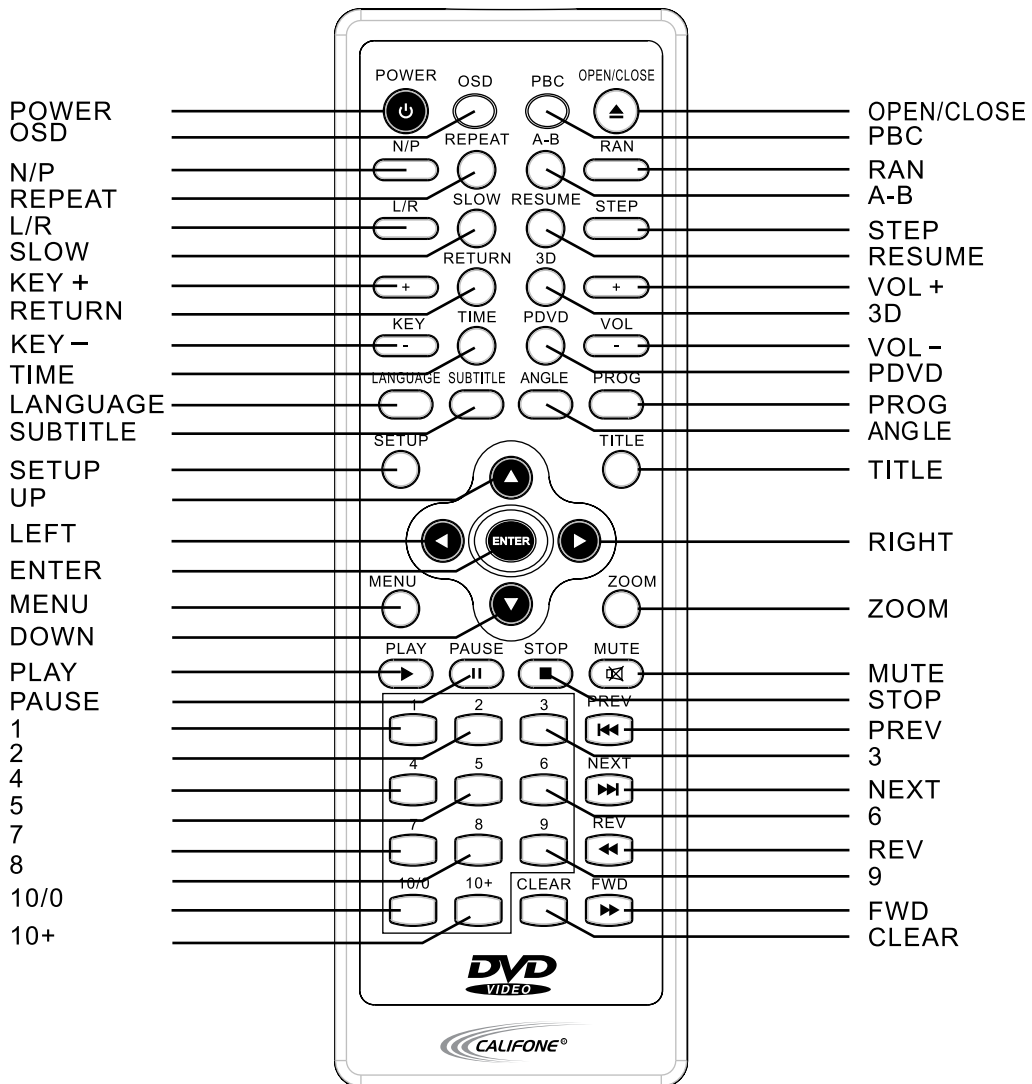
Rear view



- | | |
|--------------------------|--|
| 1. 5.1CH SL output jack | 8. 2 CH Right output jack |
| 2. 5.1CH FL output jack | 9. Y Cb Cr Component output jack |
| 3. 5.1CH SR output jack | 10. Digital Signal Coaxial output jack |
| 4. 5.1CH FR output jack | 11. S-Video output jack |
| 5. 5.1Ch CEN output jack | 12. Video output jack |
| 6. 5.1CH SUB output jack | 13. Digital Signal Optical output jack |
| 7. 2 CH Left output jack | |

