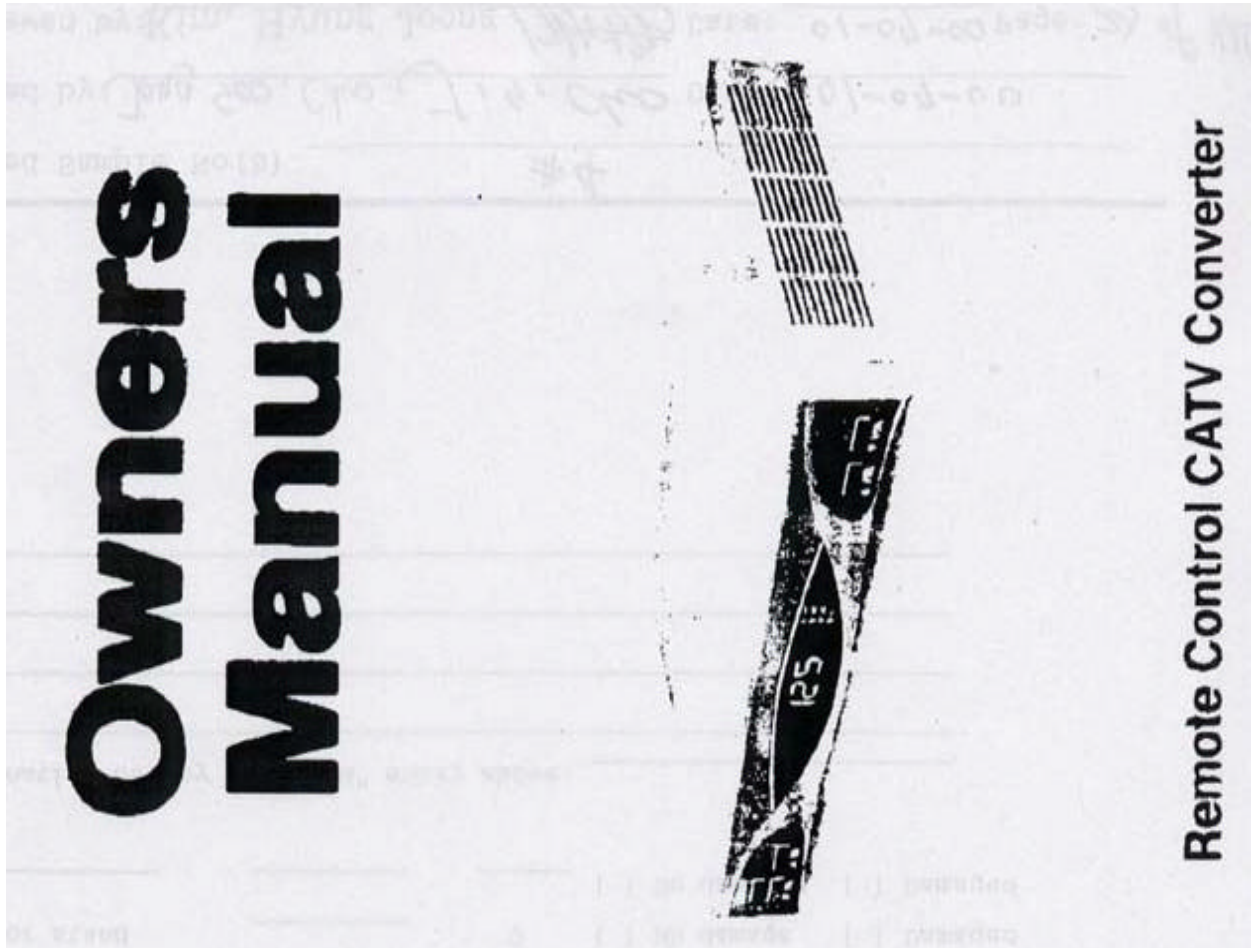


## **Appendix F. User Manual**

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## Appendix F. User Manual

Graphical symbols and symbols used in warning marking located on bottom of converter

|                                                                                     |                                                                         |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  | <b>CAUTION</b><br><b>RISK OF ELECTRICAL SHOCK</b><br><b>DO NOT OPEN</b> |  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

**CAUTION** : TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.  
**WARNING** : SHOCK HAZARD DO NOT OPEN  
**AVIS** : RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR

**WARNING** : SHOCK HAZARD - DO NOT OPEN, DO NOT EXPOSE THIS APPLIANCE RAIN OR MOISTURE  
**AVIS** : RISQUE DE CHOC ELECTRIQUE - NE PAS OUVRIR.

