SHARP®

USER MANUAL

Before using the TV, please read this manual
thoroughly and retain it for future reference.

ENGLISH

FRANÇAIS

ESPAÑOL

ES-G1612C8

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Disclaimer:
Images throughout this document are for illustrative purposes only and may differ from the actual product.

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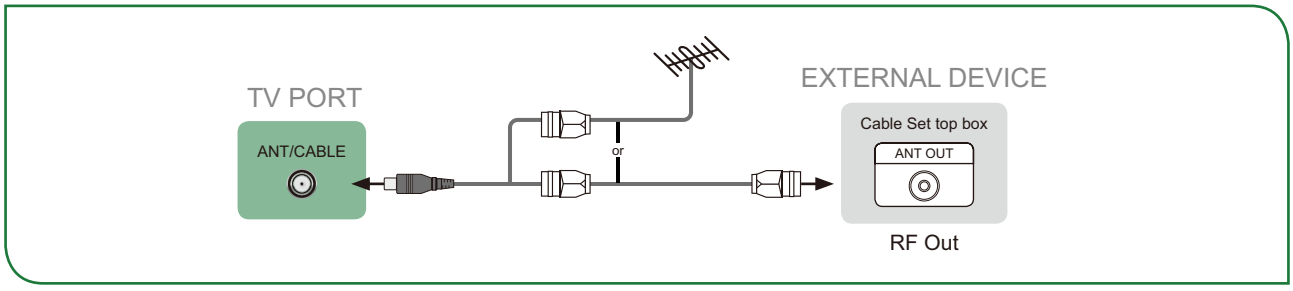
Connecting Devices to your TV

You have several options for connecting your TV to different devices. The method in which you connect will be based upon the type of cables you have and the available outputs on your device.

Connecting an antenna, cable set-top box or satellite receiver

To connect an antenna,cable set-top box or satellite receiver:

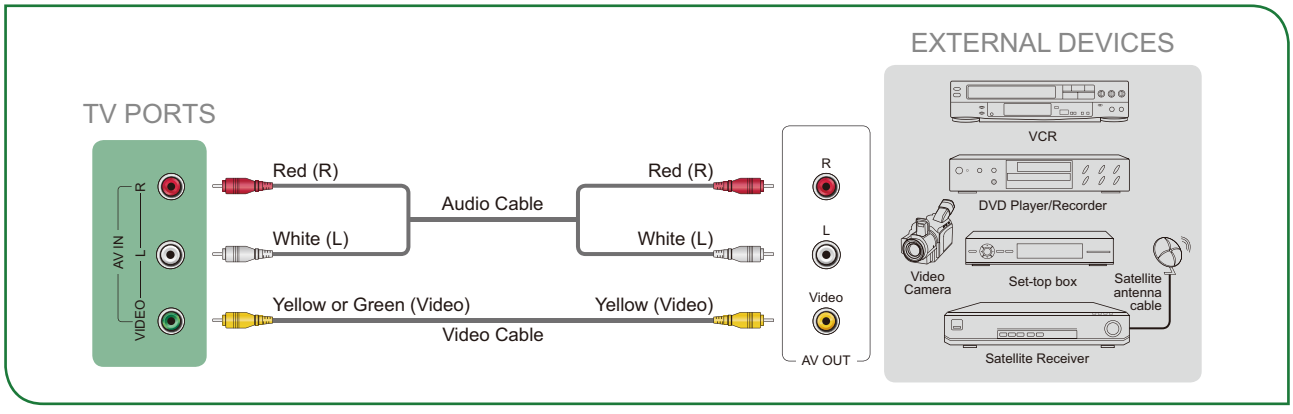
1. Connect one end of a coaxial cable (not included) to the **RF OUT** port on the antenna, cable or satellite box. If you are using an antenna with twin-lead cable, you may need a 300-75 Ohm adapter (not provided) to connect it to the back of your TV. Likewise, if you are using several antennas, you may need a combiner (not provided).
2. Connect the other end of the cable to the **ANT/CABLE** port on the side of TV.
3. Using your remote, press the **[INPUT]** button and select **TV** as the input source.



Connecting a satellite receiver, DVD player or other audio visual (AV) device with a composite video cable (yellow/red/white)

To connect an AV device with a composite video cable (not provided):

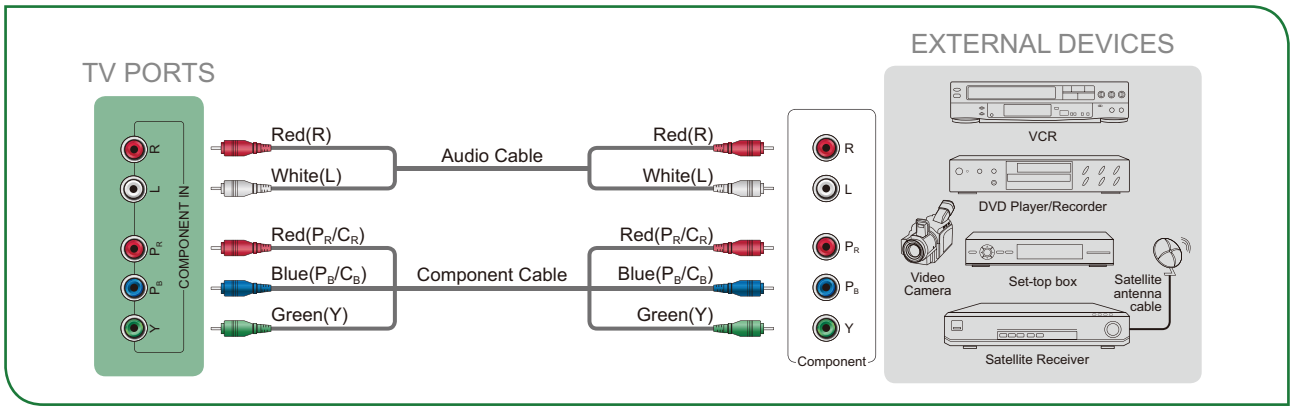
1. Use the audio and video cables to connect the composite video/audio ports of the external AV device to the **AV IN** ports of the TV. (Video = yellow, Audio Left = white, and Audio Right = red)
2. Plug the connected devices into the AV connectors on the TV before switching it on.
3. Using your remote, press the **[INPUT]** button and select **AV** as the input source.