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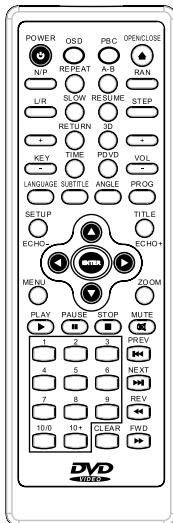
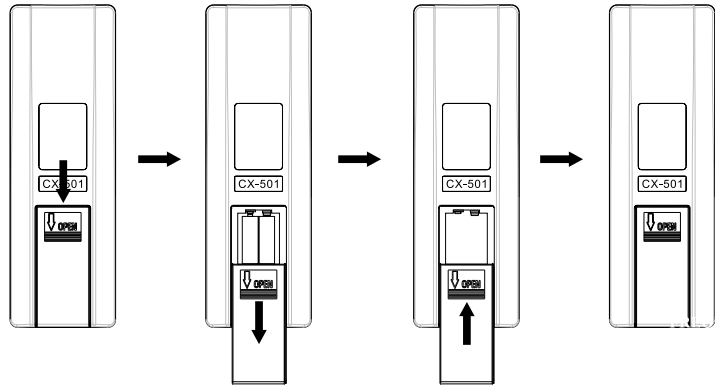
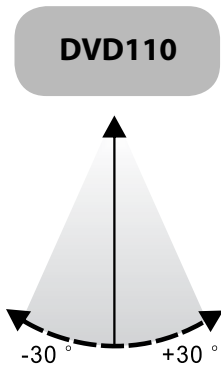
Remote Control



Remote Control Operation

Battery replacement

1. Remove battery cover
2. Insert batteries
3. Close battery cover



Care of Remote Control

Aim remote control at the remote sensor of the DVD110

Do not drop the unit from a high position

Do not expose the remote control to hot/moist environments

Do not drop any water/liquid on the remote control or the main unit

Do not expose the remote control sensor directly to a heat source

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Getting Started

Video connection

There are four video outputs on the DVD110: Standard, S-terminal, alternate line aberration and VGA.

Connecting for Standard video output

Connect the AV cable (yellow) to the standard video out jack (yellow) on the back of the DVD110 and to the standard video in jack on your TV.

Connecting S-terminal output

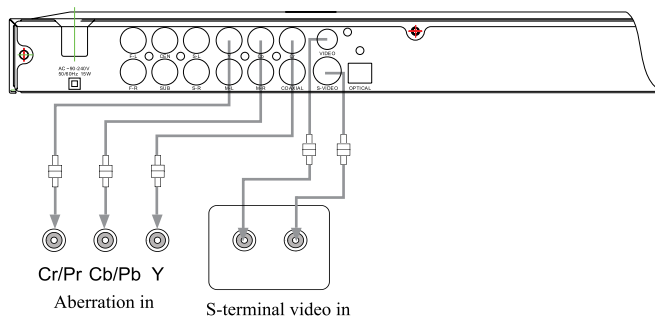
Connect the special S-terminal cable to the S-terminal video out jack of the DVD110 and to the S-terminal video in jack on your TV.

Connecting for Aberration output

Connect 3 AV cables to the aberration output jack (Pb/Cb blue aberration, Pr/Cr red aberration, Y brightness) of the DVD110 and to the corresponding jacks on your TV.

Connecting VGA output

Connect the special VGA cable to the VGA video out jack of the DVD110 and to the VGA video in jack on your TV



NOTICE:

- The choice of video signal connection depends on the video in jack on your TV
- These three ways of connection cannot be connected at the same time as the effect of the video output may be affected.

Getting Started

Audio Connection

There are two kinds of audio output: analog audio output and digital output. The analog audio output has two tracks of stereo sound after DTS decoding, Dolby AC-3 and 2.1 sound track video. Digital video has optic fiber output and coaxial output. The best audio is found by usually using digital audio output, followed by analog audio output.

Stereo output

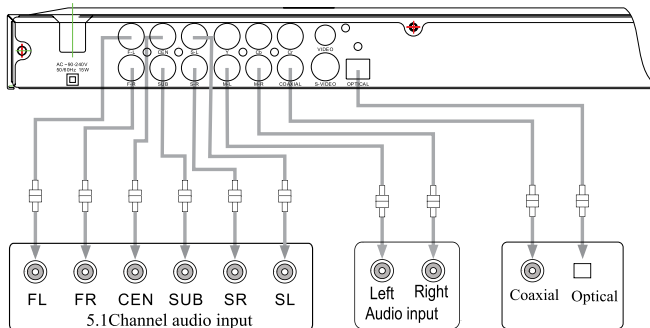
Connect a pair of RCA cables (red on the right, white on the left) to the audio out of the player, and to the stereo audio in of TV or stereo power amplifier.

