Skyworth

**19"/20" LCD Television / Monitor
Owner's Manual**

SLTV-1963A

SLTV-2063A
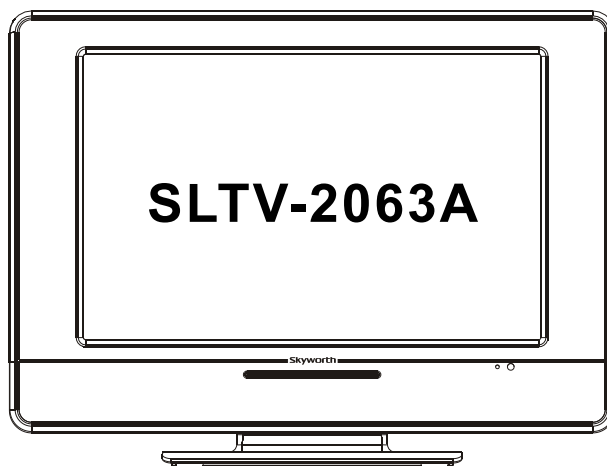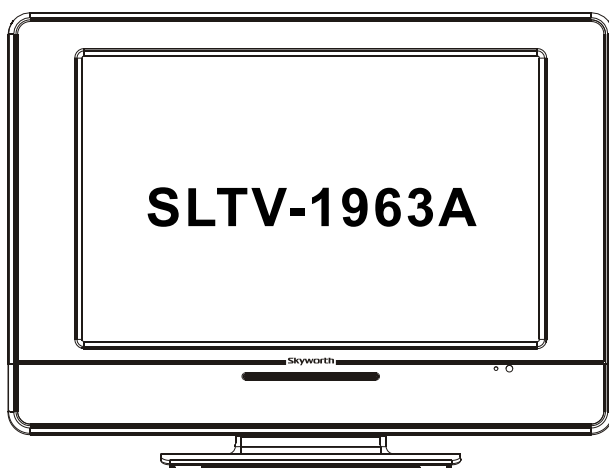
WARNING: To reduce the risk of electric shock do not expose this apparatus to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.

WARNING: According to the industrial standards, there are a certain number of defective pixels both bright and dark that are acceptable. Although we produce panel with more than 99.99 percent active cells, there still may be some cells that do not produce light or remain lit. For more information, please contact sales or the technical support.

WARNING: Do not leave any stationary images, patterns, PIP box, or letterbox images on the screen for an extended period of time. Also, do not display the same stationary patterns frequently. This may result in permanent ghost images on the display unit. This type of damage is not covered under warranty. Examples of this type of situation can be but not limited to the following: side bar images, stock market report bars, video game patterns, closed captioning, shopping channel logo, price display, and letterbox black bars. To prevent this type of damage, display constant moving images that fill the screen as often as possible.

CAUTION

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the use's authority to operate this equipment.

TV/CATV MODE SELECTION

When shipped from the factory, the TV/CATV menu option is set to the "TV" mode. If using CATV, set the menu option to "CATV" (Cable Television)

IMPORTANT SAFETY INSTRUCTIONS

1.READ INSTRUCTIONS - All the safety and operating instructions should be read before the unit is operated.

2.RETAIN INSTRUCTIONS - The safety and operating instructions should be retained for future reference.

3.HEED WARNINGS - All warnings on the unit and in the operating instructions should be adhered to.

4.FOLLOW INSTRUCTIONS - All operating and use instructions should be followed.

5.CLEANING - Unplug this unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning the exterior cabinet only.

6.ATTACHMENTS - The manufacturer of this unit does not make any recommendations for attachments, as they may cause hazards.

7.WATER AND MOISTURE - Do not use this unit near water. For example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

8.ACCESSORIES - Do not place this unit on an unstable cart, stand, tripod, bracket, or table.
The unit may fall, causing serious injury, and serious damage to the unit. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

PORTABLE CART WARNING

S3126A

9.VENTILATION - Slots and openings in the cabinet back or bottom are provided for ventilation, to ensure reliable operation of the unit and to protect it from overheating. These openings should never be blocked by placing the unit on a bed, sofa, rug, or other similar surface. This unit should never be placed near or over a radiator or heat source. This unit should not be placed in a built-in installation, such as a bookcase, or rack unless proper ventilation is provided or the manufacture's instructions have been adhered to.

10.POWER SOURCE - This unit should be operated only from the type of power source indicated on the rating plate. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For units intended to operate from battery power, or other sources, refer to the operating instructions.

11.POLARIZATION - This unit is 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 still fails 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 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.

13.LIGHTNING - To protect your unit 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 unit due to lightning and power line surges.

14. 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.

15.OVERLOADING - Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

16.OBJECT AND LIQUID ENTRY - Do not push objects through any openings in this unit as they may touch dangerous voltage points or short out parts that could result in fire or electric shock. Never spill or spray any type of liquid into the unit.

17.OUTDOOR ANTENNA GROUNDING - If an outside antenna or cable system is connected to the unit, be sure the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Section 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.

18.SERVICING - Do not attempt to service this unit yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

19.DAMAGE REQUIRING SERVICE - Unplug this unit 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 unit.
C. If the unit has been exposed to rain or water.
D. If the unit 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 unit to Its normal operation.
E. If the unit has been dropped or the cabinet has been damaged.
F. When the unit exhibits a distinct change in performance, this indicates a need for service.

20.REPLACEMENT PARTS- When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

21.SAFETY CHECK - Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.

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

23.NOTE TO CATV SYSTEM INSTALLER - This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that 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.

