

# Using the remote control

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## Preparing the remote control for use

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### Installing the remote control batteries

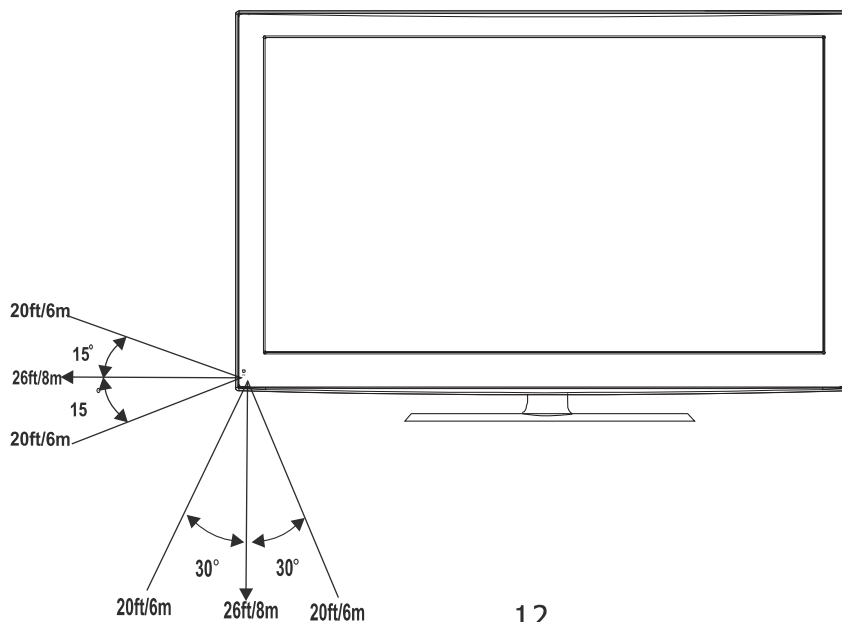
1. Open the battery cover on the back of the remote control.



2. Install two AAA size(1.5V) batteries. Match the + and - signs on the batteries to the signs on the battery compartment.
3. Close the battery cover.

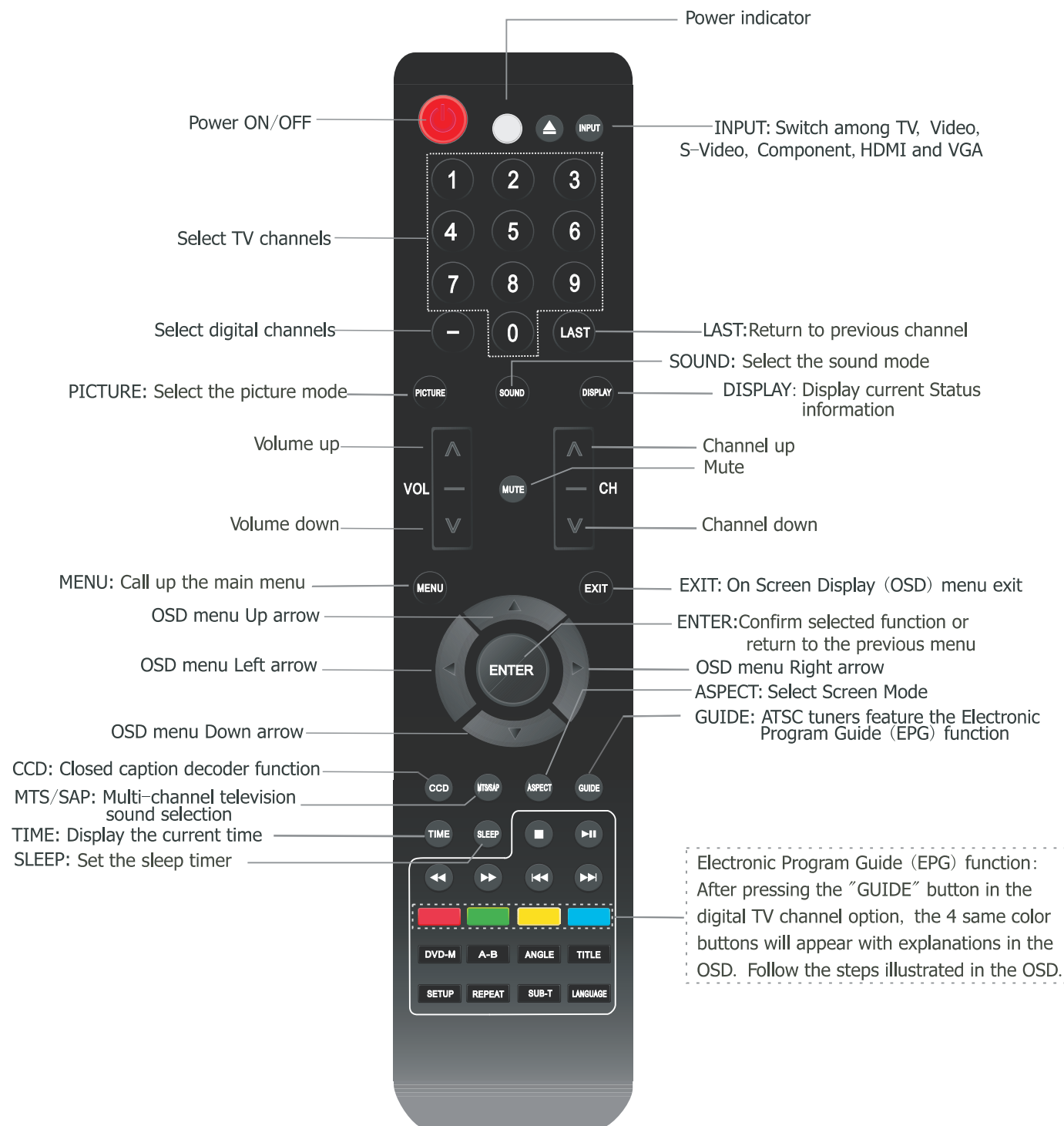
Note:

1. Dispose of your batteries in a designated disposal area. Do not throw batteries into fire.
2. Do not mix battery types or combine used batteries with new ones.
3. Remove dead batteries immediately to prevent battery acid from leaking into the battery compartment.
4. If you do not use the remote control for a long time, remove the batteries.
5. The effective range of the remote control is demonstrated by the following figure:



# Using the remote control

## Learning about the remote control



# Understanding the TV features

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- **Multimedia** - All in one TV receiver, Video Monitor and PC display.
- **Wider viewing angle** for 16:9 and 4:3 display screens - over a 160 degree viewing angle and a 16:9 display panel.
- **Digital display device** - Irrespective of magnetic or geomagnetic effects, this device accurately reproduces images without any distortion or blur.
- **Closed caption decoder** - You may view specially labeled (cc) TV programs, movies, news, prerecorded tapes, etc. with either a dialogue caption or text display added to the program.
- **V-chip** - Enables parents to prevent their children from watching inappropriate programs on TV.
- **User adjustable Sleep timer**
- **Multi-language capabilities**

## Basic Operation

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### Menu operation

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#### Power ON/OFF

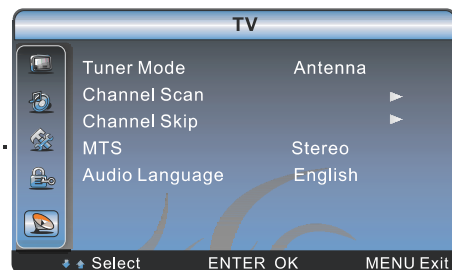
1. Connect the TV to a power outlet. If the power indicator is red, it means that the TV is switched off. Press the Power button on the front control or on the remote control to switch on the TV. Once the Power button is switched on, the power indicator will be displayed as blue. Several seconds later, the TV picture will be displayed on the screen.
2. Press the Power button on the front control or on the remote control to turn the TV off temporarily.
3. Always remove the AC power plug from the outlet when not using this TV for a long period of time.

#### Signal source selection

Press the [INPUT] button to select TV, AV, S-Video, Component, VGA and HDMI inputs. There are two ways to select the source: One is to press the [INPUT] button continuously, while the other is to use the [ARROW] and [ENTER] buttons to confirm the source.

#### TV Settings

1. Press **MENU** to open the OSD option
2. Press ▲ or ▼ to highlight TV, then press ► to enter the TV menu.
3. Press ▲ or ▼ to highlight an option, then press ◀ or ▶ to adjust the option. You can adjust:



- **Tuner Mode** - Select the TV signal source. You can select **Antenna** or **Cable**.
- **Channel Scan** - Scans for channels that have signals and stores the channels information in memory. When you press ◀ or ▶, your TV skips any channels that do not have a signal.
- **Channel Skip** - Deletes a channel stored in memory. When you press **CH+** or **CH-**, your TV skips the channel you deleted. You can still tune to the channel using the number buttons on the remote control.
- **MTS** - Selects the sound mode. You can select Mono, Stereo, or SAP (second audio program).
- **Audio Language** - Selects the audio language for a program.