Coaxial output

Connect special coaxial digital audio out jack of the player, and to coaxial audio out jack of the power amplifier (with coaxial digital input).

Optic fiber output

Connect special optic fiber cable to optic fiber digital audio out of the player, and to the power amplifier (with optic fiber cable digital input).



Notice:

- The selection of the connection of audio frequency depends on other neighboring appliance configurations. With a TV you can only choose stereo output.
- Power amplifier with either coaxial or optic fiber inputs allow you to enjoy the hi-fi effects of DTS and MPEG-II formats.
- Each connection should be in accordance with the configuration of the player. Refer to the karaoke and system setting instructions in this manual.
- Consult the instruction manual of the unit you want to connect the DVD110 to. Make sure to first turn the power off of both units.
- The output of DVDs have a wide dynamic range, so the volume of the power amplifier should be moderate, otherwise the loudspeaker may be damaged by sudden loud noises.
- When using the player, turn off the power amplifier before switching the power on or off of the player, otherwise the loudspeakers can be damaged.

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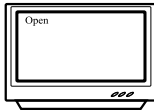
Operating your DVD110 player

The following should be done once the unit is connected:

1. Switch on the TV and select AV state of audio input. If the S-terminal is connected, select S Audio mode.
2. If the power amplifier is connected, switch on the power of the amplifier, and select "DVD".
3. Connect the player to the power source.

Step 1: Press the "open/close" button and the disc tray will slide out automatically.

Open/close



Step 2: Load the disc into the tray and the player will identify the format and type and will indicate it on the upper left of the TV screen.

How to play the DVD player

Turn on the power button of the TV, player and amplifier.

1. Press the "TV/AV" button and select video mode
 - If connected with S-video, choose video mode
 - If connected with Y, Cb, Cr select YUV mode

POWER



2. Select the correct audio output on the amplifier (some amplifiers are different, so please refer to the manual of the amplifier.)

Disc Play

After reading the disc, the unit will go into play mode.

- When playing a DVD disc, it will go to the DVD menu or the title menu
- When playing a VCD 2.0 disc, it will go to the PBC control display
- When playing a CD disc, it will play in the sequence specified chapter number

Play/pause: Press play/pause button to pause and press the same button again to resume normal play

Stop: During DVD play, the first press of the "stop" button is a memory stop. Press "play/pause" button to resume memory play. Press the "stop" button for the second time to stop it completely.

Previous chapter, next chapter:

Press the "previous" button and the previous chapter will be played

Press the "next" button and the next chapter will be played

Forward and backward:

Press the "forward" button continuously to search forward at a faster speed (either x2, x4, x8, x16 or x32) and then return to normal.

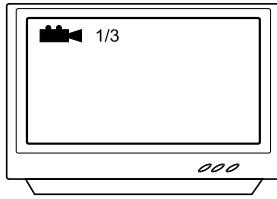
Press the "rewind" button continuously to search backward at a faster speed (either x2, x4, x8, x16 or x32) and then return to normal

Notice:

When the PBC function is enabled, the player will only search within a signal song.

Operating your DVD110 player

Angle

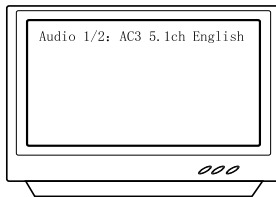


Angle

Press the "angle" button on the remote control to view different angles on various actions, music, sporting events, etc.

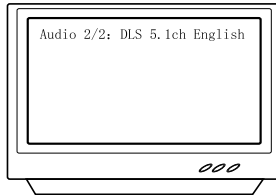
This operation works only with DVDs which are already formatted for this type of function.

Language



Language:

Press "language" button to display as shown



Title/Return:

When playing a DVD disc, press the "title" button to go directly to the title menu Press "return" button to return to main menu When playing SVCD, VCD2.0 discs, it returns to PBC MENU. Under the state of PBC OFF, the operation does not work. (This operation works only with DVD discs with this function)

N/P

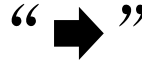
Set the format of the player according to the color format of your TV to match the settings. Press "N/P" button to switch within the cycle of NTSC, PAL, and Auto

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Operating your DVD110 player

Direction buttons:

When playing a disc, the direction buttons can be pressed for selecting the title, content or menus.