Connecting an AV device with a component video cable (red/blue/green)

To connect an AV device with a component cable (not provided):

1. Use a component video cable to connect the component output ports of the external device to the **YP$_B$P$_R$** ports for the TV. (Y = green, P$_B$ = blue, and P$_R$ = red). Use an audio cable to connect the component audio ports of the external device to the TV **AUDIO (L/R)** ports.
2. Plug the connected devices into the **YP$_B$P$_R$** and **L/R** ports on the TV before switching it on.
3. Using your remote, press the **[INPUT]** button and select **COMPONENT** as the input source.



NOTE

- One AV device can be connected to the TV using a component video or composite video cable.

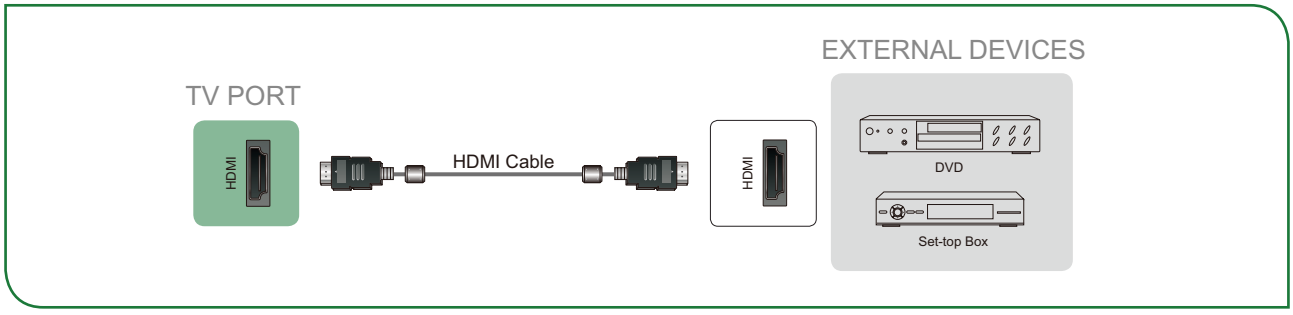
Connecting an AV device with an HDMI cable

This type of connection supports digital connections between HDMI-enabled AV devices such as a Personal Video Recorder (PVR), DVD, Blu-Ray, AV receiver and digital devices. In addition, some devices (such as a PVR or DVD player) require an HDMI signal to be set to Output in the settings of the device.

Please refer to the User Manual that came with your device for step-by-step instructions.

To connect an AV device with an HDMI cable (not provided):

1. Use an HDMI cable to connect the HDMI output port of the AV device to the **HDMI** port of the TV.
2. Plug the connected devices into the **HDMI** port on the TV before switching it on.
3. Using your remote, press the **[INPUT]** button and select the corresponding **HDMI** input.

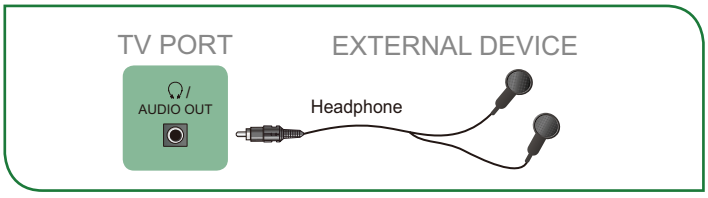


NOTES

- Because the HDMI connector provides video and audio signals, it is not necessary to connect an audio cable.
- We strongly recommend to use HDMI Cable with 2 cores as shown in the figure.

Connecting a headphone

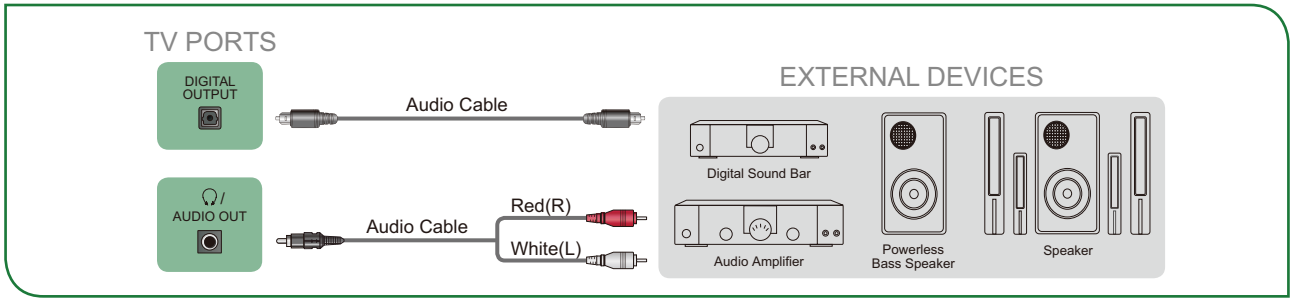
You can connect headphone (not provided) to the **AUDIO OUT** port on your TV. While the headphone is connected, the sound from the built-in speakers will be disabled.



Connecting speakers or other audio receivers

To connect speakers or other audio receivers with an audio cable (not provided):

1. Use an audio cable to connect the digital audio in port of the audio receiver device to the **DIGITAL OUTPUT** port of the TV. Another option is to use an RCA Y-cable (1/8”-stereo mini to L/R phono) to connect an analog sound system to the **AUDIO OUT** port of the TV.
2. Plug the connected devices into the main power socket before switching on the TV.



- **TIP:** If you prefer to use Audio Return Channel, then see *Connecting a digital sound bar to use Audio Return Channel (ARC) on page 7*.

NOTES

- When a digital audio system is connected to the **DIGITAL OUTPUT** port, decrease the TV and system volume.
- 5.1 CH (channel) audio is available when the TV is connected to an external device that supports a 5.1 channel surround sound
- You can receive 5.1 channel audio in one of two ways. The first way is to connect the **DIGITAL OUTPUT** port from the device to the Amplifier. The second way is to connect the **DIGITAL OUTPUT** port on the back of the TV to the Optical port on the Amplifier. After you’ve completed one of the two methods then be sure to go into the **Advanced Audio Settings** of the TV and select RAW to receive the 5.1 channel audio. You will need to also go into the sound or audio settings of your device to ensure it is set to 5.1 Channel output. It may read ‘Bitstream’, ‘RAW’ or ‘Digital’.