#### Select channels

Please use [CH+/CH-] button on the remote panel to select channels. [CH+] indicates channel number up; [CH-] indicates channel number down. Press [CH▲ /Ch▼] button on the side panel of the TV to select the channels. If you want to choose any of the skipped channels, press the number directly.

## Basic operation

### Use [Mute] button

Press the [Mute] button to mute the sound. Press the [Mute] button again to resume the sound.

### Select picture modes

Press the [PICTURE] button to select the picture mode from four options: Standard, Movie, User and Vivid. In the "User" mode you can adjust the picture mode based upon your personal preference.

### Select sound modes

Press the [sound] button to select sound modes from Standard, Speech, User, and Music. In the User Mode, you can adjust the audio mode based upon your personal preference.

### Select screen modes

Press the [ASPECT] button to select the aspect ratio between picture width and picture height (High Definition 16:9 pictures will be displayed in original format 16:9, named Wide). The options for SD (Standard Definition 4:3) are Normal, Wide, Zoom and Cinema

- 1 Normal  
The original 4:3 aspect ratio (1.33:1 signal) is preserved, so black bars are added to the left and right of the image. Standard TV broadcasts are displayed with a 4:3 aspect ratio.



- 2 Wide  
When watching a standard broadcast or full-frame movie in this mode, the display image is stretched proportionately to fill the TV screen. When watching a widescreen (1.78:1 signal) program or movie, the display image fills the TV screen.



- 3 Zoom  
Stretches the 4:3 aspect ratio image vertically and horizontally to fill the screen at 1:1.78 aspect ratio.



- 4 Cinema  
Stretches the 4:3 aspect ratio image vertically and horizontally to fill the screen at 1:2.35 aspect ratio.



# Basic operation

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## Use [GUIDE] button

Press the [GUIDE] button to display features of the ATSC program and the EPG function.

## Use [DISPLAY] button

Press the [DISPLAY] button to view current source information.

## Use [EXIT] button

Press the [EXIT] button to exit the OSD menu.

## Select channels by numbers

To select a channel: Press the channel number you would like to go to. For example, to select channel number 120, press buttons 1, 2 and 0, respectively.

## Use [MENU] button

Press the [MENU] button to display the TV OSD menu.

## Use [LAST] button

Press the [LAST] button to return to the previous channel.

## Use [ENTER] button

Press the [ENTER] button to select a particular item.

## Adjust Volume

Press [VOL+ /VOL-] button to adjust the volume.

## Use [CCD] button

Press the [CCD] button to change the CCD mode. Using this button will set the Closed Caption mode when viewing a DTV or TV channel.

**Note:** For DTV the options are CC1, CC2, CC3, CC4, Service1 or Service2. For TV and AV, the options are On or Off. Additionally, this button stops the CD, DVD or VCR when the component is activated with the remote control.

## Use [MTS/SAP] button

Press the [MTS/SAP] button to change the sound mode (Mono, Stereo, SAP). This button will select the MTS options of Stereo, SAP, or Mono in TV mode, alternate audio channels, and when available, in DTV mode.

## Use [SLEEP] button

Press the [SLEEP] button repeatedly to set the sleep time, which can be set to: 5 Mins, 10 Mins, 15 Mins, 30 Mins, 45 Mins, 60 Mins, 90 Mins, 120 Mins, 180 Mins, 240 Mins, and Off.

## Use [TIME] button

Press the [TIME] button to obtain the current time.