**CAUTION** : TO PREVENT ELECTRICAL SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.  
**ATTENTION** : POUR EVITER LES CHOC ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU' AU FOND.

 LIGHTNING FLASH WITH ARROWPOINT SYMBOL WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UN-INSULATED "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) ACCOMPANYING THE APPLIANCE.

This material in this publication is for information purpose only and subject to change without notice.

## Appendix F. User Manual

### Changing Parental Control Code

**Change**

① Press "Change" button, the LED display will be "Pin", and change to "pr" that will flash in few seconds.

P In → pr

② Enter your Parental Control previous secret code/factory Default is 1234 and then enter the new Parental Control secret code, will be display and and then return to normal channel display.

nCd → in

*Warning*

Make sure you write your new secret code down and secure it in a safe place. If you forget your secret code, please call us for master reset.

### Special Modes

The M1Set1, M2Set1, M3, M4 buttons are used to turn on special application software of third party application cards which can be installed inside your converter. A corresponding light M1Set1, M2Set1, M3, M4(Red light) will appear on the front panel of the converter to indicate that it has been activated.

M1  
Set1

M2  
Set2

M3

M4

### Last Channel Recall (Last)

**Last**

Pushing the "Last" button will take you back to the channel you were previously viewing.

*Example :* If you are watching a football game on channel 99 and you change to channel 18 to catch up on the drama, simply push "Last" to go back to the football game channel.

### Sleep Timer Operation

**Sleep**

Sleep: Time automatically turn off the converter and TV at a predetermined length of time. Maximum sleep time is 120 minutes. If you press the "Sleep" button within 2 seconds of the previous press, the time will decrease by 10 minutes. Time remaining on the sleep timer, which counts down in one minute increments, may be viewed by pressing the "Sleep" button once. The channel display will move back to the channel number after 2 seconds. If the timer is allowed to automatically reach "00", the converter and TV will display the pre-scheduled output and turn off.

**Sleep Timer Activation**

① Press the "Sleep" button once to display 120 minutes.  
: 120-->90-->60-->50-->40-->30-->20-->10-->5-->00

② Each successive press will decrease time by 10 minutes.

**.50**

*Time remaining before automatic turn off*

① Press the "Sleep" button once.

**.00**

*Turning Off Sleep Timer before shutdown*

① Press the "Sleep" button until "00" is display will deactivate the sleep timer.

*Note*

A period display to the left of the third digit of the LED indicated sleep timer is activated.

### Fine Tuning (Ft-, Cft, Ft+)

When you first install your converter, you may need to adjust the fine tuning. Make sure your converter is installed correctly and set on the proper STD/HFC setting. If the equipment is not hooked up correctly, fine tuning will not produce the desired picture.

**Fine Tuning Up**

① Press the "Ft+" button and hold it down until the desired picture quality is reached, then release it.

**Fine Tuning Down**

① Press the "Ft-" button and hold it down until the desired picture quality is reached, then release it.

**Center Fine Tuning a channel**

The center fine tuning circuitry is set up to bring the picture to the center of the cable channel tuning band. This feature is automatic when changing channels or can be activated manually by pressing the center fine tuning button on the remote unit.

① Point the remote unit toward the converter and press the "Cft" (Center Fine Tuning) button.

*Note*

In some case the Center Fine Tuning button may not bring the picture in correctly. This is usually caused by the misalignment of your cable company's signals. If this is the case, additional tuning is required. (call Ft-, Ft+, (Factory Default setting) press 7 keys as 7396468)

## Appendix F. User Manual

### Favorite Channel Operation

The converter incorporates a non-volatile memory for activation your favorite channels. If power is ever lost, your favorite channels will be saved for when power is regained.

#### Favorite Channel Activation

- ① Turn to the channel desired
- ② Press "Fav+" button
- ③ The right of the third digit of the LED indicates the channel has been saved to memory.

125. ←

#### Favorite Channel Deletion

- ① Turn the channel which is to be deleted from favorite channel memory. It should have a right of the third digit of the LED Dots will be on.
- ② Press "Fav+" to delete the channel for favorite channel.
- ③ The favorite channel indicator will go out.

125

#### Favorite Channel Recall(Recall)

After picking the channels in favorite channel memory, they can be recalled by pressing the "Recall" button. Channels not programmed in memory will be skipped.