Connecting a digital sound bar to use Audio Return Channel (ARC)

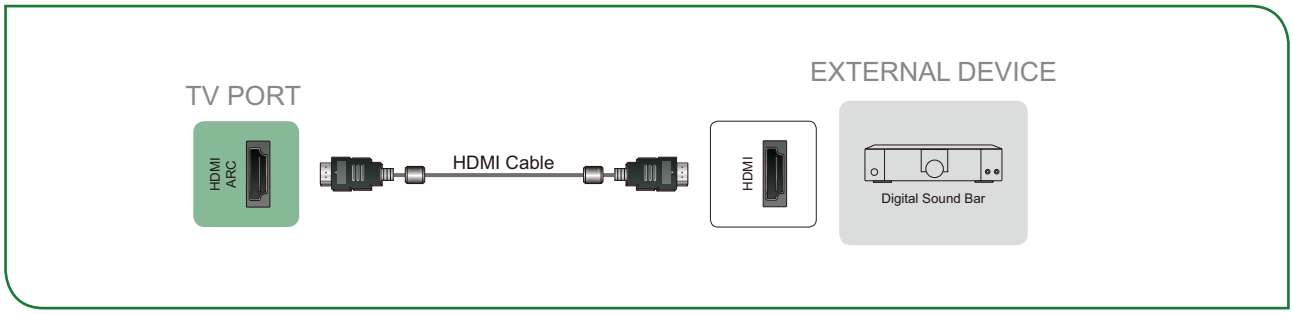
If you'd like to use the Audio Return Channel (ARC) feature to have sound sent from the TV back down an HDMI cable to a digital sound bar, then you will need to connect the cable to the **HDMI / ARC** port. By using this feature, you will also be able to control the sound bar with your TV remote instead of having to use multiple remotes for each device.

To connect a digital sound bar with an HDMI cable (not provided):

1. Connect the cable that's attached to the sound bar to the **HDMI / ARC** port on the TV.
2. Turn on the sound bar by pressing the Power button.
3. Press the **[MENU]** button on your remote and go to **System** > **CEC Function**.
4. Turn on the **CEC Control** setting.
5. Turn on the **Audio Receiver** setting.

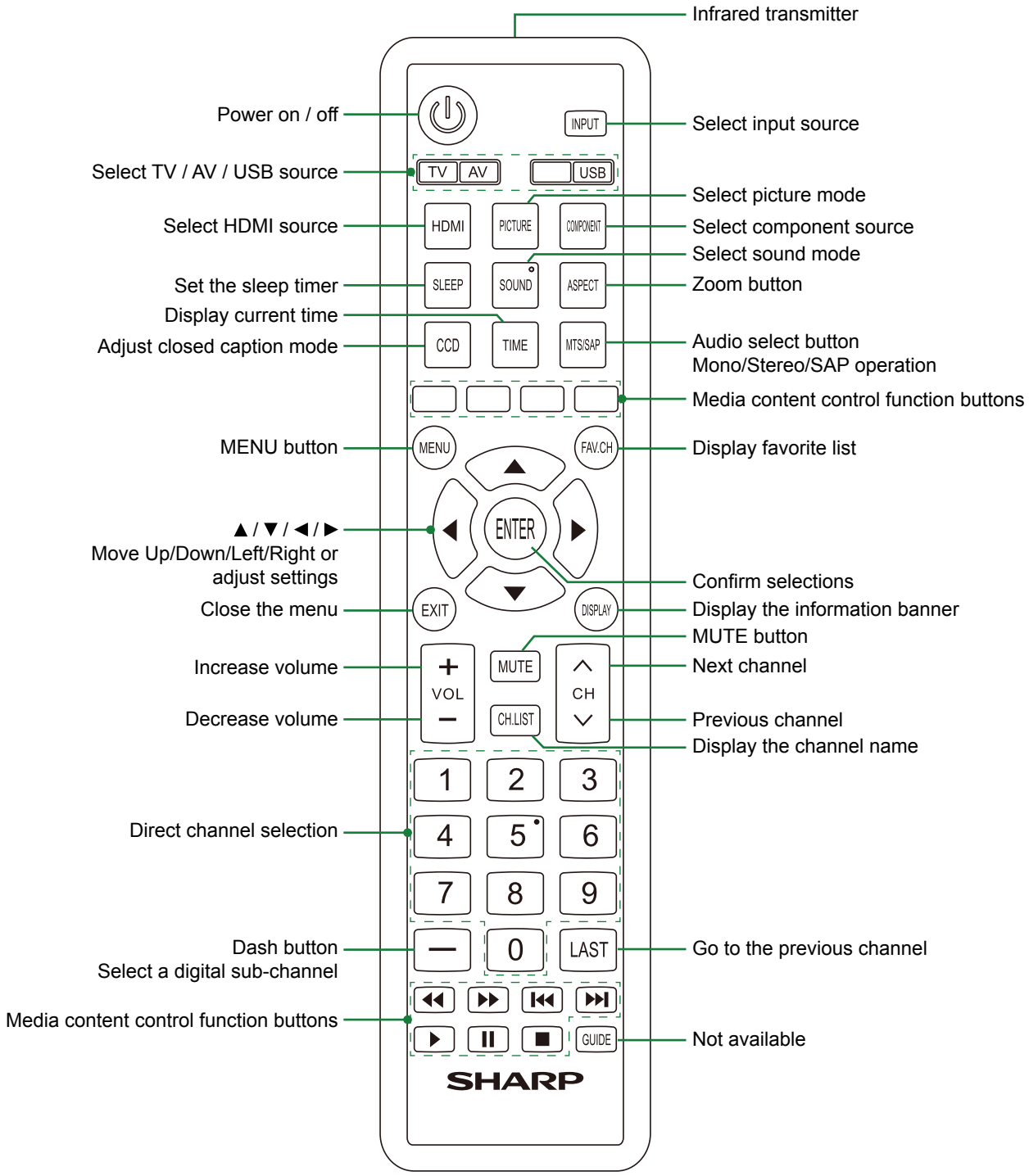
NOTES

- Only digital sound bars that require a wired connection are compatible with the TV.
- If the device has an Input Selector feature then make sure to change it to TV.



Using Your TV Remote Control

Buttons on your TV remote

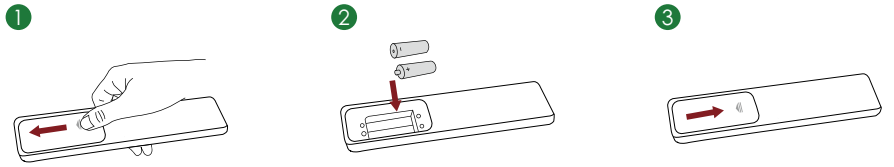


Remote control range information

- The remote control can work at a distance of up to 26 feet in front of the TV set.
- It can work at a 30 degree horizontal or vertical angle.

