32" TFT LCD TV

INSTRUCTION MANUAL

MODEL: LTV-3201

Please read all the safety and operating instructions carefully before you begin.
Safety class
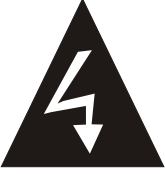This is an IEC safety class I product and must be grounded for safety.

CONTENTS

IMPORTANT SAFETY INSTRUCTION

1.Read these instructions.

2.Keep these instructions.

3.Heed all warnings.

4.Follow all instructions.

5.Do not use this apparatus near water.

6.Clean only with dry cloth.

7.Do not block any ventilation openings. Install in accordance with the manufacturers instructions.

8.Do not install near any heat sources such as radiators, heat registers,stoves, or other apparatus (including Amplifiers) that produce heat.

9.Do not defeat the safety purpose of the polarized or grounding type plug.A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If electrician for replacement of the obsolete outlet.

10.Protect the power cord from being walked on or pinched particularly at plugs convenience receptacles, and the point where they exit from the apparatus.

11.Only use attachments/accessories specified by the manufacturer.

12.Unplug this apparatus during lightning storms or when unused for long periods of time.

13.Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

14.Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus. important safety instruction.

15.Splashing The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, splashing and no objects filled with liquids such as vases, shall be placed on the apparatus.

16.A warning that an apparatus with class I construction shall be connected to a MAINS socket outlet with a protective earthing connection.

17.where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN!**

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

The symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.

The symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

POWER SUPPLY:

Connect AC100--240V,50/60Hz,220W output to this unit's power socket. The core of the socket is positive pole. Sheet metal outside is cathode.

PREFACE

Thank you very much for purchasing this TV. To enjoy your set to the full from the very beginning, read this manual carefully and keep it handy for ready reference.

INSTALLATION

- Locate the TV in the room where light does not strike the screen directly.
- Total darkness or a reflection on the picture screen can cause eyestrain. Soft and indirect lighting is recommended for comfortable viewing.
- Allow enough space between the TV and the wall to permit ventilation.
- Avoid excessively warm locations to prevent possible damage to the cabinet or premature component failure.
- This AC power can be connected to AC 100-240 volts. 50/60Hz.
- Do not cover the ventilation openings when using the TV.

CAUTION

Never tamper with any components inside the TV, or any other adjustment controls not mentioned in this manual. All LCD-TVs are high voltage instruments. When you clean up dust or water drops on the LCD PANEL or CABINET, the power cord should be pulled out from the receptacle, then wipe the receiver with dried soft cloth. During thunder and lighting, unplug the power cord and antenna cord to prevent damage to your TV. All repairs to this TV should only be performed by the TV service personnel.
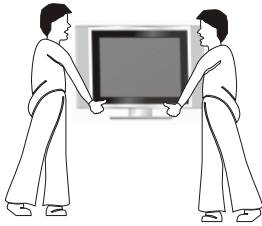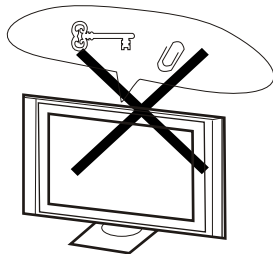
⚠ **Caution**

Carry the set requires two or more people.
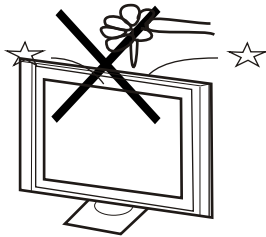
⚠ **Caution**

Do not drop or push objects into the television cabinet slots or openings. Never spill any kind of liquid on the television receiver.

⚠ **Caution**

Do not insert anything in the ventilation holes. If metal or something flammable enters, it may result in fire or electric shock.
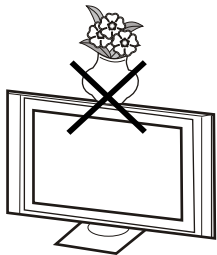
⚠ **Caution**

Do not place objects on this unit, it may damage the screen surface.

⚠ **Caution**

Do not squash power supply cord under the television receiver.

⚠ **Caution**

Do not throw anything at the set. The screen glass may explode by impact and cause serious injury.

⚠ **Caution**

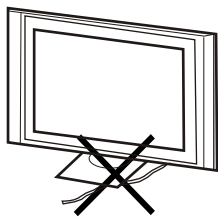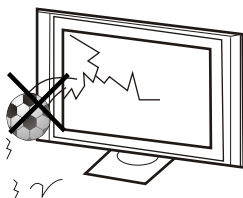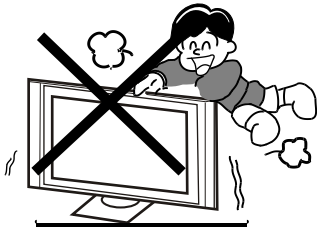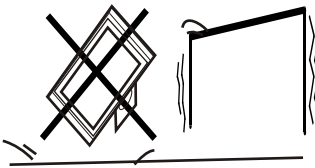Never stand on, lean on, or suddenly push the television or its stand. You should pay special attention to children. Serious injury may result if it should fall.

⚠ **Caution**

Do not place your television on an unstable cart , stand , shelf or table. Serious injury to an individual, and damage to the television, may result if it should fall.
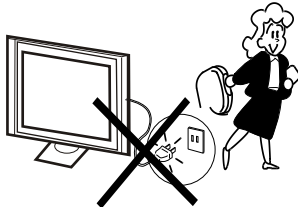
⚠ **Caution**

When the television receiver is not used for an extended period of time, it is advisable to disconnect the AC power cord from the AC outlet .
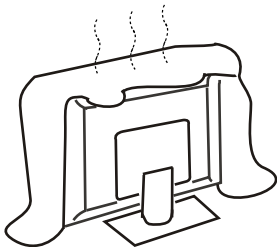
⚠ **Caution**

Do not block the ventilation holes in the back cover. Adequate ventilation is essential to prevent failure of electrical component.
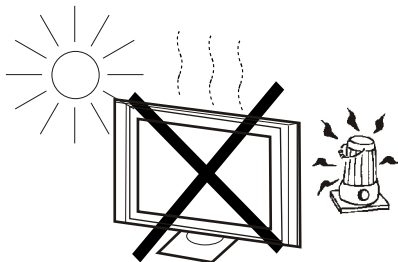
⚡ **Warning**

Avoid exposing the television receiver to direct sunlight and other source of the heat. Do not stand the television receiver directly on other produces which give off heat .E.g.video cassette players. Audio amplifiers. Do not place naked flame sources, such as lighted candle on the television. Do not expose the LCD screen surface to the sun, it may damage the screen surface.
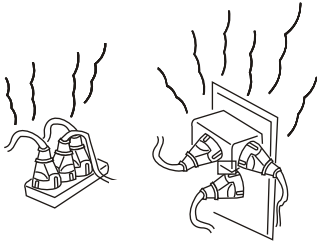
⚡ Warning

Take care not to connect many appliances to the same mains socket as this could result in fire or elecric shock. Do not place objects on this unit. it may damage the screen surface.
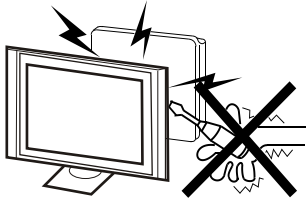
⚡ Warning

High voltages are used in the operation of this television receiver. Do not remove the cabinet back from your set.Refer servicing to qualified service personnel.
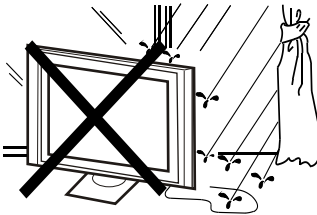
⚡ Warning

To prevent fire or electrical shock hazard, Do not expose the television receiver to rain or moisture.
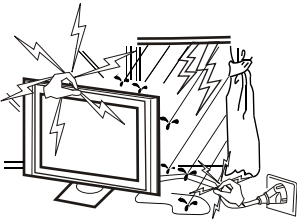
⚡ Warning

For you own safety, Do not touch any part of the set, main lead or aerial lead during lighting storms.