EXAMPLE OF ANTENNA GROUNDING AS PER
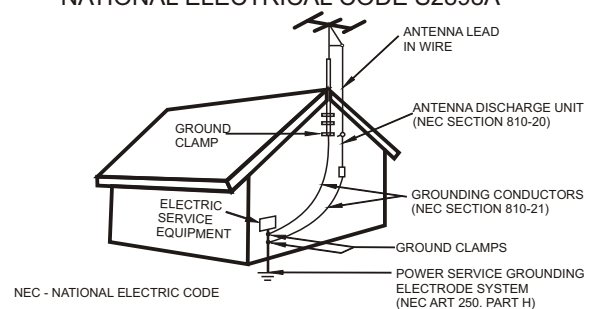NATIONAL ELECTRICAL CODE S2898A

ANTENNA LEAD IN WIRE

ANTENNA DISCHARGE UNIT
(NEC SECTION 810-20)

GROUND CLAMP

GROUNDING CONDUCTORS
(NEC SECTION 810-21)

ELECTRIC SERVICE EQUIPMENT

GROUND CLAMPS

NEC - NATIONAL ELECTRIC CODE

POWER SERVICE GROUNDING
ELECTRODE SYSTEM
(NEC ART 250. PART H)

Table of Contents

Congratulations

Your new TV Monitor/Receiver features a solid state chassis that is designed to give you many years of enjoyment. It was thoroughly tested and tuned at the factory for best performance.

SPECIFICATIONS

PANEL	19"	DISPLAY SIZE	19"Color (Diagonal)
		ACTUAL VIEWING AREA	408.24 x 255.15mm (H x V)
		NATIVE RESOLUTION	1440 x 900
		MAXIMUM COLORS	16.7 Million
		BRIGHTNESS	300 cd/m^2
		CONTRAST RATIO	700 : 1
		VIEWING ANGLE	H:160^0 / V:160^0
		ASPECT RATIO	16:10
	20"	DISPLAY SIZE	20"Color (Diagonal)
		ACTUAL VIEWING AREA	433.61 x 249.41 mm (H x V)
		NATIVE RESOLUTION	1366 x 768
		MAXIMUM COLORS	16.2 Million
		BRIGHTNESS	450 cd/m^2
		CONTRAST RATIO	600:1
		VIEWING ANGLE	H: 160^0 / V:140^0
		ASPECT RATIO	16:9
TV		TV SYSTEM	NTSC/ATSC
		ANTENNA INPUT	75 Ohms Coax F connector
		CHANNEL COVERAGE	VHF 2 ~ 13, UHF 14 ~ 69, CATV 1 ~ 125 ; ATSC
		AUTO TUNING	Yes, with Channel Skip (For ATV Only)
		TUNER	MTS (stereo) optional, SAP
		CLOSED CAPTION VIEWING	On / Off
		PARENTAL CONTROL	V – Chip
		SLEEP TIMER	Off only
OTHER FEATURES		MULTI-LANGUAGE OSD	yes
		WALL MOUNTING	VESA Compliant; 100 x 100 mm (Bracket not included)
		VIDEO	4 Preset Video Modes: Custom/Rich/Soft/Standard
		STAND	Swivel Stand
AUDIO		OUTPUT	2W x 2 (MAX)
INPUTS		VIDEO	Component x 1 (Y/Cb/Cr, Y/Pb/Pr) Progressive / Interlaced Scan
			S-Video x 1 (4-pin DIN)
			Composite Video x 1 (RCA)
			D-Sub 15 x 1 (RGB)
		AUDIO	L / R (RCA) x 2
		TV	RF 75 Ω F Connector
OUTPUT		HEADPHONE	1/8" Stereo Mini-Headphone Jack
		AUDIO	L / R X 1
POWER		POWER REQUIREMENT	DC 12V / 5 Amps (Use the AC/DC adaptor supplied)
		POWER CONSUMPTION	45W
		STANDBY	< 3W
DTV		Build-in	yes
ACCESSORIES INCLUDED			User's Manual, AC/DC Adapter, Remote Control, 2 "AAA" Batteries, DC Car Cord (optional),
DIMENSIONS (WHD)		UNIT	21-7/16 x 7-1/16 x 16-1/4 inches (with stand)
		SHIPPING CARTON	24-1/4 x 9-7/16 x 18-1/2 in.
WEIGHT		SHIPPING CARTON	20-1/4 Lbs.
		UNIT ONLY	14-5/16 Lbs.

Note:
Specification are subject to change without prior notice.

# *Installation*

Television Location

Follow these recommendations before deciding the location of your television.

- Avoid excessive sunlight or bright lights, including reflections.
- Keep away from excessive heat or moisture. Inadequate ventilation may cause internal component failure.
- Fluorescent lighting may reduce remote control transmitting range.
- Keep away from magnetic equipment, including motors, fans and external speakers.

WARNING: Use this television receiver only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the Cart / apparatus combination to avoid injury from tip-over. In order to avoid injury to children, never place your television receiver on a piece of furniture that is capable of being tilted by a child leaning on it, pulling on it, standing o it, or climbing on it. A falling television can cause serious injury or even death.

Remote Control Battery Installation

Requires two AAA batteries(supplied).
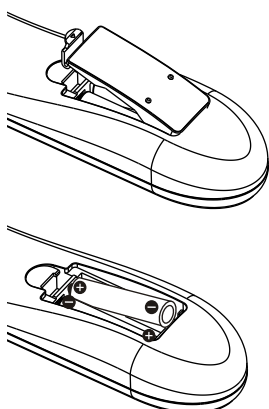
Procedure

1. Turn the remote control face down. Remove battery cover by pressing down on the marking on the cover and sliding it off in the direction indicated.
2. Install batteries matching(+) and(-) polarity signs.
3. Replace the battery cover by sliding in reverse until the lock snaps.

Note: Incorrect installation can cause battery leakage and corrosion that will damage the Remote control.

Precautions
- Replace batteries in pair.
- Do not mix battery types(zinc carbon with alkaline).
- Do not recharge, heat, short-circuit, disassemble, or burn batteries.

POWER SOURCE

TO USE AC POWER SOURCE
Use the AC /DV adaptor provided for operation on AC. Insert the AC cord plug into a standard 110-120V 60HZ polarized AC outlet.

AC outlet
Wider Hole and Blade
Polarized AC Cord Plug (One blade is wider than the other)
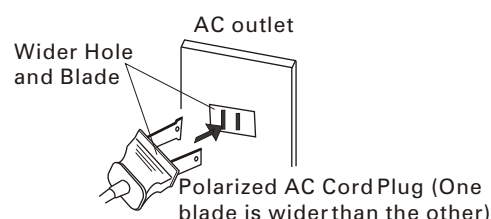
To use Car cord
Use the Car Cord provided for operation on 12V DC.