Begin using your remote

1. Slide the back cover to open the battery compartment of the remote control.



Gently push and slide | Insert the batteries | Gently push and slide

2. Insert two AAA size batteries. Make sure to match the (+) and (-) ends of the batteries with the (+) and (-) ends indicated in the battery compartment.
3. Replace the battery compartment cover.

NOTES

- Discard batteries in a designated disposal area. Do not throw them into a fire.
- Remove old batteries immediately to prevent them from leaking into the battery compartment.
- If you do not intend to use the remote control for a long time, remove the batteries.
- Battery chemicals can cause a rash. If the batteries leak, clean the battery compartment with a cloth. If chemicals touch your skin then wash it immediately.
- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc) or rechargeable (NiCd, NiMH, etc.) batteries.
- Do not continu e using the rem ote if it gets warm or hot.
- Call our Support Center immediately on the SHARP support website.

Program your universal cable or satellite remote control to operate your new SHARP television (only for USA)

If you would like to program your other household remote controls to your new SHARP television,please refer to the User's Manual supplied by your Cable or Satellite provider. The Cable or Satellite providers' User's Manuals should include instructions on how to program their remote to your television.

A list of SHARP codes for the most common Cable and Satellite providers are listed below. Use the SHARP code that is associated with your Cable or Satellite provider (if applicable).

DIRECTV

0178, 10178, 10019, 10748, 11314, 11660, 11710, 11780, 12049, 10171, 11204, 11326, 11517, 11564, 11641, 11963, 12002, 12183

Time Warner Cable

386, 0178, 10178, 400, 450, 461, 456, 0748, 1463, 0463, 10463

Comcast

0178, 10178, 10463, 11463, 10748, 11314, 11660, 10171, 11204, 11326, 11517, 11641, 11780, 11785, 11892, 11963, 12002

Cox Communications

0178, 10178, 1326, 1463

Dish Network

505, 627, 538, 720, 659

If the SHARP code associated with your Cable or Satellite provider is not listed, does not work or you cannot locate the instructions to program your remote, call your local Cable or Satellite provider's customer service center.

If your Cable or Satellite provider does not have a SHARP code available, please contact us.

Using your cable set-top box or satellite receiver remote as a 'Universal' remote

If you prefer to use your Cable Set-top Box or Satellite Receiver Remote as a 'Universal Remote', then visit the Support page to view a list of the codes.

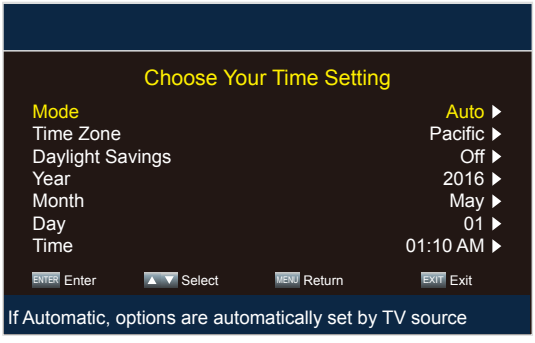
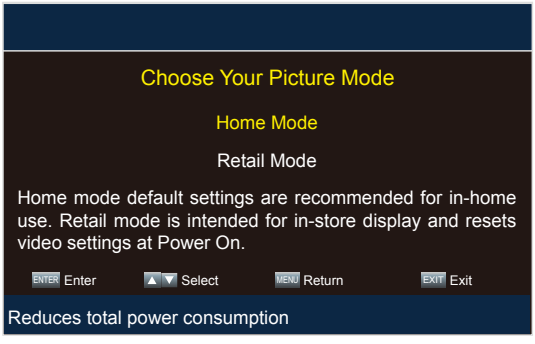
Completing the First-Time Setup Menu

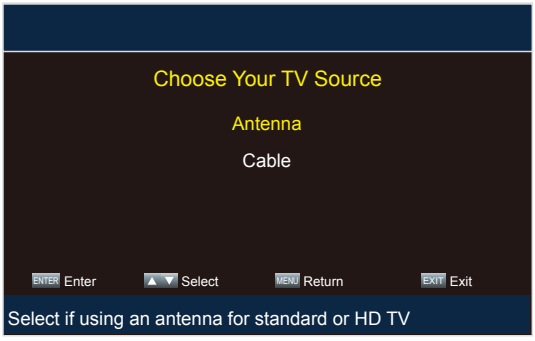
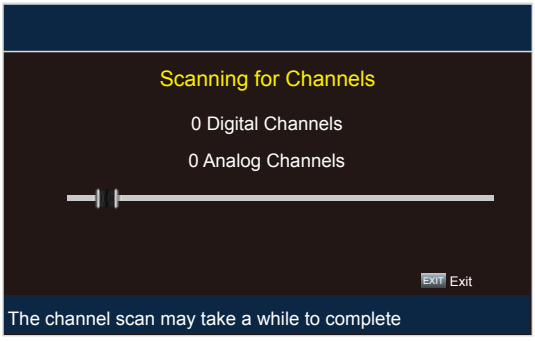
Now that you have attached the TV stand and connected your external devices, it's time to complete the first-time setup menu.

The Setup Wizard menu appears the first time you turn on the TV. It will assist you to specify the menu language, Picture Mode, TV Source and Channel Installation.

NOTE

- Before you get started, make sure that the antenna or cable is connected, batteries are in the remote control, and the power cord is connected.

Screen	Task
	Connect your TV's Power cord to a power outlet, then press power. The initial setup screen opens. Press **[▲ / ▼]** button to select your language, press **[ENTER]** button to confirm.
	Press **[▲ / ▼]** to select your options and press **[◄ / ►]** to set the options. • If Auto selected, the options of Year/Month/Day/Time are not available. • Setting the Time: Press **[◄ / ►]** to select the number you want to set and press **[▲ / ▼]** to set.
	Press **[▲ / ▼]** to select your Picture Mode: Home Mode or Retail Mode, press **[ENTER]** button to confirm. If you select Retail Mode, a message appears "Are you sure you want retail mode?" Select "Yes" to continue, or select "No" to change your selection.

Screen	Task
	Press **[▲ / ▼]** to select your TV Source: Antenna or Cable, press **[ENTER]** button to confirm. • Your TV will automatically start scanning for available channels in your viewing area. • Depending on the reception condition, it may take several minutes to scan channels. Please allow the process to complete without interruption. • If you press **[EXIT]** to exit the scanning, a message appears “Please Run Channel Auto Scan”, scan channels from the menu.
	

Shortcuts Instructions

Selecting the input source

The first time you turn on your TV, you must select the TV signal source. Your TV stores this information, so you do not need to change the TV signal source unless it changes. For example, you change from an outside antenna to cable TV.