Numeric buttons:

When playing a disc, select a program or a chapter by pressing one of the numeric buttons. To select a title or chapter use the left and right buttons. For the desired section within the chapter or title, use the numeric buttons.



Menu



Menu play mode:

"PBC on", menu exchange play: only after returning to the main menu can the song be selected.

"PBC off", menu exchange play: when the song is on play, press numeric button to select song.

Video:

To switch between line by line scanning and alternate scanning, press the "Video" button.

Slow motion:

Press the "slow" button for slow motion forward and backward:

Slow forward $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$, $\frac{1}{16}$ speeds

Slow backward $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$, $\frac{1}{16}$ speeds

For SVCD, VCD, only slow forward function is available; the speed is the same of DVD

Other Functions

Displaying Photos

JPEG (nominated by Joint Photographic Experts Group), is a widely used photographic compact storing format. It compresses the size of the original photo by 1520 times and is supported by most photographic treatment software. The DVD110 can read PICTURE CD disc JPEG encoding formats.

Fig.A

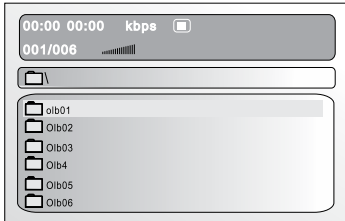
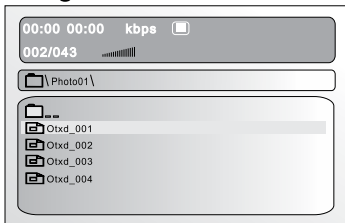


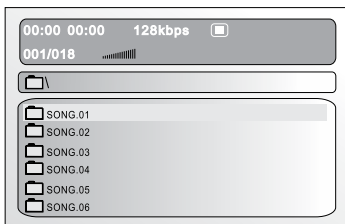
Fig.B



Normal photo display:

1. Load the disc into the disc tray. The DVD110 starts to search for disc info and the TV screen will display as figure A (the disc content on TV screen will be different based on different disc recording)
2. Press the “↑” or “↓” buttons to move the cursor and select a directory, and then enter into pre-browse mode automatically. The TV screen will display as figure B.
3. Press the “enter” button in the selected sub-directory, to view pictures from this directory.
4. Press the “■” button to enter into small picture browse (which displays up to 12 small pictures on a full screen). Press either the “next” or “previous” buttons to turn to the next or last picture. Press the movement buttons to choose, and then press “enter” button to resume normal picture viewing.
5. Press the “root content” button to return to main menu and press the “←” button in the sub-directory menu to return to the parental menu directory.

Playing Music



MP3 is the third layer audio frequency compact mode of the international standard MPEG. It compresses the audio signal by 12:1 ratio. One MP3 formatted disc can store up to 600 minutes or 170 songs. The sound quality is similar to that of a CD.

Basic Operation

MP3 disc is played by menu selection. Press the “repeat” button to select “single song play”; “single song repeat”; “content repeat”; “content play” or “mode and play”.

Disc play:

A. Normal mode

1. Follow the normal basic operation steps, load the disc and the player will start to search for a disc.
Info and enter into MP# menu mode as per the figure below.

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Troubleshooting

If you encounter the following problems, try to find the corresponding solution below. If these do not work, please contact the tech support department at Califone, or submit your question online at califone.com/techsupport.

No Sound

- Confirm that the disc play is connected firmly with other connecting systems such as the power amplifier or TV
- Confirm that the TV is running normally
- Check if the audio setting mode is correct

Disc does not play:

- Confirm that the disc has been loaded on the disc tray correctly (with label of the disc facing up)
- Check to make sure there is only one disc loaded on the tray
- Make sure that the disc is clean

Distorted picture:

- Check if the disc is scratched or dirty
- The player is controlled by computer
- Switch off the power and wait 10 seconds, restart the player
- Check if the picture output line-by-line/alternate line, aberration, compound video frequency, S-terminal, VGA is correct.

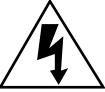

Remote control unit does not work:


- Point the remote control unit to the remote control sensor
- Check if the batteries need to be replaced
- Check if the emitter of the remote control has been dropped or damaged

No picture, sound only:


- Make sure the picture setting output matches that of the picture input of the TV.