NOTE:
1.AC/ DC adaptor provided can be connected to the specified voltage (AC 110 volts 60HZ).
2.If the polarized AC cord does not fit into a non-polarized AC outlet, do not attempt to file or cut the blade. It is the user s responsibility to have an electrician replace the obsolete outlet.
3.If you cause a static discharge when touching the unit, and the unit fails to function, simply unplug the unit from the AC outlet, wait a few minutes, and plug it back in. The unit should return to normal operation.

Combination VHF/UHF Antenna

Combination VHF/UHF Antenna (Single 75 ohm cable or 300 ohm twin-lead wire)
Connect the 75 ohm cable from a combination VHF/UHF antenna to the antenna jack.

Combination VHF/UHF Antenna (Separate VHF and UHF 300 ohm twin-lead)
Connect the UHF twin-lead wire to a combiner (not supplied). Connect the VHF twin-lead to the 300-75 ohm matching transformer (not supplied). Attach the transformer to the combiner. Attach the combiner to the antenna jack.

Separate VHF/UHF Antenna
Connect the 75 ohm cable from the VHF antenna and the UHF antenna twin-lead to a combiner (not supplied). Attach the combiner to the antenna jack.
NOTE: If your VHF antenna has a twin-lead wire, use the 300-75 ohm matching transformer(not supplied), then connect the transformer to the combiner.

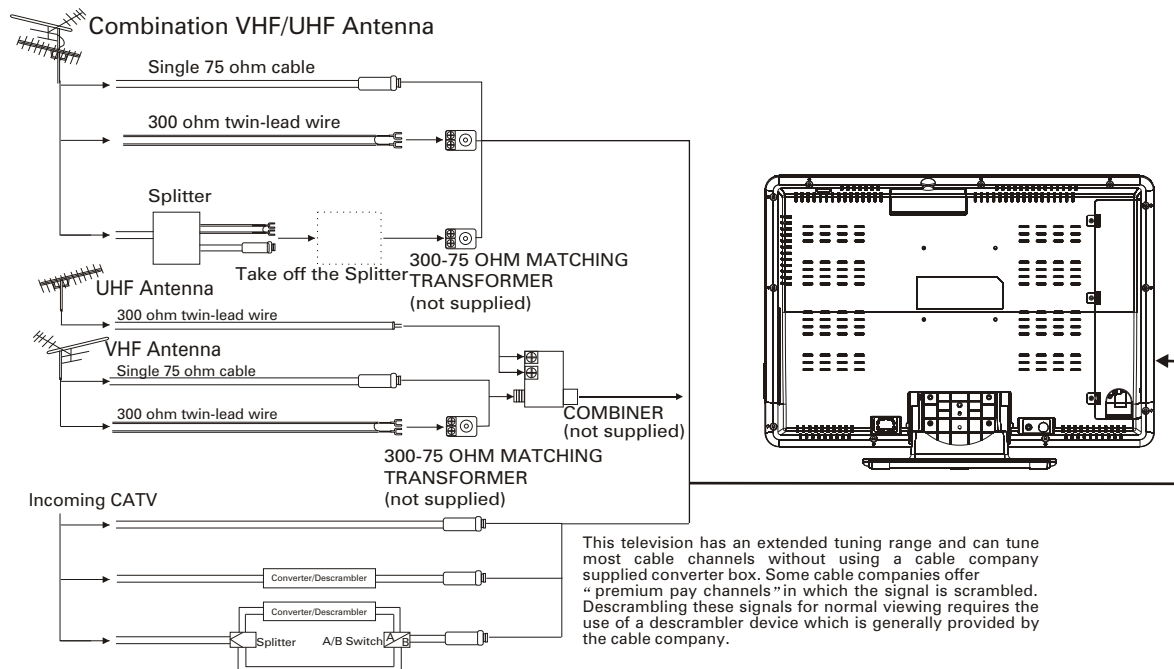**For Subscribers to Basic Cable TV Service**
For basic cable service not requiring a converter/descrambler box, connect the CATV 75 ohm coaxial cable directly to the antenna jack on the back of the television.

For Subscribers to Scrambled Cable TV service
If you subscribe to a cable service which requires the use of a converter/descrambler box, connect the incoming cable to the converter/descrambler box and connect the output of the box to the antenna jack on the back of the television. Follow the connections shown left. Set the television to the output of the converter/descrambler box (usually channel 3 or 4) and use the converter / descrambler box to select channels.
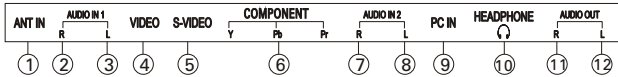
For Subscribers to Unscrambled Basic Cable with Scrambled Premium Channels
If you subscribe to a cable service in which basic cable channels are unscrambled and premium channels require the use of a converter/descrambler box, you may wish to use a two-set signal splitter (sometimes called a two-set coupler)and an A/B switch box from the cable installer or an electronics supply store. Follow the connections shown left. With the switch in the B position, you can directly tune any nonscrambled channels on your TV. With the switch in the A position, tune your TV to the output of the converter/descrambler box (usually channel 3 or 4) and use the box to tune scrambled channels.

Combination VHF/UHF Antenna

Single 75 ohm cable

300 ohm twin-lead wire

Splitter

Take off the Splitter

300-75 OHM MATCHING TRANSFORMER (not supplied)

UHF Antenna
300 ohm twin-lead wire

VHF Antenna
Single 75 ohm cable
300 ohm twin-lead wire

COMBINER (not supplied)

300-75 OHM MATCHING TRANSFORMER (not supplied)

Incoming CATV

Converter/Descrambler

Converter/Descrambler

Splitter   A/B Switch A B

This television has an extended tuning range and can tune most cable channels without using a cable company supplied converter box. Some cable companies offer " premium pay channels "in which the signal is scrambled. Descrambling these signals for normal viewing requires the use of a descrambler device which is generally provided by the cable company.