To select the input source:

1. Turn on your TV, then press the **[INPUT]** button on the remote. The Input source menu opens.
2. Press **[▲ / ▼]** button to highlight the input source, then press **[ENTER]** button.

Changing Channels / Volume

1. Press the **[CH Λ / V]** on the remote control to change the channel.
2. Press the **[VOL + / -]** on the remote control to adjust the volume.
3. Press the numeric buttons on the remote control to display the corresponding channels.

NOTE

- Changing the channels can also be achieved by directly entering the channel number using the numeric keys on the remote control. If you are entering a two or three digit channel number, the time between key presses should be less than 3 seconds.

Channel search guide

When you select TV as input, if no TV channels were saved before, you will be prompted to do a channel search. Before channel tuning could start, you must specify the Tuner Mode, **Antenna** or **Cable**. You can also go to **Setting** menu > **Channel** to change the channel settings.

Shortcuts Instructions

Picture

Press to set the picture mode. It can be set as Vivid, Standard, Theater, Energy Savings or Custom. This mode achieves a certain image display effect by setting the brightness, contrast and color etc.

Sound

Press to set the sound mode. It can be set as Standard, Theater, Music, Speech and Custom.

Mute

Press to turn the sound off, press this button again to turn the sound back on. This function is used to switch off sound temporarily.

Sleep

It can set the TV to let it enter into the Standby state automatically. Press this button repeatedly to select the proper sleeping clock mode, and the clock tells you the remaining time before the TV enters Standby state.

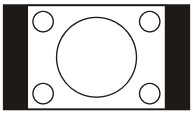
Display

Display the information banner. The information including channel number, channel name, current system time, tuner mode, audio stream, video format, audio language, closed caption mode, parental locks rated, program details, etc.

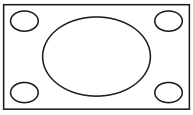
Aspect

Select the screen aspect ratio from Normal, Wide, Auto, Zoom and Cinema.

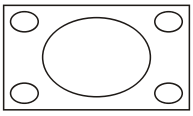
- **Normal:** The original 4:3 aspect ratio (1.33:1 signal) is preserved, so black bars are added to the left and right of the image. Standard TV broadcasts are displayed with a 4:3 aspect ratio.



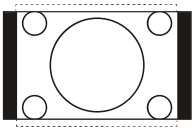
- **Wide:** When watching a standard broadcast or full-frame movie in this mode, the display image is stretched proportionately to fill the TV screen. When watching a widescreen (1.78:1 signal) program or movie, the display image fills the TV screen.



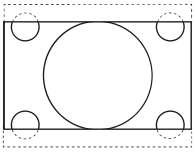
- **Auto:** Automatically adjusts the image based on the screen size and the TV program.



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



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



NOTE

- The aspect ratio varies with different sources.

Basic Settings

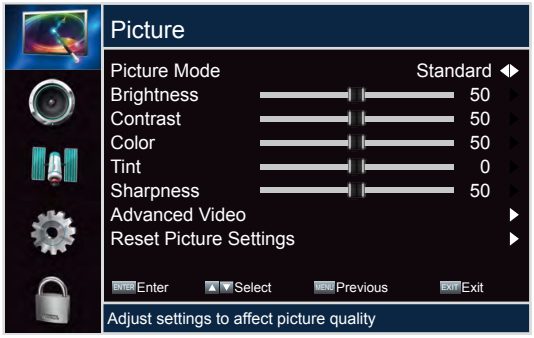
Your SHARP TV comes with many TV setting features to allow you to customize the picture based on your viewing preference and environment.

Using the Menu

1. Press **[MENU]** to open the main menu.
2. Press **[▲ / ▼]** to select a menu option, then press **[► /ENTER]** button to enter the menu.
3. In each menu, you can:

- Press **[▲ / ▼]** to select an item,
- Press **[◄ / ►]** to adjust the value,
- Press **[► /ENTER]** to enter the submenu,
- Press **[MENU]** to back the previous menu.

4. Press **[EXIT]** to exit the menu.

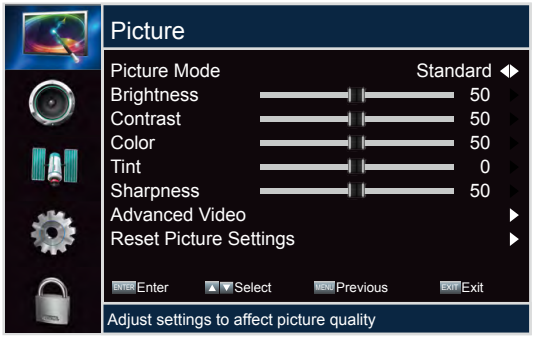


NOTE

- The menus in the user manual may vary slightly from the actual screen.

Picture Menu

You can adjust:



- **Picture Mode:** Adjust the Picture Mode. You can select Vivid, Standard, Theater, Energy Savings or Custom.
- **Brightness:** 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:** 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.
- **Color:** Adjusts the color intensity of the picture. A low setting may make the color look faded. A high setting may make the color look artificial.
- **Tint:** Adjusts the color balance of the picture. Use this control to make skin tones look more natural.
- **Sharpness:** You can increase the sharpness level for clearer images or decrease the sharpness level for smoother images.
- **Advanced Video:** Access advanced video settings such as Backlight, Color Temperature and Noise Reduction.
  - **Dynamic Backlight Control:** Enhances the contrast ratio between light and dark areas of the picture. You can select Off, Low, or High.
  - **Backlight:** Sets the overall brilliance of the screen. When the option of **Dynamic Backlight Control** is turned Low or High, you cannot change the Backlight setting.
  - **Aspect Ratio:** To choose the screen aspect ration from Wide, Cinema, Auto, Normal and Zoom.

    NOTE

    - The Aspect Ratio option is different in different inputs. For more information, see *Shortcuts Instructions on page 12*.
  - **Color Temperature:** Change the color temperature. You can select the color temperature from three options: Cool, Normal or Warm.
  - **Overscan:** Adjusts the picture's reproduction rate. You can select On or Off.