- ① Press "Recall" button.
- ② Each time the "Recall" button is pressed, the converter will be go to the next higher channel in memory.
- ③ When the highest channel in memory is reached, scanning will be start over with the lowest channel in memory.

### Parental Control Channel Operation

The converter is used to restrict viewing to selected channels. The converter's intelligent memory is non-volatile, allowing your locked channels and secret code to remain intact even if power is lost.

#### Parental Control channel Selection

- ① Turn to the channel desired
- ② Press "PG-Lock" button add channel to parental control, and display will be

PG Lock 125

#### Parental Control channel Activation

- ① After selecting the channels to be controlled, and press "PG Lock" button, The LED display will be "PCL" and change to "Pr" that few second flashed.

PCL → Pr

- ② Enter your parental control secret code 4 digit (Factory Default is 1234). The LED display will show "1234" during secret code entry to maintain confidentiality. Once the proper secret code is entered, all selected channels are locked and do not available for viewing.
- ③ After entering the secret code, the LED will display a "PCL" and "On" for 1 second and then return to normal channel display.

PCL → On

#### Parental Control channel Deactivation

- ① Press "PG Lock" button. The LED display will be "PCL" and change to "Pr" that few second flashed.
- ② Enter your parental control secret code 4 digit (Factory Default is 1234).

PCL → OFF

④ All parental control channels are deactivated and available for viewing.

#### Parental Control channel Deletion

- ① Select the channel you wish to remove from memory
- ② The parental control channel indicator will go out.

PG Lock 125

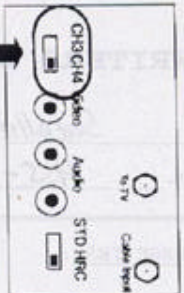
**Note**

Even if need to have a Parental Control Lock channel selected to deactivate Parental Control Lock. To indicate which channels are in Parental Control Lock memory, a period in the middle of the LED will appear. If the incorrect secret code is entered, Parental Control Lock will not be activated, deactivated and will displayed "Err" message and then display the current channel number.

## Appendix F. User Manual

### Output Channel Selection

**1. Mechanical Type**



① Place the switch in the left position, output channel is Channel 3.

② Place the switch in the right position, output channel is Channel 4.

**2. Programmable Type**

① Press  button once to turn converter off, then display will be show.

② Press the 7 keys, to change output TV Channel 3 or 4 Automatically.

|                             |
|-----------------------------|
| RF Channel 3: 6 8 8 2 4 3 3 |
| RF Channel 4: 6 8 8 2 4 3 4 |

③ After entering the 7 key-code, the LED display will "E03", "E04", and then return to normal channel number.

E03 or E04

Channel 3      Channel 4

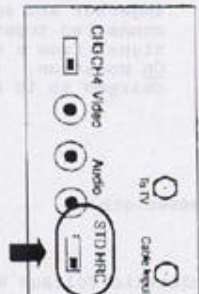
**Note**

The Converter output channel is set channel 3 up when shipped.

9

### STD/HRC Selection

**1. Mechanical Type**



① Place the switch in the left position, Frequency table is STD.

② Place the switch in the right position, Frequency table is HRC.

**2. Programmable Type**

① Press  button once to turn converter off, then display will be show.

② Press the 7 keys, to change output the Frequency Table STD/HRC Automatically.

|                    |
|--------------------|
| STD: 2 4 6 4 7 8 3 |
| HRC: 2 4 6 4 4 7 2 |

③ After entering the 7 key-code, the LED display will "Std", "Hrc", and then return to normal channel number.

Std or Hrc

STD      HRC

**Note**

The Converter output channel is set STD up when shipped.

10

## Appendix F. User Manual

### Channel Scan Up/Down

This feature is common to both the converter and the remote unit. They allow you to scan up/down through channels one at a time in numerical order. Holding either of these buttons down will cause the converter to rapidly scan up/down until it is released.



#### Channel Scan up

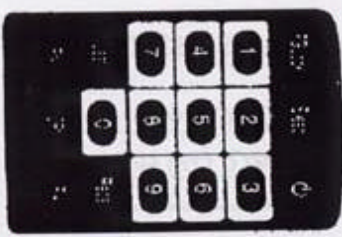
- ① Momentarily press "CH▲" button to scan to the next higher channel.
- ② When the highest channel is reached, scanning will start again on the lowest channel.

#### Channel Scan Down

- ① Momentarily press "CH▼" button to scan to the next lower channel.
- ② When the lowest channel is reached, scanning will start again on the highest channel.