Optional Equipment Connections

Side Panel Connectors

1. Antenna or cable In
2. Video / S-Video Audio Right In
3. Video / S-Video Audio Left In
4. Video In
5. S-Video In
6. Component In
7. Component / PC Audio Right In
8. Component / PC Audio Left In
9. PC In
10. Headphone Jack
11. Audio Right Out
12. Audio Left Out

Rear Panel Connectors
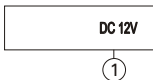
1. DC 12V In

Procedure

- Connect equipment as shown to Audio/Video input jacks.
- Select the Video mode by pressing TV/AV button.
- Operate optional equipment as instructed in equipment manual.
- Headphone jack: Plug an earphone or monaural headphones into this jack for private listening.
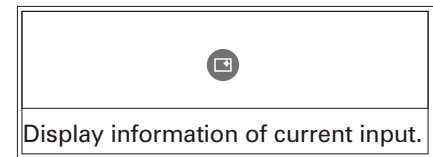
Front Control Panel

The front control panel can be used to access menus and switch video mode when the remote control is not available.
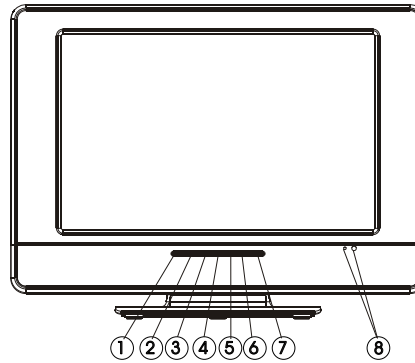
1. VOL.- Button
2. VOL.+ Button
3. CH.- Button
4. CH.+ Button
5. Menu Button
6. TV/AV Button
7. Power Button
8. Power Indicator / Remote Sensor

Note: The ON/OFF indicator LED(red) will light up when you insert the AC cord into the AC outlet.

Remote Control Operation

POWER
⏻
Turn on / off.

MUTE
🔇
Mute the sound.

DTV
DTV
Enter DTV Setting menu

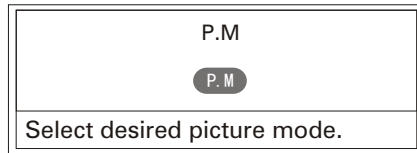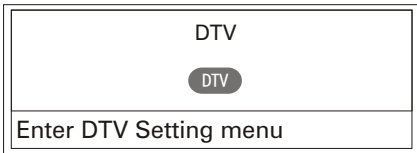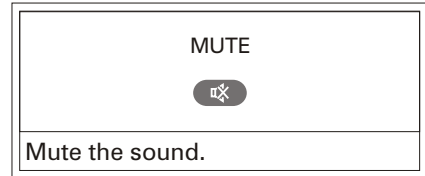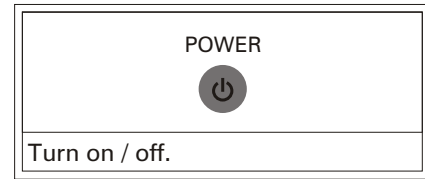| P.M |
| --- |
| P. M |
| Select desired picture mode. |

I/II
I/II
Select sound mode.

CC
CC
Enter CC setting menu.

TV/AV
TV/AV
Switch to desired input source.

1 2 3 4 5 6 7 8 9 0
Select channel or enter password.

-/--
-/--
Select channel digits.

Q.VIEW
Q. VIEW
Back to previous viewed channel.

SLEEP
⏲
Set the sleep timer.

⊡
Display information of current input.

MENU
Display menu function.

CH+ CH−
Channels Up / Down.

VOL−   VOL+
Volume Up / Down

TV MODE:

1.POWER Button(⏻)
Press this button to turn the TV on or off.

2. **Mute Button**(🔇)
Press once to mute the sound, press again to recover previously set sound level.
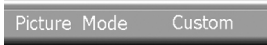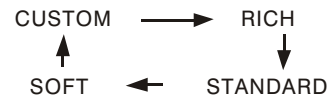This button will not work if CC display is switched on.
DTV:Press this button to enter DTV setting menu.

3. **Picture Mode Button**(**P.M**)

Picture Mode	Custom

Press this button to select desired picture mode. Four picture modes are available including Custom, Rich, Standard and Soft mode.

CUSTOM ⟶ RICH

SOFT ⟵ STANDARD

4. **Sound Mode Button**(**I/II**)

STEREO

When stereo program is received, press this button to switch sound system between mono and stereo. When sap program is received, press this button to switch sound system between mono and sap. When stereo and sap program is received, press this button to switch among mono, sap and stereo.

5. **Closed Captioning Button**(**CC**)

CC Status	On
CC Mode	Text4
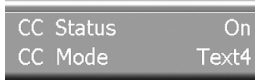
Press this button to enter CC setting menu for analog input which is shown above if any source except for DTV is watched. In this menu you can switch on and off the CC display and select desired CC mode including CC1, CC2, CC3, CC4, Text1, Text2, Text3 and Text4 mode. CC mode can be set only when CC display is switched on.

DTV CC Setup menu

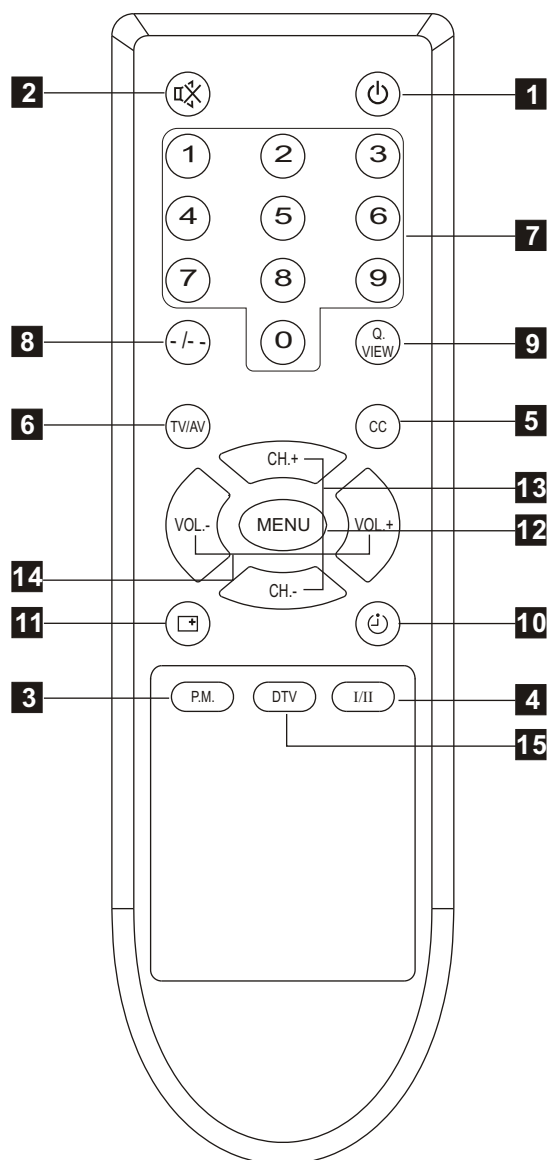| CLOSED CAPTION |
|---|
| CLOSED CAPTION SERVICE |
| CLOSED CAPTION PREFERENCE |