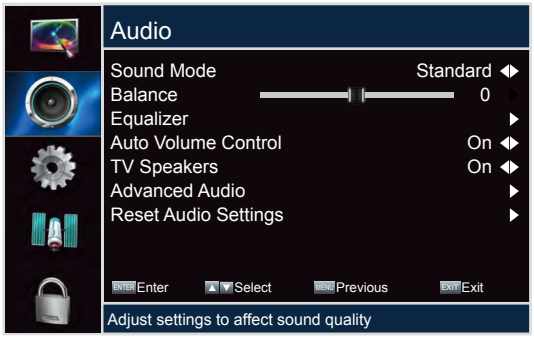
    NOTE

    - Only available in DTV, Component and HDMI(YUV) source.
  - **Noise Reduction:** Select to reduce the noise level of connected equipment: off, Low, Medium and High.
  - **Adaptive Contrast:** Automatically adjusts picture detail and brightness. You can select On or Off.
  - **120Hz Effect:** Inserts frames to reduce judder in fast action scenes. You can select On or Off.

    NOTE

    - Only available in the models that support 120 Hz.
- **Reset Picture Settings:** Resets all Picture Settings to the factory defaults.

Audio Menu



You can adjust:

- **Sound Mode:** Select the Sound Mode: Standard, Theater, Music, Speech or Custom.
- **Balance:** Adjust the volume of the left and right speakers.
- **Equalizer:** Soften or enhance the sound at specific frequency points.
- **Auto Volume Control:** Automatically adjusts volume to a consistent level; attenuates loud passages.
- **TV Speakers:** Selects where to play TV audio. You can select On (default setting) to play audio through TV speakers, or select Off to play audio through the speakers on an external audio system.
- **Advanced Audio Settings:** Access Advanced Audio settings such as Digital Audio Out, MTS / SAP, Audio Language.
  - **Digital Audio Out:** Send digital audio to an external audio system. You can select PCM or RAW.

    PCM: PCM outputs two channel audio regardless of the input format.

    RAW: When the data stream carries Dolby signal, digital SPDIF outputs Dolby data stream. When the data stream carries no Dolby signal, it transports PCM data stream.
  - **MTS / SAP :** Select the default audio stream, you can select Mono, Stereo or SAP (Second Audio Program).

    Mono: Select this option if there is noise or static on weak stereo broadcasts.

    Stereo: Select this option for programs broadcast in stereo.

    SAP: Depending on the particular program being broadcast, you can listen to a foreign-language translation.

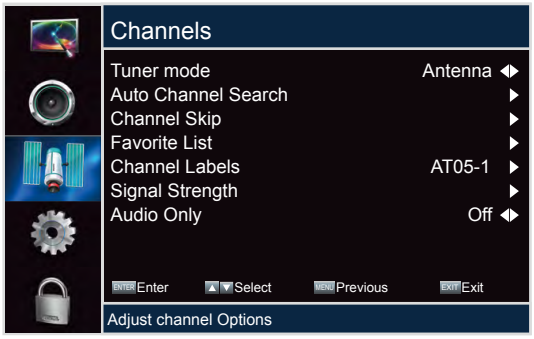
  NOTE

  - Only available in Analog channels.
  - **Audio Language:** Change the default value for audio language.

  NOTE

  - Only available in Digital channels.
- **Reset Audio Settings:** Resets all audio settings to the factory defaults.

Channels Menu



You can adjust:

- **Tuner Mode:** Select the TV signal source. You can select Antenna or Cable.
- **Auto Channel Scan:** Scans for channels that have signals and stores the channels information in memory.
  - **Digital Channels:** The scanned TV program in digital signals.
  - **Analog Channels:** The scanned TV program in analog signals.
- **Channel Skip:** You can hide channels in the channel list. Press **[▲ / ▼]** to select the channels you want to hide and press **[ENTER]** to confirm.

NOTE

- When you press **[CH Λ / V]** (or **[CH + / -]**) button, your TV skips the hidden channels. You can still tune to the channel by pressing the number buttons on the remote control.

- **Favorite List:** Display your Favorite List. You can add or delete channels to create your favorite list.
- **Channel Labels:** Change the channel name. Press **[◄ / ►]** to select the character you want to change, then press **[▲ / ▼]** to set the character.
- **Signal Strength:** You can check the digital signal strength to determine if you need to adjust your antenna or digital cable input.

NOTE

- Only available in Digital channels.

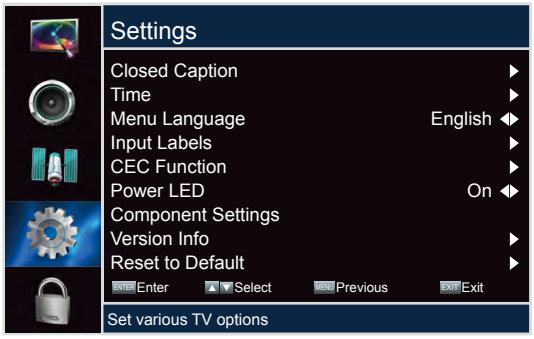
- **Audio Only:** Turn off the screen and only listen to the audio of a program.

NOTES

- Audio Only works when the input source is TV and you are receiving a broadcast signal.
- To exit audio only mode, press any button. When you exit audio only mode, the Audio Only option is automatically reset to Off.

Settings Menu

You can adjust:



- **Closed Caption:** Adjust Closed Caption settings.
  - **Caption Control:** To select CC Off (turns off closed caption), CC On (turns on closed caption), or CC on when Mute (turns on closed caption when the sound is muted).
  - **Analog Caption:** Select an Analog Caption setting from CC1~CC4, TEXT1~TEXT4, Off.
  - **Digital Caption:** Select a Digital Caption setting: Service1 ~ Service6, Off.
  - **Digital Caption Settings:** 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, opacity, background color etc.
- **Time:** Access Time settings such as Time Zone, Date / Time, Sleep Timer.
  - **Time Zone:** Select your local time zone: Pacific, Alaska, Hawaii, Newfoundland, Atlantic, Eastern, Central and Mountain.
  - **Daylight Savings:** Press **[▲ / ▼]** to highlight Daylight Savings, then press **[◄ / ►]** to select On (if your viewing area observes Daylight Savings Time) or Off (if your viewing area does not observe Daylight Savings Time).
  - **Date / Time:** You can set time manually or select automatic if the TV is connected to an antenna or cable source.

    Auto synchronization: Select Manual (to set the date and time manually) or Auto (to set the date and time automatically from a TV signal source based on the time zone you select).

    If you selected Manual, set the following options.

    Date: Set the current year / month / day.