Minimum distances
10cm 10cm 5cm
20cm
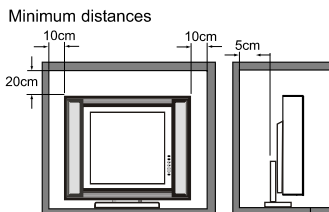
⚠ Caution

If the television is to be built into a Compartment or similarly enclosed, the minimum distances must be maintained.
Heat build-up can reduce the service life of your television, and can also be dangerous.

SPECIFICATONS

Model	LTV-3201
LCD panel	32 INCHES TFT LCD
Television system	NTSCM
AV system	PAL-4.43MHz-50Hz NTSC-3.58MHz-60Hz SECAM-4.29MHz-50Hz NTSC-4.43MHz-60Hz PAL-3.58MHz-50Hz PAL-3.58MHz-60Hz PAL-4.43MHz-60Hz
Channel coverage	VHF-L: 46.25~163.25MHz VHF-H: 158.25~466.25MHz UHF: 461.25~865.25MHz
Analog RGB mode	640X480/ 60Hz, 800X600/ 60Hz, 1024X768/ 60Hz,1280X768/60Hz
Y Pb/Cb Pr/Cr mode	480P,576P,720P,1080i
Resolution	1366X768
Display Color	16.7 million colors
Comb Filter	Adaptive 2/4 line
Contrast	800:1
Brightness	500cd/m^2
Viewing angle	170° (H)/170° (V)
OSD language	English/French/Italian/Spanish/German/Portuguese
Power source	AC 100-240V , 50/60Hz
Power consumption	220W
Audio power	6W+6W
Lamp life	50,000 hours
Video/Audio terminals	RF input: Cable/ antenna RFx1
	VIDEO input: VIDEOx2
	S-VIDEOx1
	Y Pb/Cb Pr/Cr x1
	GRAPHIC input: Analog RGB 15pin x1
	DVIx1
	AUDIO input: AV audio x2
	HDTV audiox1
	AUDIO output: Tv1 audiox1
Supplied accessories	Remote control, AC cord, Instruction Manual,Batteries.

Design and specifications are subject to change without notice.

Accessories:
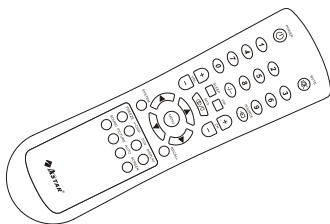
One Remote Control   Two size AAA batteries   One AC cord

Hang the TV on the wall

Step1: Disassemble the pedestal.
Step2: Install part A on the wall.
Step3: Hang the TV on the wall.

Note:
1.Installation of the display unit on the wall should be carried out by qualified servicemen. Improper installation may render the unit unsafe in the event of an earthquake.etc.
2.Hang the TV on the wall requires two or more people.
3.The unit must be installed concrete wall.

Refer to drawings below:
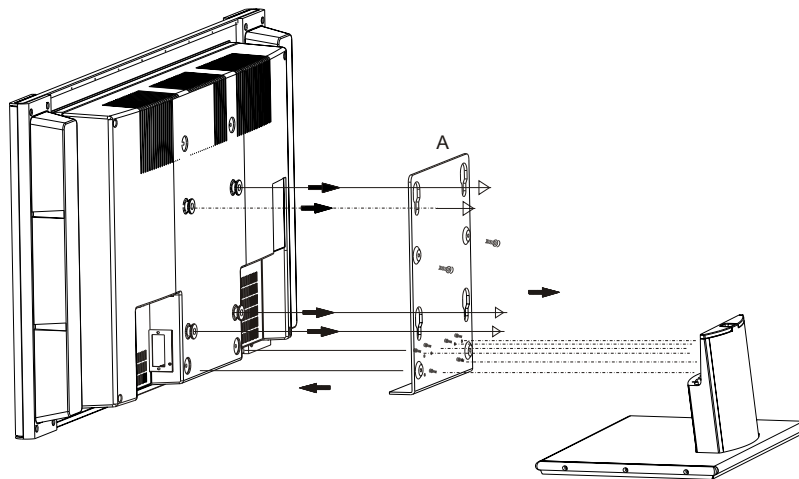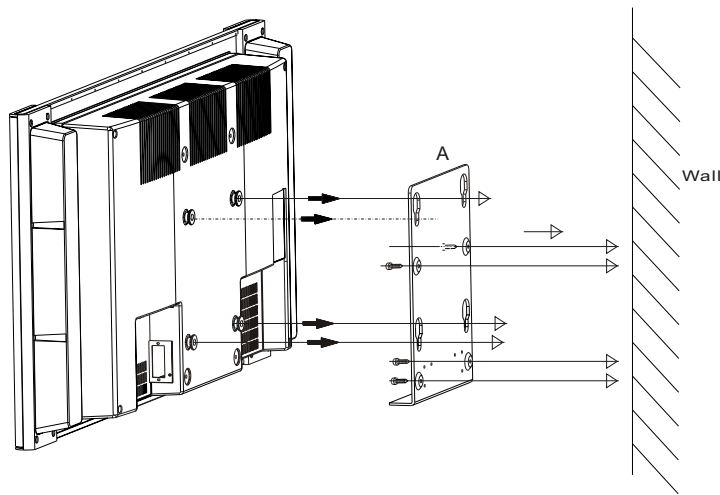
FRONT
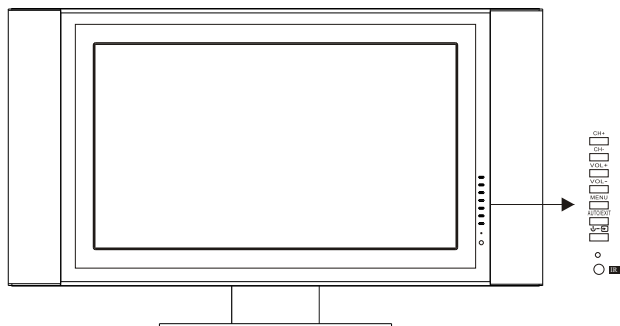
KEYS:

1.CH+: channel up select, it is equivalent ▲ .

2.CH-: channel down select, it is equivalent ▼ .

3.VOL+: volume up adjust, it is equivalent ▶ .

4.VOL-: volume down adjust, it is equivalent ◀ .

5.MENU: to enter into menu operation.

6.AUTO/EXIT: automatically adjust picture/exit OSD.

7.POWER/ SIGNAL SELECT: press the key at least 5 seconds to turn off the set (standby). Press the button once is 3 seconds to select a signal source.

8.(Power on/standby)indicator:Lights up in green when the set is working.when the standby mode, the indicator lights up flash.