Press this button to enter CC setting menu for DTV (ATSC) if DTV is watched. In this menu DTV CC service and preference can be set.
Note:
Only the DTV CC service availabce from the DTV broadcasting can be selected.If there is no signal for DTV CC service item is not selectable.

To quit this menu please press CC button again or MENU button or it will disappear automatically after 10-second display.

6.TV/AV Button(TV/AV)

TV

Press this button to select the desired input source among TV, DTV,Video, S-Video, Componentand PC. You can press this button to switch among all available inputs in this menu continuously until desired input is displayed. Selected input will be switched to automatically after two seconds.

7.Number (0-9) Button

Press these buttons to enter digits.
These buttons for direct access to use a channel to enter channel number for both ATV and DTV or enter password for V-Chip.

8.Digit Button (-/--)

For ATV, press this button to select one-digit, two-digit and three-digit channel access.

For example, selecting channel 8, you can press 8 in "-" mode, press 08 in"--" mode, press 008 in"---" mode.

It can switch channel digit according to user inputs automatically. For example, current setting is three-digit option. If two numbers are entered and switch to this channel, two-digit option is set automatically.

If an invalid channel number is entered, it will keep displaying current channel.

For DTV, Pressing this button completes physical number input for channel number and a dot will be displayed.

9.Quick View Button (Q.VIEW)

Press this button to watch the previously viewed channel for both ATV and DTV.
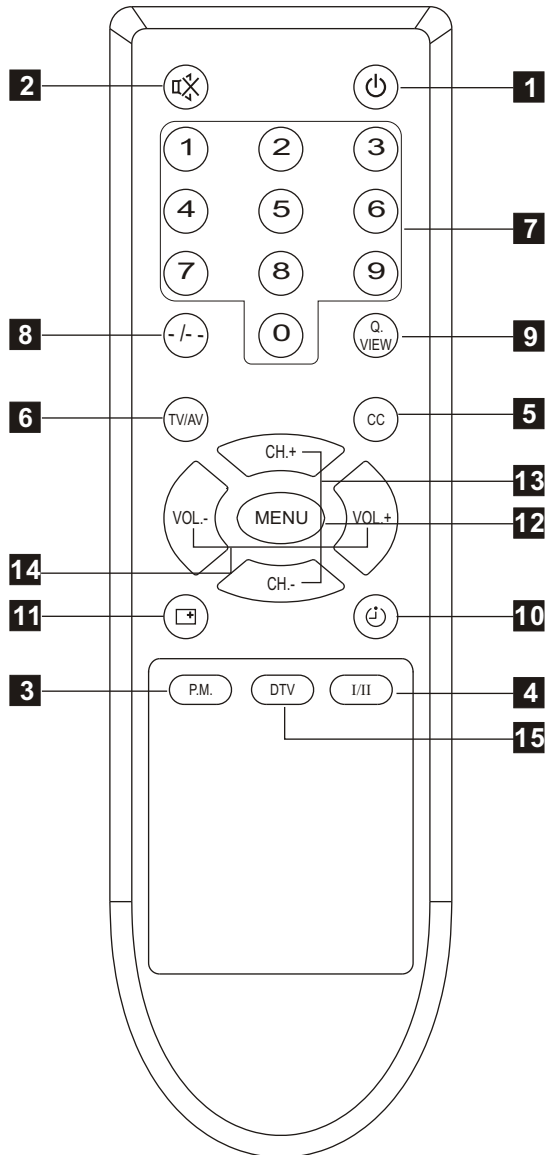
10.Sleep Timer Button ( )

sleep time   0

Press this button to set sleep time.
You can adjust sleep time (in minutes) by pressing the VOL+/- buttons in the order shown below:
0 ➞ 10 ➞ 20 ➞ 30----------------120

11.Recall Button(⊡)

Press this button to display information on current input.

12.Menu Button

Press this button to enter Picture menu or quit from current menu.

13.Channel Up(CH.+) / Down(CH.-)Button

Press these buttons to select channels in ascending or descending order for both ATV and DTV or select available items in a menu.

14.Volume Up(VOL.+) / Down(VOL.-) Button

Press these buttons to increase or decrease volume, and also to adjust the settings such as brightness in the Picture menu, Lock On/Off in the V-chip menu, etc. Volume Increase VOL.+ button is also used to confirm your selection or enter next menu.

15.DTV Setting Menu Button(DTV)

Press this button to enter DTV Setting menu.

Function Menu Operation
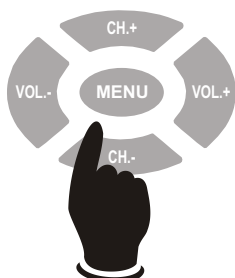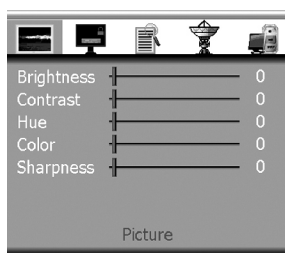
Press MENU button to display Picture menu. You can browse Picture, V-Chip, Setup, Tune and PC Setup menu by pressing VOL+/VOL- buttons. Press CH- button to enter the selected menu and adjust available settings by pressing VOL+/VOL- buttons or confirm you selection or enter next menu by pressing VOL+ button.
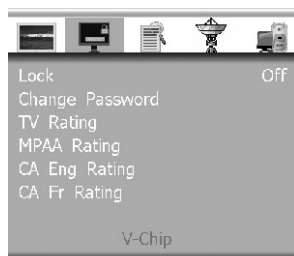
Picture menu
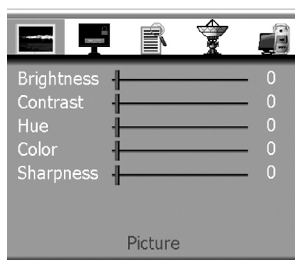
In Picture menu, you can press CH+/CH- buttons to select available items and adjust brightness, contrast, hue, color and sharpness by pressing VOL+/VOL- buttons.