    Time: Set the current time.
  - **Sleep Timer:** Specify the amount of time before your TV automatically turns off.
- **Menu Language:** You can select the menu language to English, Spanish or French.
- **Input Labels:** Press **[▲ / ▼]** to select the Input Source that you want to label and then press **[►]** to move to the custom label field. Press **[▲ / ▼]** to select the character that you prefer. After you have completed the label, the next time you press INPUT, your label will appear in the Input Source list.
- **CEC Function:** CEC Function lets you control HDMI CEC-compatible devices connected to the HDMI ports on your TV using the remote control that came with your TV. To use CEC Function, you must set the CEC Control setting to On.
  - **CEC Control:** Turning CEC function on or off.
  - **Device Auto Power Off:** When HDMI-CEC is turned on, Device Auto Power Off turns off HDMI CEC devices when you turn off your TV.
  - **TV Auto Power On:** When CEC is turned on and you turn on an HDMI CEC device, TV Auto Power On turns on your TV automatically.
  - **Audio Receiver:** When CEC is turned on and you have connected an audio receiver to your TV, turning on Audio Receiver lets you use your TV's remote control to control the volume on the audio receiver.
  - **CEC Device Lists:** You can display a list of HDMI CEC devices that are connected to your TV and select the source you want.
  - **Connect:** Connect to the current CEC devices.
  - **Root Menu:** You can use your TV remote to control a CEC-compatible device when you open the root menu.

NOTES

- HDMI cables must be used to connect HDMI CEC-compatible devices to your TV.
- The HDMI CEC feature of the connected device must be turned on.
- If you connect an HDMI device that is not HDMI CEC-compatible, all the CEC Control features do not work.
- Depending on the connected HDMI device, the CEC Control feature may not work.

- **Power LED:** To turn on or off the standby indicator.
- **Component Settings:** You can adjust the horizontal distortion that may occur when watching video from a component video device.
  - **Phase:** Minimizes horizontal distortion.
  - **Reset Component Settings:** Resets all component video settings to factory mode.

NOTE

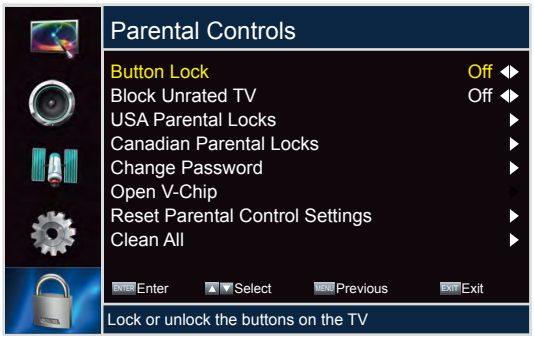
- Only available in Component mode.

- **Version Info:** Display the software version information.
- **Reset to Default:** This feature will restore the TV back to the original factory settings.

Parental Controls Menu

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

You can adjust:



- **Button Lock:** Block or unblock the button of the TV.
- **Block Unrated TV:** Block unrated TV programs.
- **USA Parental Locks:** Restrict movie and TV programs for USA Ratings.
- **Canadian Parental Locks:** Restrict movie and TV programs for Canadian Ratings.
- **Change Password:** If you want to change the default password, first enter the new password then enter the same password again.
- **Open V-Chip:** Display an advanced V-Chip ratings table for digital channels (USA only).
- **Reset Parental Control Settings:** Resets all parental control settings to factory mode.
- **Clean All:** Reset all your settings to factory mode.

Following is the description of these ratings.

U.S. TV Ratings

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

Content	Defined as
ALL	All of the ratings below that rating set blocked automatically
D	Suggestive dialogue
L	Strong language
S	Sexual situations
V	Violence
FV	Fantasy Violence

U.S. Movie Ratings

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

Canadian English Ratings

Rating	Defined as
C	Children
C8+	Children 8 years and older
G	General programming, suitable for all audiences
PG	Parental Guidance
14+	Viewers 14 years and older
18+	Adult Programming

Canadian French Ratings

Rating	Defined as
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

NOTE

- As you block ratings, all ratings higher than those that you selected are blocked too. For example, if you choose to block the MPAA rating R, then the higher ratings (NC-17 and X) are also automatically blocked.

Media

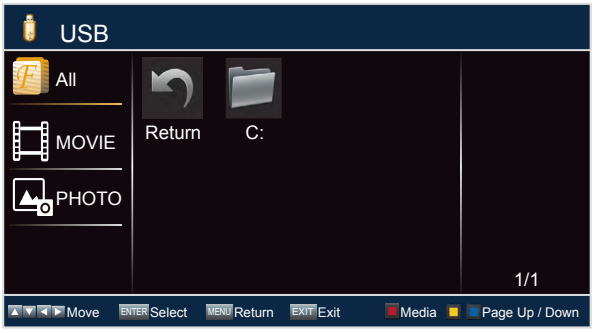
Digital Media player

Please note that SHARP will not assume any responsibility for any lost data and cannot guarantee perfect compatibility with all mass storage devices. Be sure to insert the USB flash drive into the USB 2.0 port. Data Input from USB Memory Stick only. Do not connect any device to this terminal such as digital camera, keyboard, mouse, etc.

NOTE

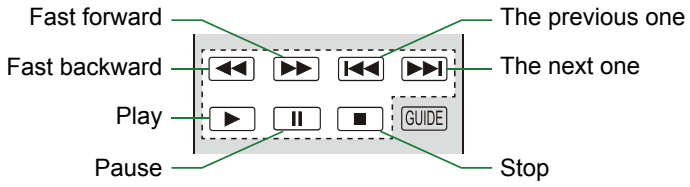
- Never remove the USB flash drive or turn off your TV while viewing video / photo.

- Press **[INPUT]** button to display the INPUT menu, press **[▲ / ▼]** button to highlight the USB source, then press **[ENTER]** button to confirm. (If you want to exit DMP, you can press **[INPUT]** button to switch to other sources).
- Press **[RED]** button to switch the media type.
- Press **[YELLOW / BLUE]** button to turn to the previous / next page.



Media content control function buttons

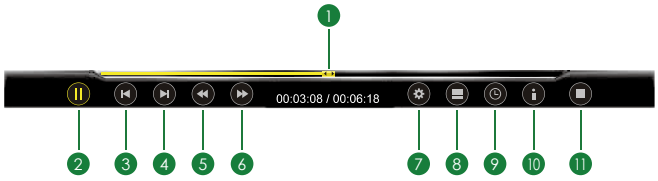
When viewing video / photo, you can press these buttons on the remote control to control video / photo.