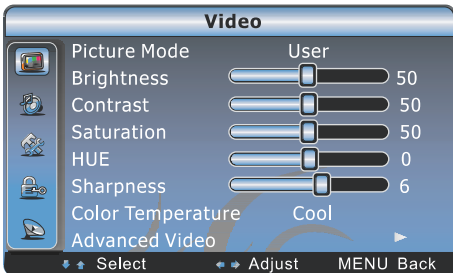
# Basic operation

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## Video mode adjustment

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1. Press **MENU** to open the OSD option
2. Press **▲** or **▼** to highlight Video, then press **▶** to enter the Video menu"Refer to page 12 "Select picture mode

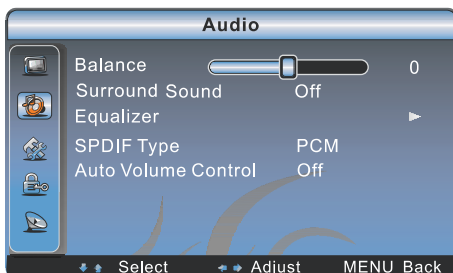


3. Press **▲** or **▼** to highlight an option, then press **◀** or **▶** to adjust the option. You can adjust:
  - **Picture Mode** - Adjusts the Picture Mode. You can select Standard, Movie, User, or Vivid.
  - **Brightness** - You can increase or decrease the brightness of the picture. Increasing the brightness can add more light to dark areas of the picture, while decreasing the brightness can add more darkness to light areas of the picture.
  - **Contrast** - You can increase or decrease the contrast of the picture. Increase the contrast to adjust the white areas of the picture or decrease the contrast to adjust the black areas of the picture.
  - **Saturation** - Adjusts the intensity of the colors.
  - **HUE** - Adjusts the overall color of the picture.
  - **Sharpness** - You can increase the sharpness level for clearer images or decrease the sharpness level for smoother images.
  - **Color temperature** - Changes the color temperature. You can select the color temperature from three options: Cool, Standard or Warm.
  - **Advanced Video** - Accesses advanced video settings such as DNR, Black Level, Extender, White Peak Limiter and Flesh Tone.

## Audio mode adjustment

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1. Press **MENU** to open the OSD option
2. Press **▲** or **▼** to highlight **Audio**, then press **▶** to enter the **Audio** menu.



3. Press **▲** or **▼** to highlight an option, then press **◀** or **▶** to adjust the option. You can adjust:

## Basic operation

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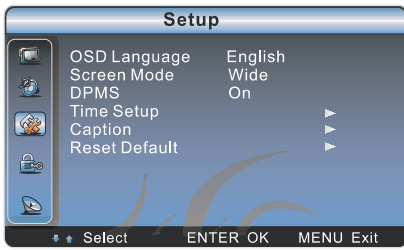
- **Balance** - Adjusts the volume of the left and right speakers.
- **Equalizer** -You can select the frequency you want to adjust and change its value.
- **Surround Sound** -Turns the surround sound effect on or off.
- **Auto Volume Control** - Turns automatic volume control on or off. The option keeps the audio in a preset range to eliminate large spikes in volume.
- **SPDIF Type** - Selects the SPDIF type. You can select PCM, Dolby Digital, or Off.

**Note:** Via SPDIF Type, you can choose the optical digital audio out type. If Audio Volume Control is On, that means audio out control is activated.

## Setup

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1. Press MENU to open On Screen Display (OSD) option
2. Press ▲ or ▼ to highlight **Setup**, then press ► to enter the **Setup** menu.



3. Press ▲ or ▼ to highlight an option, then press ◀ or ▶ to adjust the option. You can adjust:
  - **OSD Language** - Use the right or left arrow button to choose the OSD Language among English, Spanish and French.
  - **Screen Mode** - Use the arrow button to choose the aspect ratio between picture width and picture height (High Definition 16:9 pictures will be displayed in original format 16:9, named Wide). The options for SD (Standard Definition 4:3) are Normal, Wide, Zoom and Cinema.
  - **DPMS** - This is a good function for a computer monitor. When DPMS is on, the computer will control the screen on or off. For example, if the computer is in sleep mode, the screen will be switched off. If the computer is activated, the screen also is activated.
  - **Time Setup** - You can set up the exact time by yourself. You can also set up Sleeper Time and Auto Sleep Time.
  - **Caption:** There are three items in it - Analog Closed Caption, Digital Closed Caption and Digital Caption Style.
    - Analog Closed Caption:** CC1, CC2, CC3, CC4, TEXT1,TEXT2, TEXT3, TEXT4.
    - Digital Closed Caption:** Service1, Service2, Service3, Service4, Service5, Service6.
    - Digital Caption Style:** There are two Caption Styles. One is the automatic function set as the broadcaster, while the other is the custom style where you can adjust the font size, color, background color etc., accordingly.
  - **Reset Default** - Every TV has its original setting before leaving the factory. So this function helps you restore these settings.