Note:
- Hue is only available for NTSC system.
- Both Hue and Sharpness settings are not available for PC input.

V-Chip menu

You can set parameters on V-Chip (parental control) in this menu. All settings are effective for both ATV and DTV. The default V-Chip Password is set as **1111**.

Press CH- button to enter V-Chip menu if there is no password or enter Password Check menu

After input password which consists of only digitals and spaces, press VOL+ button to confirm. If the password is correct, return to V-Chip menu. Otherwise Check Password menu keep displayed and allow you to re-enter the password. Press MENU button to quit from this menu forcedly.

- **Lock**
  Press VOL+ /VOL- buttons to select **On** which switches on V-Chip function or **Off** which switches off V-Chip function. If switch off V-Chip function, video and audio will not be blocked.

- **Change Password**
  Press VOL+ button to enter Password Change menu to re-set V-Chip password.
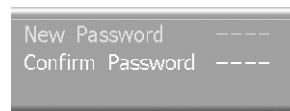
After enter new password which consists of only digitals and spaces, press VOL+ to confirm. Enter the new password again then press VOL+ button to confirm again. If the same password is entered twice, Successful will be displayed to indicate that you have changed the password successfully. If the passwords are different, Unmatched is displayed to indicate that new password is invalid and allow you to re-enter the new password. Press MENU button to return to V-Chip menu.

- **TV Rating**
  Press VOL+ button to enter TV Rating menu
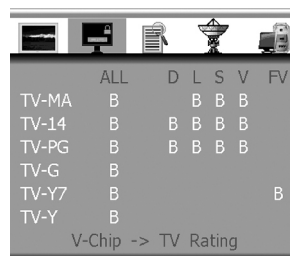
In this menu you can set TV rating. Press CH+/CH- and VOL+ /VOL- buttons to select desired rating, block or unblock the selected rating. B means block and V means view.

Function Menu Operation

- **MPAA Rating**
  Press VOL+ button to enter MPAA Rating menu

```
X              BLOCK
NC-17          BLOCK
R              BLOCK
PG-13          BLOCK
PG             BLOCK
G              BLOCK
NR             BLOCK
   V-Chip -> MPAA Rating
```

  In this menu you can set MPAA rating. Press
  CH+/CH- buttons to select desired rating, block
  or unblock the selected rating by pressing
  CH+/CH- buttons.

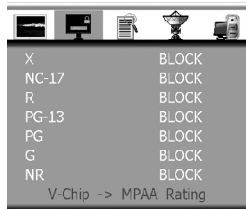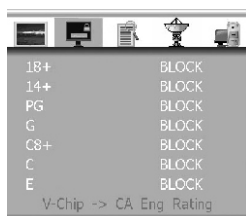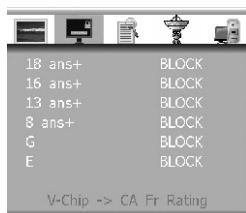- **Canada English Rating**
  Press VOL+ button to enter Canada English rating
  menu when CA Eng Rating item is selected

```
18+            BLOCK
14+            BLOCK
PG             BLOCK
G              BLOCK
C8+            BLOCK
C              BLOCK
E              BLOCK
   V-Chip -> CA Eng Rating
```

  In this menu you can set Canada English rating.
  Press CH+/CH- buttons to select desired rating,
  block or unblock the selected rating by pressing
 VOL+ /VOL- buttons.

- **Canada French Rating**
  Press VOL+ button to enter Canada French rating
  menu when CA Fr Rating item is selected

```
18 ans+        BLOCK
16 ans+        BLOCK
13 ans+        BLOCK
8 ans+         BLOCK
G              BLOCK
E              BLOCK
   V-Chip -> CA Fr Rating
```

  In this menu you can set Canada French rating.
  Press CH+/CH- buttons to select desired rating,
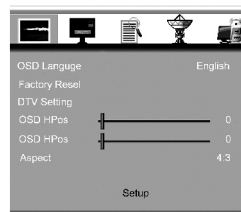 block or unblock the selected rating by pressing
  VOL+ /VOL- buttons.

- **V-Chip Block**
  If the program is set to be blocked, black screen
  will be displayed and volume is muted.
  Following dialog indicates V-Chip works and
  allows adults to enter password.

```
Image is blocked
Enter Password ----
```
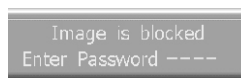
Input your password, press VOL+ to confirm.
If the password is correct, image and volume will
recover. Otherwise image and volume will still
be blocked and above dialog will not disappear.

Setup menu

```
OSD Languge         English
Factory Reset
DTV Setting
OSD HPos            0
OSD HPos            0
Aspect              4:3
          Setup
```

You can change some basic settings of the TV set
in this menu. Press CH- to enter this menu.
Press CH+/CH- buttons to select available items
in this menu and perform corresponding operation.

- **OSD Language**
  Multi-Language OSD are supported by this TV set.
  You can select desired OSD language by
  pressing VOL+/VOL- buttons.

- **Factory Reset**
  Select this item, press VOL+ to start Factory
  Reset function. It takes a few seconds to recover
  back almost all settings with default value except
  for the DTV settings.
  You can try this function whenever there is
  something wrong with the TV set and you can not
  fix it.

- **DTV Setting**
  Select this item and press VOL+ to enter DTV
  setting menu.

- **OSD HPos** and **OSD VPos**
  You can adjust the position of the main menu
  includes Picture menu, V-Chip menu etc. Adjust
  the position of main menu horizontally through
  OSD HPos item and adjust the position of main
  menu vertically through **OSD VPos** item.