### Direct Channel Selection

This feature allows you to select the channel of your desire by pressing the numbers 0 to 9 on your remote unit keypad.



#### Channel 2~9(example: channel 9)

- ① Enter "09" to change instantly.
- ② Enter "9" and the channel will change after 2 seconds.

#### Channel 10~12(example: channel 12)

- ① Enter "12" and the channel will change after 2 seconds.

#### Channel 13~125(example: channel 125)

- ① Enter "125" to change instantly.

### Volume Up/Down (Vol▲ / Vol▼)

The converter has built in volume control which works conjunction with your television's volume control. To reliably set volume level, set the volume on the TV to 70% range, then use the "Vol▲" button to turn up the converter volume level as loud as it will go. Then use your converter "Vol▼" button to decrease the volume to a comfortable listening level.



#### Volume up

- ① Press the "Vol▲" button and hold it in until the desired volume is reached.

#### Volume Down

- ① Press the "Vol▼" button and hold it in until the desired volume is reached.

#### Mute

This feature allows you to temporarily mute the audio.

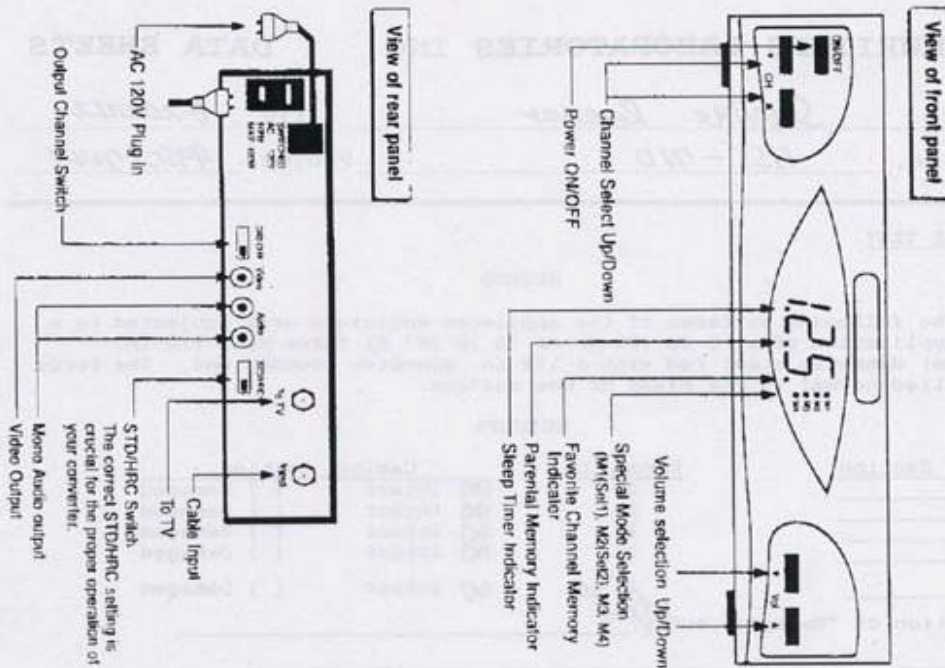
- ① Mute Audio  
: Press the "Mute" button.
- ② Resume Audio  
: Press the "Mute" button again.