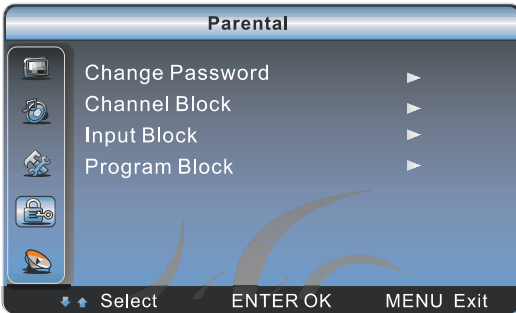
# Basic operation

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## Parental Control

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1. Press MENU to open On Screen Display (OSD) option
2. Press ▲ or ▼ to highlight **Parental**, then press ► to enter the **Parental** menu.



When you first use this function, the default password is [0000]. Once you input this password, you can:

3. Press ▲ or ▼ to highlight an option, then press ◀ or ▶ to adjust the option. You can adjust:
  - **Channel Block** - This function will let you block any channel you want.
  - **Program Block** - A. Rating Enable is on
    - B. U.S. TV Ratings: You can choose TV ratings according to the illustration on the screen.
    - C. The settings for U.S. Movie Ratings, Canada (English) Ratings and Canada (French) Ratings follow Step B.

If you want to block the unrated program, please turn on this function.

**Following is the description of these ratings.**

### About TV PG Rating:

**The TV ratings are divided into two groups: age-based and content-based.**

Age	Defined as
TV-Y	All children
TV-Y7	Directed to older children
TV-G	General audience
TV-PG	Parental Guidance suggested
TV-14	Parents Strongly cautioned
TV-MA	Mature Audience only

Contents	Defined as
FV	Fantasy Violence
D	Suggestive dialogue
L	Strong language
S	Sexual situations
V	Violence



## Basic operation

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### About MPAA Rating:

The Motion Picture Association of America(MPAA) uses a rating system to qualify motion picture content. Television broadcasters employ a rating system to qualify the content of television programs as well. The MPAA and TV ratings work with the V-CHIP feature and allow you to block out programming above the rating limits you determine.

Rating	Defined as
G	General audience
PG	Parental Guidance suggested
PG-13	Parents strongly cautioned
R	Restricted
NC-17	No one 17 and under admitted
X	Adult audience only

### About Canada (French)

Rating	Description
G	General
8 ans+	8+General; Not recommended for young children
13 ans+	Programming may not be suitable for children under the age of 13
16 ans+	Programming is not be suitable for children under the age of 16
18 ans+	Programming restricted to adults

### About Canada (English)

Rating	Description
C	Children
C8+	Children eight years and older
G	General Programming, suitable for all audiences
PG	Parents Guidance
14+	Viewers 14 years and older
18+	Adult programming

**NOTE:** As you block rating, all rating higher than the ones you select are blocked as well. For example, if you choose to block the MPAA rating R, the higher ratings, NC-17 and X, are automatically blocked too .

## Basic operation

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- **Input Block** - You can block the input source with this function. For example, if you want to block AV input, just highlight [**AV**] and press [**ENTER**].The AV input will not be seen in the screen.
- **Change Password** - The first time you use this function, use the default password. If you want to change it, first enter the new password then enter the same password again.
- **Clean All** - This function will let you clean all the channels stored on this TV.  
**Note:** If you choose this function, all the programs you preset will be lost.

## Appendix

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### Cleaning and Care

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**WARNING:** Do not try to remove the cabinet from the back. Refer servicing to qualified service technicians.

#### To clean the TV screen:

1. Unplug the TV to avoid possible shock hazard.
2. Use a clean cellulose sponge or chamois cloth dampened with a solution of mild detergent and warm water to clean the TV screen and trim. Do not use too much water as water spilled into the cabinet can cause damage to the TV.
3. Wipe off any excess moisture with a clean dry cloth.
4. Polish the cabinet with a quality furniture polish to maintain the finish and appearance of the cabinet.

**Caution:** Never use strong solvents such as thinner, benzene, or other chemicals on or near the cabinet. These chemicals can damage the finish of the cabinet.

# Appendix

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## Troubleshooting

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Before calling a service technician, please check the following table for a possible cause of the problem and some solutions.