- **Aspect**
  This function works for all available sources. Select
  display aspect ratio between 16:10 and 4:3 mode
  by pressing VOL+/VOL- buttons.

Function Menu Operation
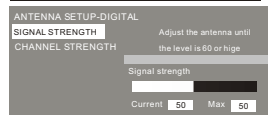
DTV Setting menu

DTV related functions can be reached in this menu.

- **Antenna level**
  Press VOL+ button to enter DTV Antenna level menu.
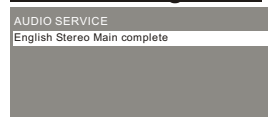
Antenna level menu

This menu assists you to adjust the position and direction of the antenna so that best signal can be received. Adjust the antenna until the received signal strength level is 60 or higher.

- **Audio Setting**
  Press VOL+ button to enter DTV Andio Setting menu.

Audio Setting menu

Digital audio parameters can be set in this menu.

- **Audio Service**
  Press VOL+ button to enter Audio Service menu in which you can select preferred audio service. Totally six digital audio services are possibly available to be selected. While actually selectable audio services depend on what kind of audio service is contained in current program.

- **Audio preference**
  Press VOL+ button to enter Audio Preference menu in which you can select preferred audio language. Three kinds of audio language are selectable including English, Spanish and French. While one kind of language can not be chosen as primary language and secondary language at the same time.

- **CC Setting**
  Press VOL+ button to enter DTV CC Setting menu.

- **Factory Reset**
  Press VOL+ button to reset DTV settings with default value.

  Note:
  It is strongly recommended that you should scan DTV programs right after reset DTV settings. Otherwise you can not watch all DTV programs.
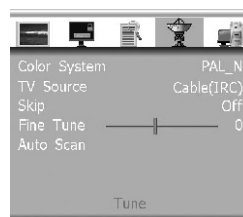
- **Aspect**
  Only DTV display aspect ratio can be selected between model and mode2 using this item. Please choose preferred one.

- **Auto Scan**
  Press VOL+ button to start DTV auto scan. It takes a few minutes. During the auto scan process please do not terminate it by turning off the TV set. Otherwise the program information may not be stored.

Tune menu

You can modify settings on TV input in this menu. All settings in this menu are effective for ATV only. Press CH+/CH- buttons to select available items in this menu and perform corresponding operation.

Note:
You can enter this menu only in TV mode.

- **Color System**
  Three color systems including NTSC, PAL_M and PAL_N are supported by this TV set. You can select AUTO to allow the TV set to detect and set color system automatically or force the TV set to display the chosen color system by pressing VOL+ /VOL- buttons when this item is highlighted. Once AUTO is selected, system will detect the color system and force to display according to the detection result and this item will show which color system is forced by system while it takes a little time to finish the automatic detection. Due to the complicated situation it is not guaranteed that color system can be detected correctly by the TV set. Please select proper color system if necessary.

Function Menu Operation

- **TV Source**
  Press VOL+ button to enter TV Source menu.
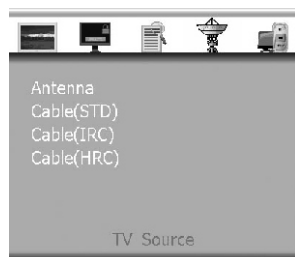
  In TV Source menu, you can switch TV source among Antenna, Cable(STD), Cable(IRC) and Cable(HRC) by pressing VOL+ button.
  Please make it sure that proper TV Source is selected before auto scan is started otherwise programs may not be found and stored.

- **Skip**
  Press VOL+/VOL- buttons to switch on or switch off the skip function. If skip function is on, you can not watch the corresponding program by pressing CH+/CH- buttons. While you can watch this program by entering the channel number directly.

- **Fine Tune**
  Try this function if TV image is not good.
  The adjustable frequency range is $\pm$ 625KHz.
  Note:
  AFT(Automatic frequency tune) function is also available. TV set will adjust the frequency of TV signal automatically to obtain the best effect unless you adjust frequency through Fine Tune function manually.

- **Auto Scan**
  Press VOL+ button to search and store all available programs automatically.

  Note:
  TV set will store programs of cable and antenna systems separately. Connect cable to your TV set, switch to cable system through **TV Source** item. Available programs will be stored through channel No.1 to channel No. 125. Then Connect antenna to your TV set, switch to antenna system through **TV Source** item. Available programs will be stored through channel No.2 to channel No. 69.

PC Setup menu

You can modify settings on PC input in this menu Press CH+/CH- buttons to select available items in this menu and perform corresponding operation.
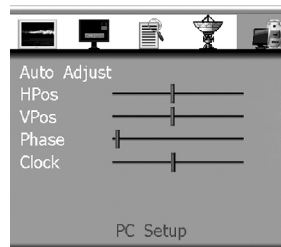
Note:
You can enter this menu only in PC input and there is valid signal for the PC input.

- **Auto Adjust**
  Press VOL+ button to start adjust PC settings automatically. It will take a few seconds to finish the adjustment including horizontal and vertical position, phase and clock of the PC image. If you are not satisfied with the effect, you can adjust these settings manually through following functions

- **HPos** and **VPos**
  Adjust the position of the PC image through these items by pressing VOL+/VOL- buttons. Adjust the position of PC image horizontally through **HPos** item and adjust the position of PC image vertically through **VPos** item.

- **Phase**
  Adjust the phase of the PC image by pressing VOL+/VOL- buttons. It will make the image sharp or blurry

- **Clock**
  Adjust the clock of the PC image by pressing VOL+/VOL- buttons. It will change the width of the active image of the PC input.

- **Note:**
  Supported PC input format includes:

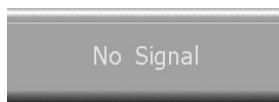| MODE	Resolution	Vertical Frequency
VGA	640X480	60Hz
SVGA	800X600	60Hz
XGA	1024X768	60Hz

Other formats may be supported by the TV set.

Function Menu Operation
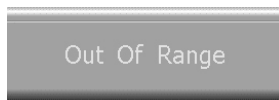
Special Message:

• No Signal

No Signal

This message indicates there is no signal for
PC input.
If there is no signal for PC input, black screen
will be displayed and above dialog mentions you
to plug PC signal. For all inputs other than PC
input, blue screen will be displayed if there is no
valid input.