#### Note

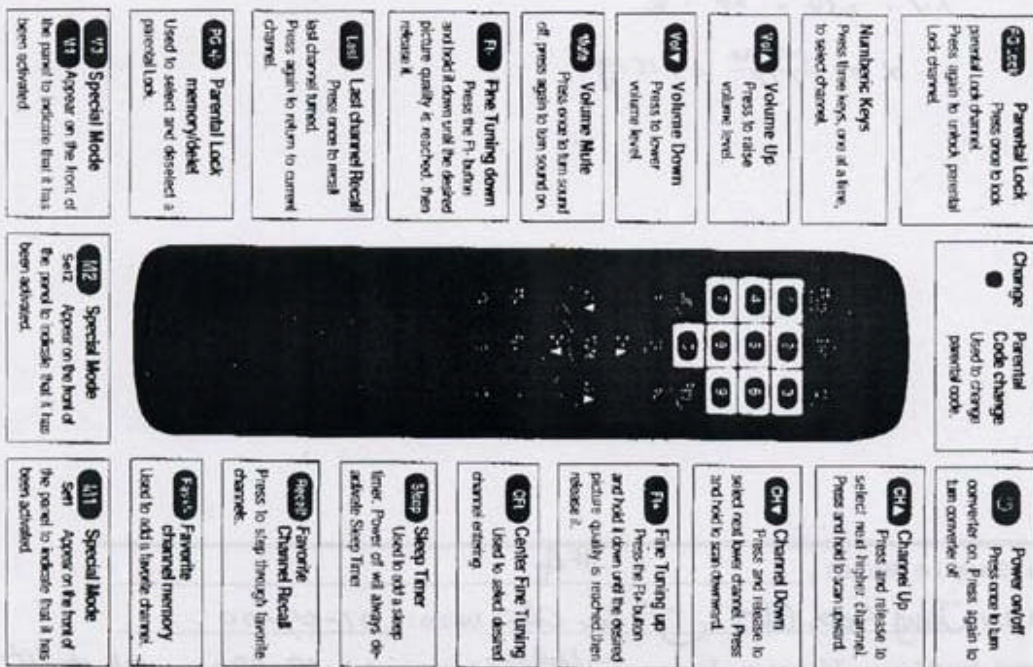
1. The volume level on the converter must be at least half way up in process stereo and all the way up(maximum) in process surround sound.
2. If you don't have audio, or the audio level is very low check your TV's audio level. It must be turned up appropriately 70% level. Also check the "mute" feature on the converter or TV in case it was accidentally activated. Then turn the volume level up on the converter.

## Appendix F. User Manual

## Controls and Indicators



## Remote Control Unit



## Appendix F. User Manual

**14. 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-in static charge. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure 1-1.

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

**16. Power Line** - 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.

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

**18. 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.

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

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

- a) When the power supply cord or plug is damaged.
- b) If liquid has been spilled, or objects have fallen into the product.
- c) If the product has been exposed to rain or water.
- d) 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.
- e) If the product has been dropped or damaged in any way, and
- f) When the product exhibits a distinct change in performance-this indicates a need for service.

**21. 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.

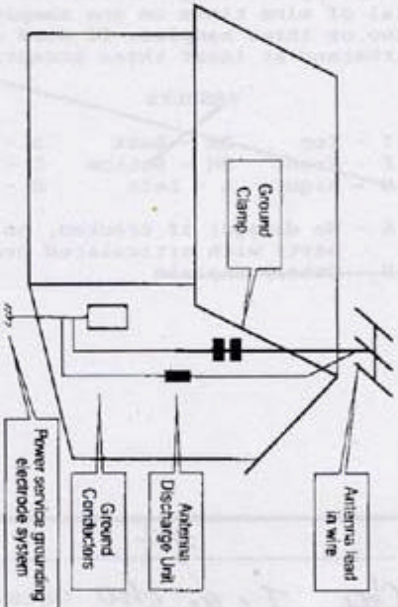
**22. Safety Check** - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

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

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

**25. Cable TV Installer** - Note to CATV system installer: This reminder is provided to call the CATV system installer's attention to Section 820-40 of the NEC, which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

**26. Portable Cart Warning** - A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.



**Figure 1-1**



**Figure 1-2**

## Appendix F. User Manual

### Declaration of Conformity

Production Name : CATV Converter

FCC Rule : TESTED TO COMPLY WITH FCC PART 15, CLASS B OPERATING

ENVIRONMENT : FOR HOME OR OFFICE USE

#### FCC COMPLIANCE STATEMENT :

This device complies with part 15 of the FCC rules. Operation is subject to the following conditions :

- 1) This device may not cause harmful interference, and 2) This device must accept any interference received, including interference that may cause undesired operation.

#### INFORMATION TO USER:

This equipment has tested and found to comply with the limits of a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

#### CAUTION :

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

### IMPORTANT SAFETY INSTRUCTIONS

1. Read instructions - All the safety and operating instructions should be read before the product is operated.
2. Retain instructions - The safety and operating instructions should be retained for future reference.
3. Heed warnings - 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 the video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
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 bathtub, 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 a 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. 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 opening should never be blocked by placing the product on a bed, sofa, rug or similar surface. The product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or manufacturer's instructions have been adhered to.
10. Power sources - This 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 power company.
- For product intended to operate from battery power or other sources, refer to the operating instructions.
11. Ground or Polarization - This product may be equipped with a polarized alternating-current line 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, by 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.
12. Power cord Protection - Power supply cord 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 plug, convenience receptacles, and the point where they exit from the product.
13. Protective Attachment Plug - The product is equipped with an attachment plug having overload protection. This is 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.