**Customer important notice:** If the TV functions cannot be operated, unplug the AC cord from AC power source, wait at least 1 minute, then re-plug AC cord. This will reset the TV settings and should restore TV to normal operation.

Symptoms	Possible Solutions
TV will not turn on	<ul style="list-style-type: none"><li>▪ Make sure the power cord is plugged in, then press <b>Power</b>.</li><li>▪ The remote control batteries may be dead. Replace the batteries.</li><li>▪ Unplug the VGA wire and plug the power wire again.</li><li>▪ Plug another electrical device into AC outlet to confirm the outlet is working properly.</li></ul>
No picture, no sound	<ul style="list-style-type: none"><li>▪ Check if you have set the timer off.</li><li>▪ Check the antenna/cable connections.</li><li>▪ Press [<b>Display</b>] to see if you have selected the right signal source.</li></ul>
No sound, picture OK	<ul style="list-style-type: none"><li>▪ The sound may be muted. Press [<b>VOL+</b>] on the remote control.</li><li>▪ The station may have broadcast difficulties. Try another channel.</li><li>▪ Check the speakers cable connections.</li><li>▪ Make sure headphones are not connected.</li></ul>
Poor sound, picture OK	<ul style="list-style-type: none"><li>▪ The station may have broadcast difficulties. Try another channel</li><li>▪ Check the speakers cable connections.</li></ul>
Poor picture, sound OK	<ul style="list-style-type: none"><li>▪ Check the antenna connections.</li><li>▪ The station may have broadcast difficulties. Try another channel.</li><li>▪ Adjust the picture from the menu.</li></ul>
Unable to select a certain channel	<ul style="list-style-type: none"><li>▪ The channel may be skipped. Choose this channel by directly selecting the buttons from the remote control.</li></ul>
Poor color or no color	<ul style="list-style-type: none"><li>▪ The station may have broadcast difficulties. Try another channel.</li><li>▪ Adjust Saturation in the Video settings menu.</li></ul>
The remote control does not operate	<ul style="list-style-type: none"><li>▪ There may be an obstruction between the remote control and the remote control sensor.</li><li>▪ The batteries may be installed with a wrong polarity.</li><li>▪ The remote control batteries may be dead. Replace the batteries.</li></ul>
Disorder display at power on	<ul style="list-style-type: none"><li>▪ This may be caused because of a very short interval between POWER OFF and ON.</li><li>▪ Unplug the power and restart.</li></ul>

# Appendix

## Specifications

<b>Model</b>	LTDN47T18GUS	
<b>Diagonal display size</b>	47Inches	
<b>Television system</b>	American TV standard ATSC /NTSC system	
<b>Audio multiplex</b>	BTSC system	
<b>Channel coverage</b>	VHF: 2~13 UHF: 14~69 CATV:1~125 Digital Terrestrial Broadcast (8VSB): 2~69 Digital cable (64/256 QAM): 1~135	
<b>PC mode</b>	640×480/60Hz,800×600/60Hz,1024×768/60Hz,1080P/60Hz	
<b>YPbPr/YCbCr mode</b>	480I/60Hz,480P/60Hz,720P/60Hz,1080I/60Hz ,1080P/60Hz	
<b>HDMI mode</b>	480I/60Hz,480P/60Hz,720P/60Hz,1080I/60Hz	
<b>Resolution</b>	1366 × 768	
<b>Power source</b>	AC 120 V , 60 Hz	
<b>Power consumption</b>	180W	
<b>Audio power</b>	8W+8W	
<b>Connection Interface</b>	<b>RF input</b>	Cable/ Antenna ×1
	<b>Video input</b>	Video/Component X2 HDMI X4
	<b>Graphic input</b>	Analog RGB 15pin ×1
	<b>Audio input</b>	Video/Component Audio X 2 VGA Audio Input X 1
	<b>Audio output</b>	Audio X 1 Coaxial Audio out x 1 Headphone audio out x 1
<b>Dimensions</b>	Length: 53 inches Width: 11.2 inches Height: 30.7 inches	
<b>Weight</b>	59.5lbs	
<b>Environmental conditions</b>	Temperature 5°C~35°C (41F~95F) Humidity:20%-80%RH, Atmospheric pressure:86kPa-106kPa	
<b>Supplied accessories</b>	Remote control, Batteries, User Manual	

Design and specifications are subject to change without notice.

CUSTOMER NOTICE: Use carefully when operating to prevent damage to the screen.