• Out Of Range

Out Of Range

Because of the limitation of the LCD panel, some
picture format can not be displayed normally.
This message indicates that current input exceeds
the display ability of the panel.

• Invalid Mode

Invalid Mode
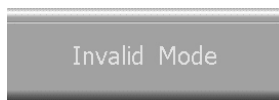
Due to the limitation of microchips used by the
TV set, some picture format can not be supported
by the TV set. This message indicates that the TV
set can not perform normal image management
for current input format.

Note:
For TV input, only NTSC system is supported.
For Component input, following formats are
supported. 480i@60Hz, 480p@60Hz, 576i@50Hz,
576p@50Hz, 720p@50Hz, 720p@60Hz, 1080i@50Hz,
1080i@60Hz

• Auto Configuration

Auto Configuration

This message indicates that PC automatic
configuration is in process.
After finish PC image adjustment, this
message will disappear.

Image Shrink

Image shrinking

This message indicates system is shrinking the
input signal so as it can be displayed although
part of the image will be lost. For some input
formats which can not be displayed normally due
to the limitation of the panel or microchips used
by the TV set, software system will automatically
calculate and delete part of the image and allow
primary part of the image to be displayed.
Note:
Sometimes for some supported input format,
system will also automatically calculate and decide
whether or not should shrink the input image.
During this process, Image Shrinking message is
also displayed. While if system finds that input
format should be supported by the TV set, this
message will disappear and the whole picture
will be displayed.

Service Tips

Please make these simple checks as indicated (●) on the chart for the respective symptoms and their possible remedies.

Symptoms	Try different channel, if OK, probably station trouble	Check aerial connections on back of set	Check aerial for broken wires	Re-orient aerial (if indoor type)	Probably local interference, such as an appliance	Adjust fine tuning control	Adjust brightness control	Adjust contrast control	Check if station is broadcasting colour	Adjust colour control	Check if system is correctly set	Check if on/off switch is "on"	Check batteries in remote control unit
No picture, no sound	●	●	●		●						●	●	
Poor sound, picture OK	●			●	●	●					●		
Poor picture, sound OK	●	●	●	●	●	●	●				●		
Weak picture	●	●	●	●		●					●		
Blurred picture	●		●	●		●					●		
Double image	●	●	●	●		●							
Lines in picture	●		●	●	●	●							
Distorted picture	●		●	●		●					●		
Weak reception on some channels	●	●	●	●	●	●					●		
Horizontal bars			●	●	●								
Picture rolls vertically	●		●	●	●						●		
Poor colour	●	●	●	●	●	●	●	●		●	●		
No colour	●	●	●	●		●			●	●	●		
Misoperation of Remote control													●
Remote control unit no operation													●
On Screen Display Control outside the screen											●		

LIMITED WARRANTY

SKYWORTH will repair this product, free of charge in the USA in the event of defect in materials or workmanship as follows:

DURATION:

PARTS: SKYWORTH will provide parts to replace defective parts without charge for one (1) year from the date of original retail purchase. Certain parts are excluded from this warranty.

LABOR: SKYWORTH will provide the labor without charge for a period of ninety (90) days from the date of original retail purchase.

LIMITS AND EXCLUSIONS: This warranty is extended only to the original retail purchase. A purchase receipt or other proof of original retail purchase will be required together with the product to obtain service under this warranty.

This product is eligible for CARRY- IN service only. SKYWORTH will not be liable for damages incurred in shipment of the unit. If there are no SKYWORTH authorized Independent Service Centers in your area please call---1-877-336-3698 or 626-336-3698 for assistance.

Note: This warranty is void if the product is:

(a)   Damaged through negligence, misuse, abuse, or accident.
(b)   Used in a commercial application or rentals.
(c)   Modified or repaired by anyone other than an Independent Service Center authorized by SKYWORTH to effect warranty repairs to the class of product or by the SKYWORTH Factory Service Center.
(d)   Damaged because it is improperly connected to the equipment of other manufacturers.

This warranty does not cover:
(a) Damage to equipment not properly connected to the product.
(b) Cost incurred in the shipping of the product to a SKYWORTH authorized Independent Service Center or SKYWORTH Factory Service Center.
(c) Damage or improper operating of unit caused by customer abuse, misuse, negligence, or failure to follow operating instructions provided with the product.
(d) Ordinary adjustments to the product which can be performed by customer as outlined in the owner's manual.
(e) Signal reception problems caused by external antenna or cable systems.

THIS WARRANTY IS NON TRANSFERABLE AND APPLIES ONLY TO THE ORIGINAL PURCHASER AND DOES NOT EXTEND TO SUBSEQUENT OWNERS OF THE PRODUCT. ANY APPLICABLE IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED IN DURATION TO A PERIOD OF THE EXPRESS WARRANTY AS PROVIDED HEREIN BEGINNING WITH THE DATE OF ORIGINAL PURCHASE AT RETAIL AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED SHALL APPLY TO THIS PRODUCT THEREAFTER. SKYWORTH MAKES NO WARRANTY AS TO THE FITNESS OF THE PRODUCT FOR ANY PARTICULAR PURPOSE AND USE.

UNDER NO CIRCUMSTANCES SHALL SKYWORTH BE LIABLE FOR ANY LOSS, DIRECT, INDIRECT, INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGE ARISING OUT OF OR IN CONNECTION WITH THE USE OF THIS PRODUCT.

THIS WARRANTY IS VALID ONLY IN THE UNITED STATES OF AMERICA. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, HOWEVER, YOU MAY HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE. SOME STATES DO NOT ALLOW LIMITATION ON IMPLIED WARRANTIES OR EXCLUSION OF CONSEQUENTIAL DAMAGE, THEREFORE THESE RESTRICTIONS MAY NOT APPLY TO YOU.

ATTENTION: SKYWORTH reserves the right to modify any design of this product without prior notice.

Skyworth Electronics Inc.
1312 John Reed Court,
City of Industry, CA91745
Phone: 626-336-3698
Fax: 626-336-3238
Email: service@skyworth.com.hk
Http: www.skyworth.com.hk