BACK

Power Input

RS232   AC In

Software upgrade

Power switch

Stop output after standby for 3 minutes
VIDEO output is fixed TV signal
AUDIO output is fixed MONO signal
VIDEO output and Audio output

AUDIO   VIDEO
L   R   OUT
75Ω   PC   L/MONO   R   IN
ANT.   AUDIO
IN

VIDEO input and Audio input

HDTV Audio Input   YC Input

S-VIDEO Input   Av2 Input   Analog RGB Input   DVI Input

R   Cb   Cr   Y
L/MONO   R   AV2   HDTV
AUDIO   Pb   Pr   Y
L
S-VIDEO IN   VGA IN   DVI IN

MODEL: LTV-3201
POWER SOURCE: AC 100~240V ∼ , 50/60Hz
POWER CONSUMPTION: 220W

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO PREVENT ELECTRIC SHOCK, DO
NOT REMOVE COVER. NO USER-SERVICEABLE
PARTS INSIDE. REFER SERVICING TO QUALIFIED
SERVICE PERSONNEL.
ATTENEION: AFIN DEVITER TOUT RISQUE D'ELEC-
TROCUTION, NE PASENEVER L'ARRIERE. AUCUNE
PIECE REPARABLE PAR L'USAGER ALINTERIEUR.
POUR REPARATIONS, APPELER UNTECHNICIEN
QUALIFIE.

Serial No.:

Production Date: MADE IN CHINA

Audio/Video Apparatus
5 8 W J
E   2 2 1 3 3 8

PC

STEPS:

1. Connect Video Cable
a. Make sure both the TV and computer are powered-OFF.
b. Connect the video cable to the computer.
2. Connect the Audio cable.
3. Connect power cord
4. Power-ON Computer
   Power-ON the TV first, then Power-ON the computer.
   This sequence is very important.
5. If the TV still does not function properly, please refer to the troubleshooting section to diagnose the problem.

 * *Please don't open the Cover*

Connector lug

S-VIDEO Input
Av2 Input
HDTV Audio Input
YC Input
Analog RGB Input
DVI Input

L/MONO   R   AV2

R
HDTV   Cb   Cr   Y
AUDIO Pb   Pr   Y
L

S-VIDEO IN

VGA IN

DVI IN
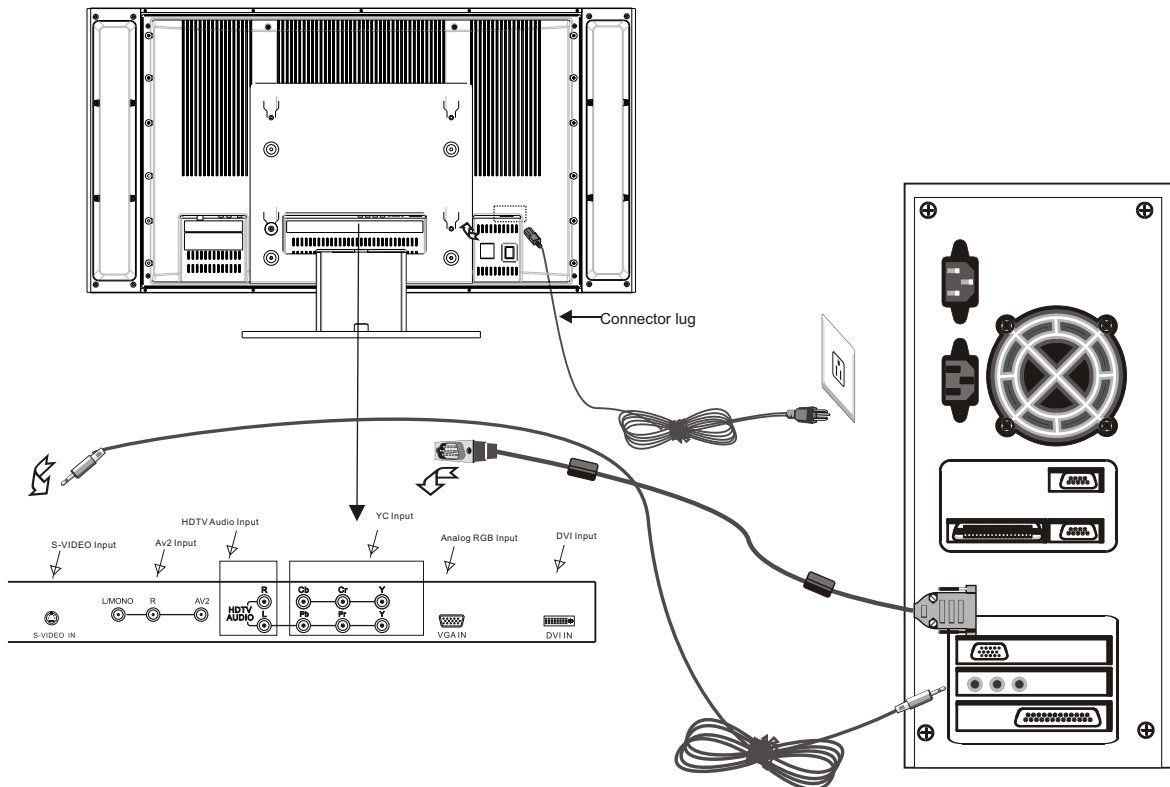
CAUTION:

Hold on to the connector lug when you unplug any one of the connectors, Do not pull direct pull on the cord as it is prone to damage.

ANTENNA

Plug

COAXIAL CABLE(75Ω)

An outdoor antenna

ANT 75Ω

TWIN-LEAD FEED ER(300Ω)

An indoor antenna
CATV net

Adaptor (NOT SUPPLIED)

Loosen the screws   Insert the feeder in
                        wires   Tighten the screws
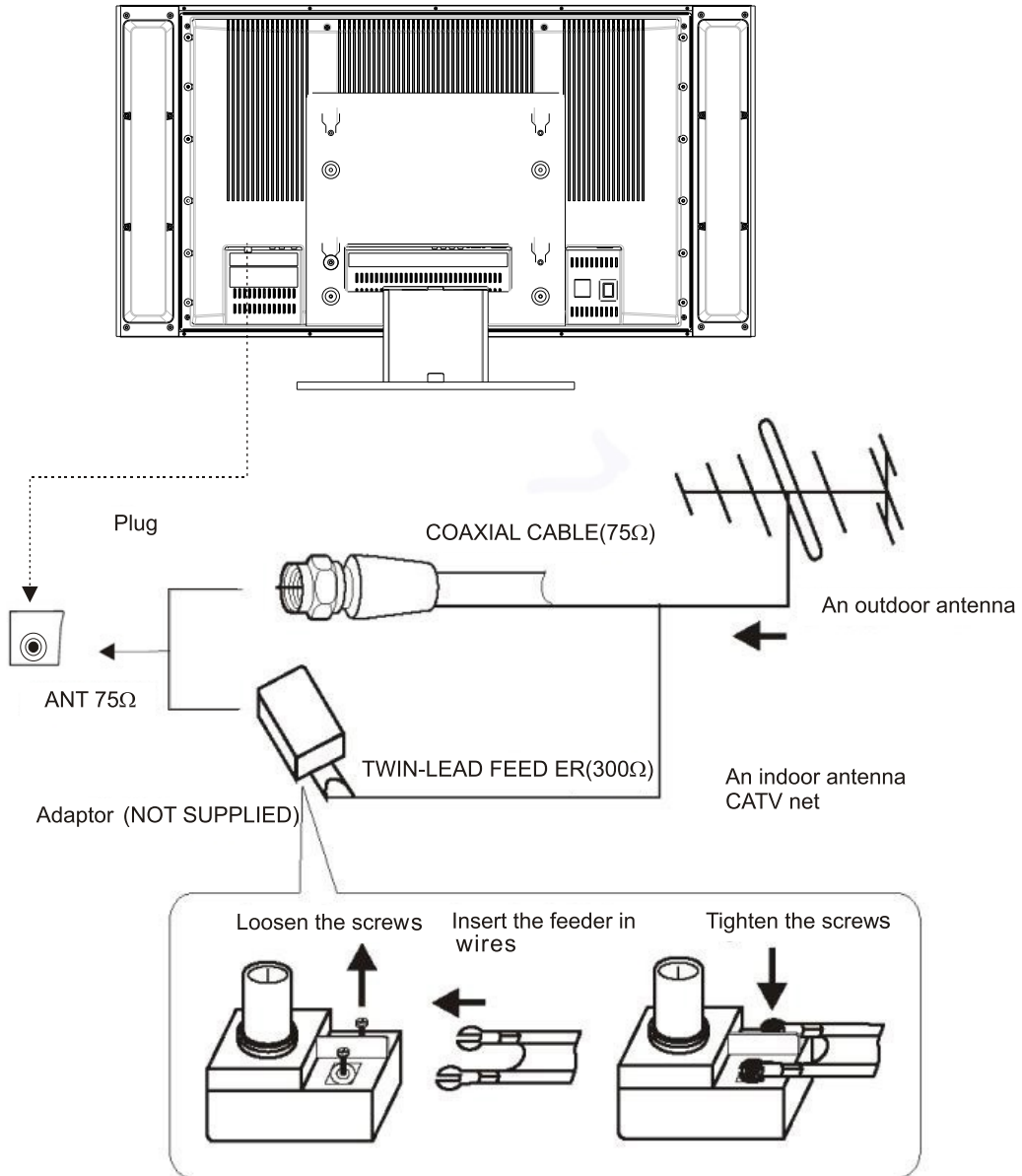
Note:
  Aerial connections: Standard-phono socket female 75Ω or IEC(female) .
  input impendance:75Ω unbalanced.