Enjoy Movie Files

1. Press **[RED]** button to switch the media type to MOVIE.
2. Press **[▲ / ▼ / ◄ / ►]** to select the movie you want to view.
3. Press **[ENTER]** to play the movie.
4. Press **[EXIT]** to exit the video and return to the previous directory.
5. When enjoying the video, press **[MENU]** button to display / exit the tool bar. Press **[► /ENTER]** to enter the submenu and press **[EXIT]** to return to the upper menu.
6. Press **[ASPECT]** button one or more times to enlarge the image by Wide and Normal.

Tool bar

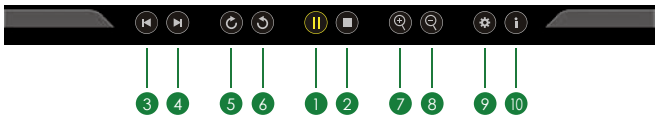


1. Progress bar.
2. Play / Pause the video.
3. Play the previous video.
4. Play the next video.
5. Fast backward. Press **[ENTER]** to select the backward speed.
6. Fast forward. Press **[ENTER]** to select the forward speed.
7. Options. Adjust Repeat Mode, Zoom Mode, Audio Track, and Subtitle.
8. Play list. You can select the video you want to view, then press **[ENTER]** to play.
9. Select time to play. Press **[◄ / ►]** to select the position you want to set, press **[0~9]** to set the time (or press **[▲ / ▼]** to adjust it), then press **[ENTER]** to confirm and the video will to play at the time you have set.
10. Video Info. Displays details on image resolution, audio and video code, subtitle, audio track, program and time.
11. Stop playback.

Browse the Photos

1. Press **[RED]** button to switch the media type to PHOTO.
2. Press **[▲ / ▼ / ◄ / ►]** to select the photo you want to view.
3. Press **[ENTER]** to browse the photo.
4. Press **[EXIT]** to return to the previous directory.
5. When browsing photos, press **[MENU]** button to display / exit the tool bar. Press **[► /ENTER]** to enter the submenu and press **[EXIT]** to return to the upper menu.

Tool bar



NOTE

- The menu will change while you are browsing through or pausing your photos.

1. Play / Pause the photo.
2. Stop browsing the photo.
3. Browse the previous photo.
4. Browse the next photo.
5. Allows the photo to rotate 90 degrees clockwise.
6. Allows the photo to rotate 90 degrees anti-clockwise.
7. Zoom in the photo.
8. Zoom out the photo.
9. Options. You can adjust Show Speed.
10. Photo Info. Allows you to view the photo information.

NOTES

- This TV will only recognize a USB Memory Stick.
- Do not use a USB hub or an extension cable to connect an external hard disk drive to the unit. (Not supported)
- Always insert a USB Memory Stick directly into the USB port.
- A USB Memory Stick is not supplied with this unit.
- We do not guarantee that all USB Memory Sticks can be supported by this unit.
- Be sure to keep a backup copy of the original files on your device before you play them back on this unit. We have no responsibilities for damage or loss of your stored data.
- To protect your USB Memory Stick files from being erased place the write protect sliding tab in the protect position.
- When you are ready to remove a USB Memory Stick, set the unit to go into Standby mode to avoid any damage to your data and the unit.
- A USB Memory Stick that requires its own driver or the device with a special system such as fingerprint recognition are not supported.
- This unit is not allowed to use the USB Memory Stick which requires an external power supply (500mA or more).

Playable Format List

Video Support List

File Extension	Container	Video Codec	Spec	Bitrate (bps)
mpg, mpeg	MPG, MPEG	MPEG2 MP@HL	1080p@60fps	50M
vob	MPEG-PS	MPEG2 MP@HL	1080p@60fps	50M
mkv	MKV	MPEG2 MP@HL	1080p@60fps	50M
avi	AVI	MPEG2 MP@HL	1080p@60fps	50M

Audio Support List

Audio Codec	File Extension	Bitrate
AC3	N/A (work with video files only)	32Kbps ~ 640Kbps (Bitrate) 32KHz, 44.1Khz, 48KHz (Sampling rate)
MPEG1 / 2 Layer 1	“N/A (work with video files only)”	“32Kbps ~ 448Kbps (Bitrate) 16KHz ~ 48KHz (Sampling rate)”
MPEG1 / 2 Layer 2	“N/A (work with video files only)”	“8Kbps ~ 384Kbps (Bitrate) 16KHz ~ 48KHz (Sampling rate)”
MPEG1 / 2 Layer 3	N/A (work with video files only)	8Kbps ~ 320Kbps (Bitrate) 16KHz ~ 48KHz (Sampling rate)

Quick Problem-Solving Tips

When you experience an issue with your TV, turn it off and on again. If this does not resolve the problem, then refer to the tips below. If the problem is still not resolved, then contact us.

ISSUES	POSSIBLE SOLUTIONS
No sound or picture	• Check if the power cord is plugged into a powered AC outlet. • Press the **[⏻]** button on the remote control to activate the unit from 'Standby' mode. • Check to see if the LED light is on or not. If it is, then the TV is receiving power.
I have connected an external source to my TV and I get no picture and/or sound	• Check for the correct output connection on the external source and for the correct input connection on the TV. • Make sure you have made the correct selection for the input mode for the incoming signal.
When I turn on my TV, there is a delay for a few seconds before the picture appears. Is this normal?	• Yes, this is normal. The TV is initializing and searching for previous setting information.
The picture is normal but there is no sound	• Check the volume settings. • Check if 'Mute' mode is set to On.
Sound but no picture or black and white picture	• If the picture is black and white, unplug the TV from the AC outlet and replug it after 60 seconds. • Check that the Color is set to 50 or higher. • Try different TV channels.
The sound and/or picture is distorted or appears wavy	• An electric appliance may be affecting the TV. Turn off any appliances that are nearby and move it farther away from the TV. • Insert the power plug of the TV set into another power outlet.
The sound and picture is blurry or cuts out	• If using an external antenna, check the direction, position and connection of the antenna. • Adjust the direction of your antenna or reset or fine tune the channel.
A horizontal or vertical stripe appears on the picture and/or the picture is shaking	• Check if there is an appliance or electric tool nearby that is causing interference.
The plastic cabinet makes a "clicking" type of sound	• The 'click' sound can occur when the temperature of the television changes. This change causes the television cabinet to expand or contract, which makes the sound. This is normal and the TV is OK.
The remote control does not work	• Confirm that TV still has power and is operational. • Change the batteries in the remote control. • Check if the batteries are correctly installed.

NOTE

- For usage in Mexico , operation of this equipment is subject to the following two conditions : 1) it is possible that this device doesn't cause any detrimental interference and 2) this device must take any kind of interference, including that which may cause its malfunctioning.