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

 <p>The lightning flash with arrowhead within a triangle is intended to tell the user that parts inside the product are a risk of electric shock to persons.</p>	 <p>The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.</p>
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	<p>This product is not designed to function normally in strong electromagnetic fields. Consequently, the audio quality may degrade while the product is exposed to strong electromagnetic fields. Normal audio quality operation will be recovered when the strong electromagnetic field is no longer present.</p>
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<p>WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, SO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.</p>
--

	<p>Ce produit n'est pas conçu pour un fonctionnement dans de forts champs électromagnétiques. Par conséquent, la qualité sonore peut diminuer si ce produit est exposé à un fort champ électromagnétique. La qualité sonore reddeviendra normale après affaiblissement du champ électromagnétique.</p>
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IMPORTANT SAFETY INSTRUCTIONS

ATTENTION: ALL SAFETY AND OPERATING INSTRUCTIONS SHOULD BE READ BEFORE OPERATING APPLIANCE. ALL OPERATING AND USE INSTRUCTIONS SHOULD BE FOLLOWED WHEN OPERATING THE APPLIANCE. HEED AND ADHERE TO ALL WARNINGS ON THE APPLIANCE AND IN THE OPERATING INSTRUCTIONS. RETAIN ALL SAFETY AND OPERATING INSTRUCTIONS FOR FUTURE REFERENCE.

WATER & MOISTURE - DO NOT USE THE APPLIANCE NEAR WATER; IE. BATHTUB, WASHBOWL, KITCHEN SINK, LAUNDRY TUB, WET BASEMENT OR SWIMMING POOL.

VENTILATION - DO NOT SITUATE THE APPLIANCE SO THAT ITS LOCATION OR POSITION INTERFERES WITH ITS PROPER VENTILATION. FOR EXAMPLE, THE APPLIANCE SHOULD NOT BE SITUATED ON A BED, SOFA, RUG OR SIMILAR SURFACE THAT MAY BLOCK THE VENTILATION OPENINGS. THE APPLIANCE SHOULD NOT BE PLACED IN A BUILT-IN INSTALLATION, SUCH AS A BOOKCASE OR CABINET, THAT MAY IMPEDE THE FLOW OF AIR THROUGH THE VENTILATION OPENINGS.

HEAT - SITUATE THE APPLIANCE AWAY FROM HEAT SOURCES SUCH AS RADIATORS, HEAT REGISTERS, STOVES OR OTHER APPLIANCES (INCLUDING AMPLIFIERS) THAT PRODUCE HEAT.

POWER SOURCES - CONNECT THE APPLIANCE ONLY TO A POWER SUPPLY TYPE DESCRIBED IN THE OPERATING INSTRUCTIONS OR MARKED ON THE APPLIANCE.

GROUNDING OR POLARIZATION - PRECAUTIONS SHOULD BE TAKEN SO THAT THE GROUNDING OR POLARIZATION MEANS OF THE APPLIANCE ARE NOT DEFEATED.

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.

CLEANING - THE APPLIANCE SHOULD BE CLEANED ONLY AS RECOMMENDED BY THE MANUFACTURER.

NON USE PERIODS - UNPLUG THE APPLIANCE POWER CORD FROM THE OUTLET WHEN LEFT UNUSED FOR A LONG PERIOD OF TIME.

OBJECT & LIQUID ENTRY - CARE SHOULD BE TAKEN SO THAT OBJECTS DO NOT FALL AND LIQUIDS ARE NOT SPILLED INTO THE ENCLOSURE THROUGH OPENINGS.

DAMAGE REQUIRING SERVICE - THE APPLIANCE SHOULD BE SERVICED BY QUALIFIED SERVICE PERSONNEL WHEN: (A) THE POWER SUPPLY CORD OR THE PLUG HAS BEEN DAMAGED (B) OBJECTS HAVE FALLEN OR LIQUID HAS BEEN SPILLED INTO THE APPLIANCE (C) THE APPLIANCE HAS BEEN EXPOSED TO RAIN (D) THE APPLIANCE DOES NOT APPEAR TO BE OPERATING NORMALLY OR EXHIBITS A MARKED CHANGE IN PERFORMANCE (E) THE APPLIANCE HAS BEEN DROPPED OR THE ENCLOSURE DAMAGED.

SERVICING - THE USER SHOULD NOT ATTEMPT TO SERVICE THE APPLIANCE BEYOND THAT DESCRIBED IN THE OPERATING INSTRUCTIONS. ALL OTHER SERVICING REFER TO A QUALIFIED SERVICE PERSONNEL.



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