AV EQUIPMENT

This TV provides 2 group of AV input terminal including one S-Video and one group of YCbCr terminal for connection to VCR,DVD or other video equipment. To enjoy the high quality picture.
Please refer to the owner's manual of the equipment to be connected as well.

You can use the AV input terminals on TV set rear as follows.
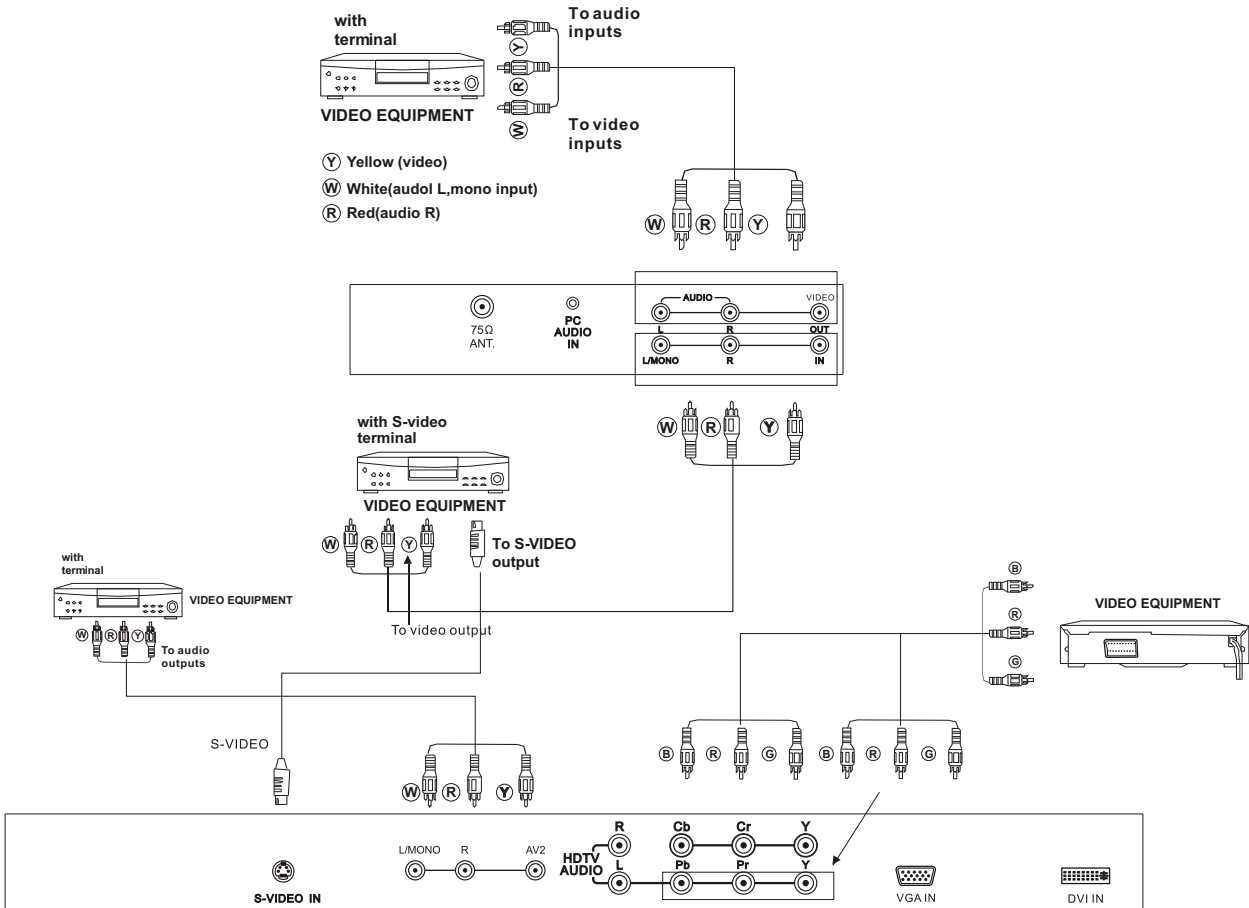
You can also the S-VIDEO terminal if your video equipment has S-VIDEO.
It can be connected to the following appliances: VCR, multi disc player, DVD, camcorder, video game or stereo system, etc.....
If your DVD player can output interlace and progressive mode signals, select the interlace output when connecting to component video input on your TV. Your TV can receive either 525i/60Hz or 625i/50Hz interlace signals.

Please keep AC cord unplugged when connecting TV system.

Insert Batteries Into the Remote Control

1. Remove the battery cover.
2. Insert the 2 AAA 1.5V batteries,ensurecorrect polarity (+ or -)
3. Replace the battery cover.
   Replace with new batteries when the TV set begins to show the following symptoms:
   Operation is unsteady, erratic or when TV set shows no response to the remote control.
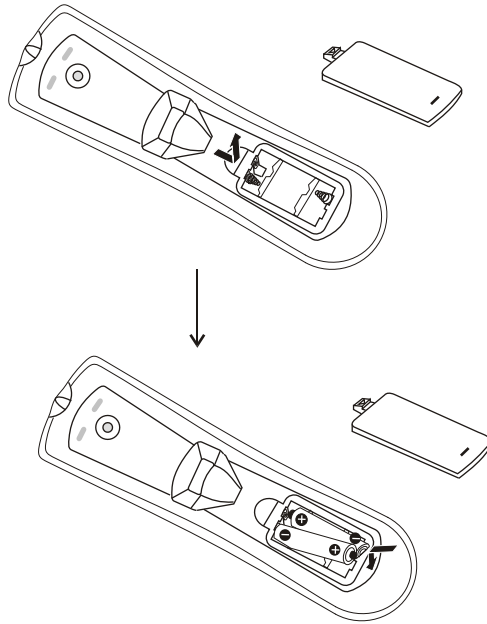
Remark:

1. Alkaline battery recommended
2. Remove batteries when they are exhausted or if the remote control has not been used for a long time.
3. Do not mix new and old batteries of different types/brands.
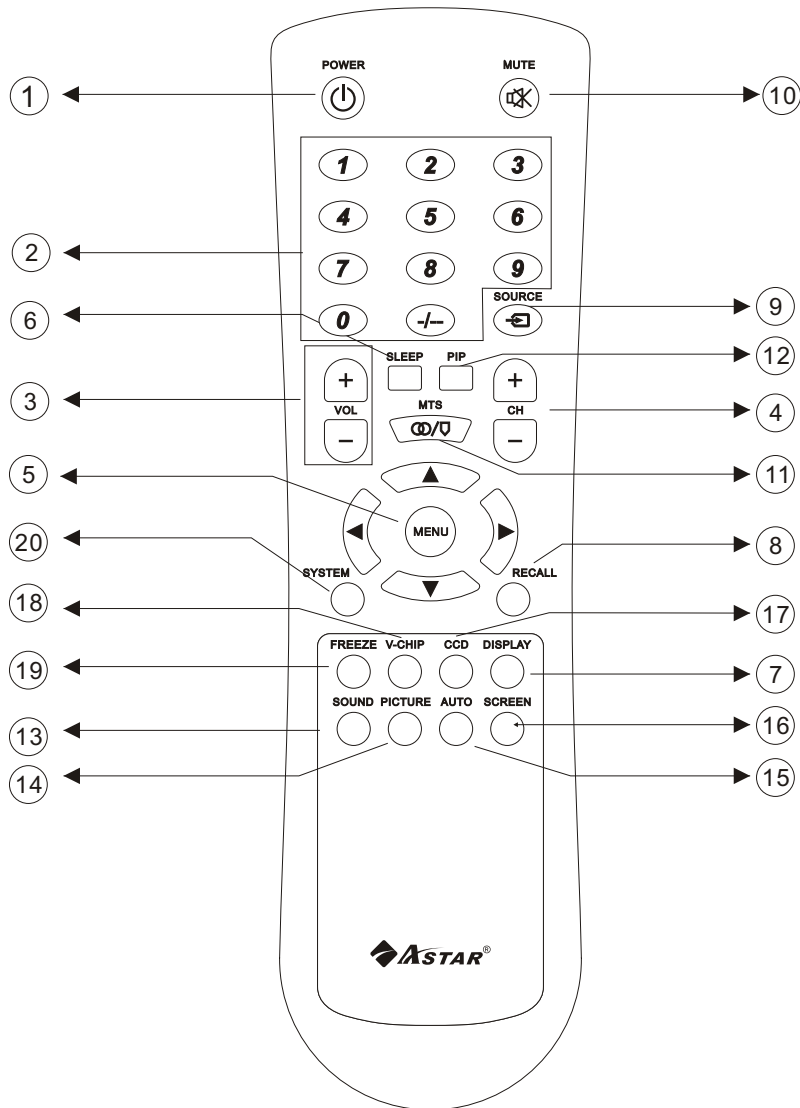
1.POWER (STAND BY) BUTTON (⏻)

Press this button to turn on or turn off (Standby mode).Press Power Button, picture and sound will appear on within a few seconds.

2.PROGRAM SELECTION BUTTON (0-9 BUTTONS)
 Push the number for your desired program and the program indicator will be displayed on the screen.
 1.To input a one-digit number(0-9):press ⊕ button to display"-",then press 0-9 digit button.
 2.To input a two-digit number(10-99):press ⊕ button to display "--",then press two digit button in order to input the channel number.For example, you need channel 25, please input "2" button followed "5" button.
 3.To input a three-digit number(100-135):press ⊕ button to display "---", then press three digit button in order to input the channel number.

3.VOL+/- BUTTONS (VOL+/-)(TV top control key)

Press VOL+/- buttons to adjust sound level.

4.CH+/- BUTTON(TV top control key)

1.Press the CH+/- button to select the program forwards.

2.Press the CH+/- button to select the program backwards.

(Use these two buttons for Page Up/Down to increase/decrease page number in TELETEXT mode,option)

5.MENU BUTTON(TV top control key)

Use "MENU" button for the tuning procedure, please refer to page18-25 for the details.

6.SLEEP BUTTON

This key is used to set the sleep timer from 10 minutes to 240 minutes. Time will display on bottom-right corner and decrease in second when one minute left. Monitor will go into stand by mode when time off. To switch off this function, Press this key step by step until "off" display.

7.DISPLAY BUTTON

Press this button to recall program number, system etc on the screen.

8.RECALL BUTTON

Press this button to return to the previously viewed program.

9.SOURCE SELECT BUTTON (⊡) (TV top control key)

Press this button to display external video signal such as VCR or DVD player.

   *Remark:

       PC ⟶ DVI ⟶ TV ⟶ AV1 ⟶ AV2 ⟶ S-VIDEO ⟶ YCbCr ⟶ HDTV
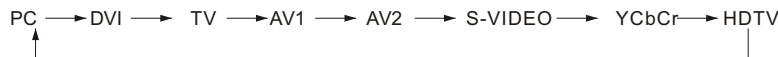
10.MUTE BUTTON (ⓧ)

Press once to mute the sound, press again to return to previous sound level.

11.MONO/STEREO BUTTON (◖/▽) (OPTION)

As stereo program is received. You can select STEREO/MONO/Dual A/Dual B or MONO/STEREO/SAP or FM/A2/Germem stereo/BTSC/Nicam by pressing the ◖/▽ button.

12.PIP BUTTON

This button has no function.

13.SOUND BUTTON

Press this button is to select the sound mode:Personal/Cinema/Music/Speech.

14.PICTURE BUTTON

Press this button to select the user picture mode:Personal/Bright/Mild/Standard.

15.Auto BUTTON

Press this button to automatically adjust picture.

16.Screen BUTTON

Press this button to select the screen format:Fill Screen/4:3/Wide /Cinema/Smart/14:9.(Video Format)

17.CCD BUTTON

Press this button to setup CCD.

18.V-Chip BUTTON
Press this button to setup V-Chip.

19.FREEZE BUTTON
Press this button to hold the current video picture, Press the button twice to cancel.

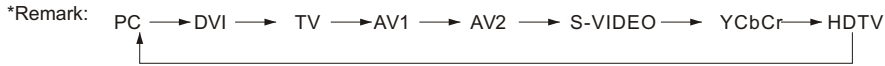|	
TV	Signal ◄————————————— TV
13:15	Current time ◄————————— 13:15
CH 9 I	TV channel and soundformat ◄————— CH 9 I
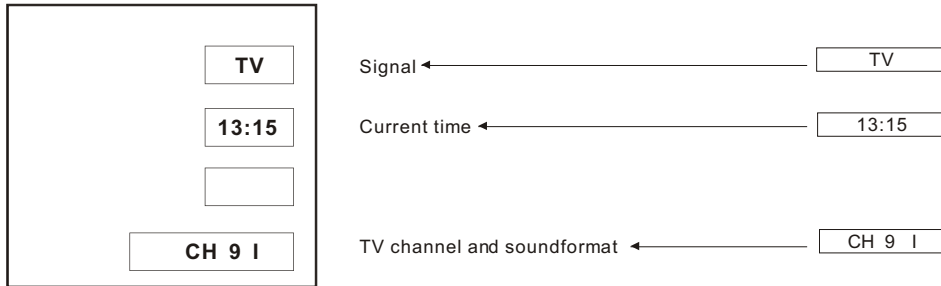
20.SYSTEM BUTTON
Press this button to select TV/IRC/HRC/STD format at NTSC TV signal.

TURN ON/OFF

1. Insert the AC plug into a conveniently located AC outlet (100-240VAC,50/60Hz).
2. Turn on the on/off switch
3. Press the ⟶ to select the signals

*Remark: PC ⟶ DVI ⟶ TV ⟶ AV1 ⟶ AV2 ⟶ S-VIDEO ⟶ YCbCr ⟶ HDTV

If no input signal, then a blue background appears.
4. Press **menu** and the menu will display, continue press ⟶ menu to select follow the menu, press ▼ or ▲ to select the language menu, press ◀ or▶ select the language.

Note: The item of selected is highlight when press ▲ or ▼.

```
              SETUP
   ▮  Language        ◀ English ▶
   ▮  OSD Position    ◀ Upper Left ▶
   ▮  OSD Background      Opaque ▶
   ▮  Screen Format   ◀ Fill Screen ▶
   ▮  Timer Setting              ➡
   ▮  Freeze Window   ◀   OFF    ▶
   ▮  Gamma Correct   ◀  Middle  ▶
   ▮  Reset to Factory           ➡
   ▮  Sync VCR        ◀   OFF    ▶
      <Left> or <Right> key to change
```
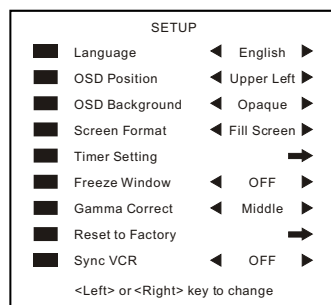
TV

The tuner must be correctly installed before switching on AC power. Otherwise the set has no TV source, To enter the channel setting menu

1. Press **menu** to select the follow menu. Press▲ or ▼ to select Color sys, press◀ or▶ to set local system.

```
          CHANNEL SETTING
   ▮  Color System    ◀   Auto   ▶
   ▮  TV/CATV         ◀   AIR    ▶
   ▮  Current Program ◀   12     ▶
   ▮  Add/Erase       ◀  Erase   ▶
   ▮  AFT             ◀   ON     ▶
   ▮  Auto Search              ➡
   ▮  Fine Tune                ➡
      <Left> or <Right> key to change
```
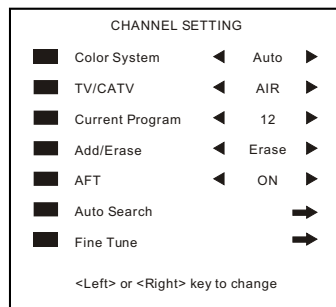
2 It has two way for Channel search:
A.Select the format in TV/CATV ,then input the number of the channel directly.
B.Select Auto search and press ◀ or▶ .

PICTURE SETTING

The PICTURE SETTING menu allows you to alter the picture adjustments. Press ▲ or ▼ to highlight the item you want to alter. Press ▲ or ▼ to select the item you want to alter, then press ◄ or ► to adjust it.
Film Mode---If the signal source is film mode, please select **ON**, the menu will be best displayed. If the signal source is not film mode, please select **OFF**.
Backlight ---press ◄ or ► to set up the Brightness of the Backlight.

DCTI---Digital color transient improvement logic improves the color transitions and redues color smeaning introduced. you can select ON/OFF to enjoy video.

Note:
   Tint can be adjusted only for NTSC color signal.

```
         PICTURE SETTING
■   Brightness    50   [====    ]
■   Contrast      50   [====    ]
■   Color         50   [====    ]
■   Tint          50   [====    ]
■   Sharpness     20   [==      ]
■   Backlight     20   [==      ]
■   Color Temp    ◄   9300K   ►
■   Film Mode     ◄    ON     ►
■   DCTI          ◄    ON     ►
   <Left> or <Right> key to change
```

Item	◄	►
Brightness	Darker	Lighter
Contrast	Weaker	Stronger
Color	Paler	Deeper
Tint	Purplish	Greenish
Sharpness	Softer	Sharper

SOUND

The *SOUND* menu allows you to alter the sound adjustments. Press ▲ or ▼ to highlight the item you want to alter.
1. Press ▲ or ▼ to select the item you want to alter, then press ◄ or ► to adjust it.
2. Sound mode: Press ◄ or ► to select you like sound mode,
   Personal, Cinema, Music, Speech.
3. Special effect   --- press ◄ or ► to select you like sound mode.
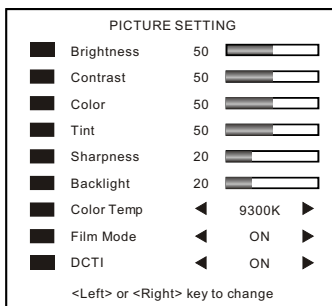   PSE   --- pseudo stereo effect
   SBE   --- stereo base width enlargement
   OFF   --- No special effect.
4. Auto Volume   --- press ◄ or ► to select on or off volume level of the channels will stay the same, independent of the broadcast signal. "on" is unlocked the function, "off" is selected automatically.
5. Equalizer   --- press ◄ or ► to select off or natural or dynamic.
6. For a stereo broadcast, the TV set is auto identify, the menu wil display. If you want to select the Mono/Stereo/A/B, press ◎/▽ .

```
              Sound
■   Bass           20   [==     ]
■   Treble         20   [==     ]
■   Balance        20   [==     ]
■   Volume         20   [==     ]
■   Audio Mode     ◄  Personal  ►
■   Spacial Effect ◄    OFF     ►
■   Auto Volume    ◄    OFF     ►
■   Equalizer      ◄    OFF     ►
   <Left> or <Right> key to change
```
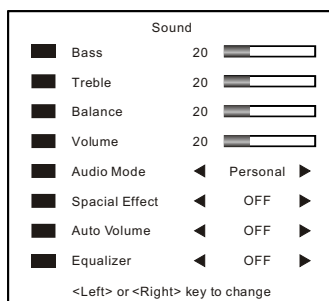
Item	◄	►
Bass	lower-frequency weaker	lower-frequency lighter
Treble	higher-frequency weaker	higher-frequency stronger
Blance	emphasise the left speaker	emphasise the right speaker
Volume	Littler	Bigger

SAP

☐ Stereo ☐
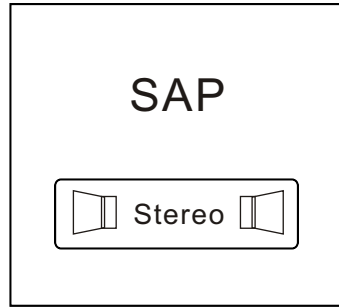
CLOSED CAPTION

Closed caption is an information service transmitted by most TV stations. Press ▲ or ▼ to highlight the item you want to alter.
1.   The CC Mode contain CC1/CC2/Text1/ Text2/XDS/CC3/CC4/ Text3/ Text4 ,press ◄ or ► to select the item you wish to watch.
     A.Some TV programs may not be broadcast with closed caption signals, and therefore , the TV will not be able to display captions. Also, text information is not offered by all stations.
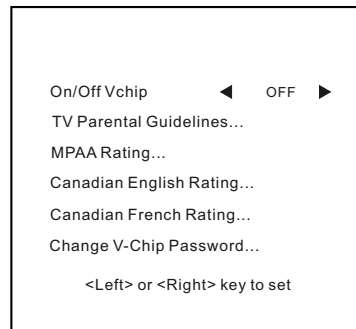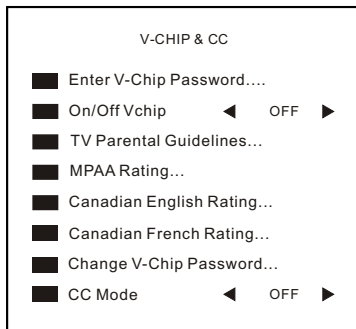   B. Some TV programs only provide one channel caption, one channel text, or only caption without text.
2.   The CC Background has black and transparent, press ◄ or ► to select.

```
        V-CHIP & CC

■ Enter V-Chip Password….
■ On/Off Vchip        ◄    OFF    ►
■ TV Parental Guidelines…
■ MPAA Rating…
■ Canadian English Rating…
■ Canadian French Rating…
■ Change V-Chip Password…
■ CC Mode            ◄    OFF    ►
```

```
  On/Off Vchip        ◄    OFF    ►
  TV Parental Guidelines…
  MPAA Rating…
  Canadian English Rating…
  Canadian French Rating…
  Change V-Chip Password…

      <Left> or <Right> key to set
```

V-CHIP

PASSWORD

The original code is 0000,If you want to clear the code,please press the key VOL+ and Vol- on the panel at the same time.The password of TV V-Chip Set up… or Movie V-Chip Set up…may be changed at any time,press digital button to input the number of pass word.

```
        Enter Password


          *    *    -    -


        Press<Menu> to Exit
```
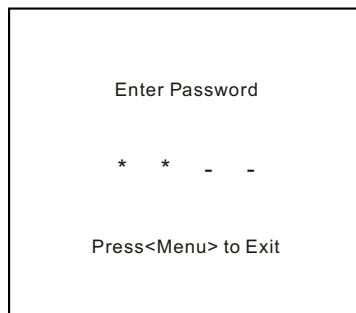
CAUTION MESSAGES:

Invalid Password	Password Change	Clear Password
Please Try Again	Successful	Successful

TV RATING AND MOVIE RATING

TV RATING

Rating	Allow	FV	D	L	S	V
TV-Y	☐					
TV-Y7	☐	☐				
TV-G	☐					
TV-PG	☐		☐	☐	☐	☐
TV-14	☐		☐	☐	☐	☐
TV-MA	☐			☐	☐	☐

<Left> or <Right> key to change

MOVIE RATING

Rating	Allow
MPAA G	☐
MPAA PG	☐
MPAA PG-13	☐
MPAA R	☐
MPAA NC-17	☐
MPAA X	☐

<Left> or <Right> key to change

1.Press ▲ or ▼ to select the item you want to alter,then press ▶ .

2.if you want alter the TV V-Chip Set up... or Movie V-Chip Set up...,you must press ▶ and input the password, press ◀ or ▶ to select the bit of password, press ▲ or ▼ to input the number of password,then press ▶ to select Ok or Cancel,press **menu** confirm your input.

3.The password is OK, you may alter TV V-Chip Set up... or Movie V-Chip Set up...

Press ▲ or ▼ to select the rating, press ◀ or ▶ to select the lock.

Parents can select the rate for your children.

TV-Y --- This program is designed to be appropriate for all children.

TV-Y7 --- This program is designed for children age 7 and above.

TV-G --- Most parents would find this program suitable for all ages.

TV-PG --- This program contains material that parents may find unsuitable for younger children.

TV-14 --- This program contains some material that many parents would find unsuitable for children under 14 years of page.

TV-MA --- This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.

FV --- Fantasy Violence

V --- Violence

S --- Sexual Situations

L --- Adult Language

D --- Sexually Suggestive Dialog

A --- Allow

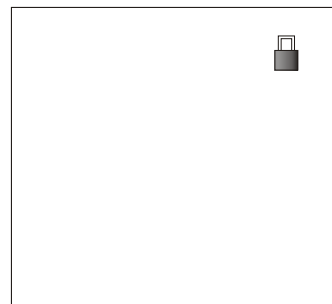B --- Blocked

G --- General audience

PG --- Parental guidance suggested

PG-13 --- 13 years and up

R --- Restricted

NC-17 --- 18 years and up

The picture will be screened when the input signal contains V-chip information, if you setup the rate.

Canadia English Lanugage Ratings:
E:Exempt.
C:Children.
C8+:Children 8 years and older.
G:General programming,suitable for all audiences.
PG:Perenal guidance.
18+:Adult programming.
Canadian French Lanuage Ratings:
E:Exempt
G:Children
8ans+: Children 8 years and older
13ans+:Children 13 years and older
16ans+:Viewers 16 years and older
18ans+:Adult programming

CANADIAN ENGLIAH RATING	
Rating	**Allow**
■ E	☐
■ C	☐
■ C8+	☐
■ G	☐
■ PG	☐
■ 14+	☐
■ 18+	☐
<Left> or <Right> key to change	

CANADIAN FRENCH RATING	
Rating	**Allow**
■ E	☐
■ G	☐
■ 8 ans+	☐
■ 13 ans+	☐
■ 16 ans+	☐
■ 18 ans+	☐
<Left> or <Right> key to change	

SETUP

The setup menu allows you to setup other function. Press ▲ or ▼ to highlight the item you want to alter.
1.   Language --- press◄ or ▶to select language
2.   OSD Position   --- press ◄ or▶ to select the display position of OSD.
3.   OSD Background --- press ◄ or▶ to setup Opaque or translucent.
4.   Screen Format --- press ◄ or▶to select the mode of picture displayed.
      Fill screen --- the each format signal is displayed fill screen.
      4:3   --- Conventional 4:3 picture size, full picture information.
      Wide   --- For 16:9 broadcast.
      14:9 --- For 14:9 broadcast.
      Cinema --- Wide screen format for letterbox movies.
      Smart   --- Imitation of wide screen effect for 4:3 broadcast.
      If parts of the top and bottom of the screen are cut off, press▲ or▼ to adjust the position of the image on
      the screen.

SETUP		
■ Language	◄ English	▶
■ OSD Position	◄ Upper Left	▶
■ OSD Background	◄ Opaque	▶
■ Screen Format	◄ Fill Screen	▶
■ Timer Setting		➡
■ Freeze Window	◄ OFF	▶
■ Gamma Correct	◄ Middle	▶
■ Reset to Factory		➡
■ Sync VCR	◄ OFF	▶
<Left> or <Right> key to change		
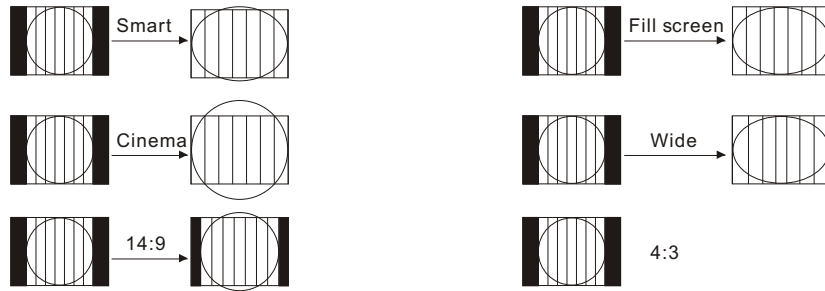
5.   Sleep Setting --- press ▶ to enter the menu ,it is equivalent to the **Sleep** button.
    Current Clock   --- press ◀ or ▶ to select the item you want to alter, press ◀ or ▶ to input the number.
    Turn Off Time   --- press ◀ or ▶ to select the turn off time
    Turn On Channel   --- press ◀ or ▶ to select the channel of the set auto turn on .
    Turn On Clock   --- press ◀ or ▶ to select the function is on or off.press ▲ ▼ ◀ ▶ to setup the time of set auto
     turn on you want.
    Program 1/2/3   --- when you watch TV , you can setup the time and channel which you want to enjoy. You
    can setup ONCE or EVERYDAY. It is automatic .
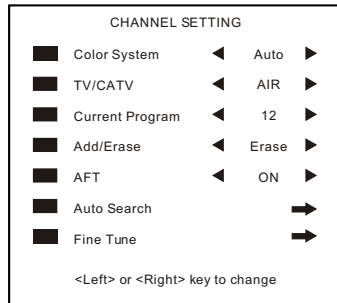

6.   Freeze Window ---press ◀ or ▶ to select on/off."ON":the picture is frozen.
7.   Reset to Factory---press ▶ to resume the originally setting.
8.   Press ◀ or ▶ to select ON/OFF. ON : The effect of picture is fine at VCR signal.

CHANNEL SETTING

1. Press **menu** to select the follow menu. Press▼ or ▲ to select Color sys, press ◀ or ▶ to set local system.

```
              CHANNEL SETTING
   ■   Color System      ◀   Auto   ▶
   ■   TV/CATV           ◀   AIR    ▶
   ■   Current Program   ◀    12    ▶
   ■   Add/Erase         ◀   Erase  ▶
   ■   AFT               ◀   ON     ▶
   ■   Auto Search                  ➡
   ■   Fine Tune                    ➡

         <Left> or <Right> key to change
```

2.TV/CATV--- press◀ or▶ to select the format(AIR,STD.IRC.HRC) of NTSC signal.STD/IRC/HRC is identified automatically at CATV.

3.Current program---press ◀ or ▶ to switch the channel.

4.Add/Erase --- press◀ or ▶to select add or erase the current channel. you can select the channel by the Current prog menu by the number buttons if you want to switch to the skipped channel, then switch the add.

5.AFT ---Auto frequency control.

6.Auto Search --- Press▲ or▼ to select Auto search, press ◀ or▶ to begin searching and storing all available broadcast channels for you.

7.Fine Tune --- press◀ or▶ to enter the menu, then press◀ or ▶ continue to tune the effect of picture.

```
                    1
   Fine Tuning      VHFH
   [▓▓▓▓▓▓░░░░░░░]
   <Left> or <Right> key to Change
```
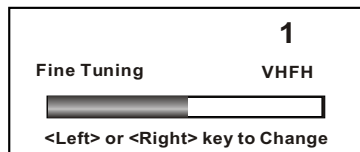
Note:
   Press **menu** *will end the auto search during searching, but automatic tuning will not be completed.*

ANALOG RGB AND DVI

Following modes are strongly suggested for set up mode.

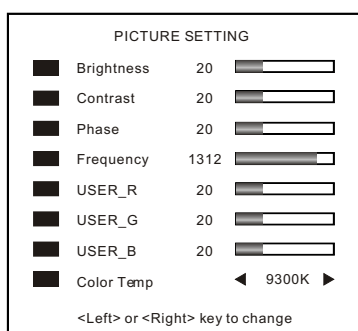| RESOLUTION	V.Freq.(Hz)	H.Freq.(KHz)	GRAPHIC MODE
640x480	59.940	31.469	VGA
800x600	60.317	37.879	VGA
1024x768	60.004	48.363	VGA
1280x768	59.870	47.776	VGA

PICTURE SETTING

Press ▲ or ▼ to select the item you want to alter, then press◀ or▶ to adjust it.

```
        PICTURE SETTING

  Brightness    20
  Contrast      20
  Phase         20
  Frequency   1312
  USER_R        20
  USER_G        20
  USER_B        20
  Color Temp      ◀  9300K  ▶

  <Left> or <Right> key to change
```

Item	◀	▶
Brightness	Darker	Lighter
Contrast	Weaker	Stronger
Phase	Decrease	Increase
Frequency	Left	Right
USER_R	Weaker	Stronger
USER_G	Weaker	Stronger
USER_B	Weaker	Stronger

Color Temp --- press ◀ or ▶ to select the color temperature.

NB: The DVI input only fit with VIDEO player.

PICTURE POSITION

1.   Horizontal --- Press the ◀ to move the Screen to the left.
     Press the ▶ to move the Screen to the right.
2.   Vertical --- Press the ▶ to move the Screen to up.
     Press the ◀ to move the Screen to down.
3.   Auto Adjust --- Press the ▶, the picture will be adjusted at best setting.
4.   Backlight ---press ◀ or ▶ to set up the Brightness of the Backlight.

```
        PICTURE POSITION

  Horizontal    50
  Vertical      50
  AutoAdjust          ➡
  Backlight     50

  <Left> or <Right> key to change
```
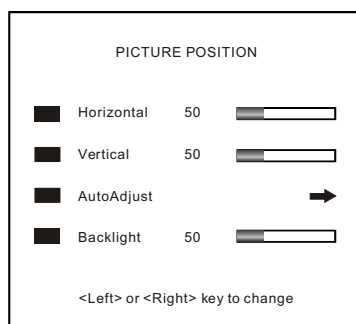
Note:
  *If the picture is abnormal at any signal, please press **VCR/AUTO** The **SETUP** and **Sound** operation with reference to the TV.*

TROUBLESHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSE	POSSIBLE SOLUTION
No power	The AC power cord is not connected	Connect the AC power corcd to the AC outlet
	The switch is switch off	Switch on the switch
Poor/no picture	TV station experiencing problems	Try another channel
	Picture setting is not adjusted	Check picture control adustments
	Possible local interference	Check for source of reception
	Double images or ghosting	Check aerialcable connections
	Only snow and noise appears on the Screen	Check if the aerial is broken or bent
	No color on color programme	Press **VCR/AUTO**
	Some tiny black points or bright points on the screen	The picture of a display units is composed of pixels. It is not indicate a malfunction
	Noisy picture when viewing a TV channel	Using the menu system, select the "Channel setting"to adjust Fine Tune to obtain better picture reception
Poor/no sound	Good picture, no sound	Press the ◁ + - or ◁× (mute)
	TV station experiencing problems	Try another channel
	Possible local interference	Check for source of reception disturbance
	Good picture ,noisy sound	Check the "sound sys"
TV shuts off	Sleep timer is set	Set sleep timer to "off"
	Off timer is set	Clear off timer

PERSONAL COMPUTER

No picture	The NO INPUT SIGNAL message appears on the screen	The computer is in power saving mode.Try Pressing any key on the computer key board.
		Check the computer power is"on".
		Check the cable is properly connected.
	If the OUT OF SCANRANGE message appears on the screen	Check the video frequency range is within that specified for the monitor ,adjust the frequency range to the following: Horizontal:15.6-90KHz Vertical:48-85 Resolution: 1366x768
Pictureis fuzzy		Using the menu system, adjust "Brightness" and "Contrast".
		Press **VCR/AUTO**
If the set don't turn on when you turn on AC Power, please turn off AC power and wait a moment, then turn on AC power.		
If the picture is wrong at any signal, press **VCR/AUTO**, the picture will be displayed had best.		
If you feel the pictures is glaring,please adjust the lightness of backlight.		

Note:
If you continue to experience problems,have your TV serviced by qualified   personnel.Never open the casing yourself.