

**LCD TV**  
(LED BACKLIGHT)



## Owner's Manual

**ES** Manual del Propietario

**FW32C10KM**

**FW40C40KM**



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**NOTICE**  
Only for Mexico

For use in Mexico, the operation of this equipment is subject to the following two conditions.

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

**READ THIS INSTRUCTION CAREFULLY BEFORE USING YOUR TELEVISION.**

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• Displays and illustrations may differ depending on the product you purchase.

## Know these **safety** symbols



The caution marking is located on the rear or bottom of the cabinet.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the apparatus's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the apparatus.

**WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

**CAUTION:** To prevent electric shock, match wide blade of plug to wide slot, fully insert.

**ATTENTION:** Pour éviter les choc électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

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## CHILD SAFETY: PROPER TELEVISION PLACEMENT MATTERS

### THE CONSUMER ELECTRONICS INDUSTRY CARES

- Manufacturers, retailers and the rest of the consumer electronics industry are committed to making home entertainment safe and enjoyable.
- As you enjoy your television, please note that all televisions – new and old- must be supported on proper stands or installed according to the manufacturer's recommendations. Televisions that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests, carts, etc., may fall over, resulting in injury.

### TUNE IN TO SAFETY

- **ALWAYS** follow the manufacturer's recommendations for the safe installation of your television.
- **ALWAYS** read and follow all instructions for proper use of your television.
- **NEVER** allow children to climb on or play on the television or the furniture on which the television is placed.
- **NEVER** place the television on furniture that can easily be used as steps, such as a chest of drawers.
- **ALWAYS** install the television where it cannot be pushed, pulled over or knocked down.
- **ALWAYS** route cords and cables connected to the television so that they cannot be tripped over, pulled or grabbed.

### WALL OR CEILING MOUNT YOUR TELEVISION

- **ALWAYS** contact your retailer about professional installation if you have any doubts about your ability to safely mount your television.
- **ALWAYS** use a mount that has been recommended by the television manufacturer and has a safety certification by an independent laboratory (such as UL, CSA, ETL).
- **ALWAYS** follow all instructions supplied by the television and mount manufacturers.
- **ALWAYS** make sure that the wall or ceiling where you are mounting the television is appropriate. Some mounts are not designed to be mounted to walls and ceilings with steel studs or cinder block construction. If you are unsure, contact a professional installer.
- Televisions can be heavy. A minimum of two people is required for a wall or ceiling mount installation.

### MOVING AN OLDER TELEVISION TO A NEW PLACE IN YOUR HOME

- Many new television buyers move their older CRT televisions into a secondary room after the purchase of a flat-panel television. Special care should be made in the placement of older CRT televisions.
- **ALWAYS** place your older CRT television on furniture that is sturdy and appropriate for its size and weight.
- **NEVER** place your older CRT television on a dresser where children may be tempted to use the drawers to climb.
- **ALWAYS** make sure your older CRT television does not hang over the edge of your furniture.

# Important Safety Instructions

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 manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Only use attachments / accessories specified by the manufacturer.
11. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart / apparatus combination to avoid injury from tip-over.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.

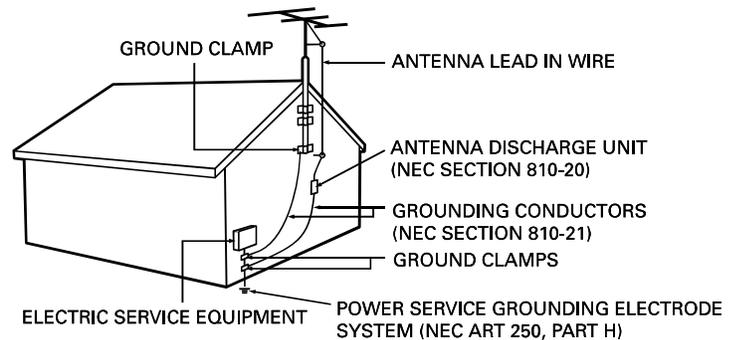


13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate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

## Note to the CATV system installer:

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

## Example of Antenna Grounding as per NEC - National Electric Code



### Wall Mount Bracket Kit

Model	Screw dimension
FW32C10KM	M4 x 12mm
FW40C40KM	M4 x 12mm

- The recommended Wall Mount Bracket Kit (sold separately) allows the mounting of the TV on the wall.
- For detailed information on installing the wall mount, refer to the Wall Mount Instruction Book.
- P&F Mexicana is not responsible for any damage to the product or injury to yourself or others if you elect to install the TV Wall Mount Bracket or mount the TV onto the Bracket on your own.
- The Wall Mount Bracket must be installed by experts.

### P&F Mexicana is not liable for these types of accidents or injuries noted below.

- Install the Wall Mount Bracket on a sturdy vertical wall.
- If installed onto a ceiling or slanted wall, the TV and Wall Mount Bracket may fall which could result in a severe injury.
- Do not use screws that are longer or shorter than their specified length. If screws too long are used this may cause mechanical or electrical damage inside the TV set. If screws too short are used this may cause the TV set to fall.
- Do not fasten the screws by excessive force. This may damage the product or cause the product to fall, leading to an injury.
- For safety reasons use 2 people to mount the TV onto a Wall Mounting Bracket.
- Do not mount the TV onto the Wall Mounting Bracket while your TV is plugged in or Turned On. It may result in an electrical shock injury.

### When installing the unit on the wall, allow this much space.

Top:	11.8 inches (30cm)
Left and right side:	5.9 inches (15cm)
Bottom:	3.9 inches (10cm)

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## Pixel characteristics

This LCD product has a high number of color pixels. Although it has effective pixels of 99.999% or more, black dots or bright points of light (red, green or blue) may appear constantly on the screen. This is a structural property of the display (within common industry standards) and is not a malfunction.

## Warranty

No components are user serviceable. Do not open or remove covers to the inside of the product. Repairs may only be done by Service Centers and official repair shops. Failure to do so shall void any warranty, stated or implied.

Any operation expressly prohibited in this Owner's Manual, any adjustments or assembly procedures not recommended or authorized in this Owner's Manual shall void the warranty.

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The American Academy of Pediatrics discourages television viewing for children younger than two years of age.

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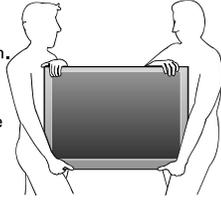


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## 2 Important

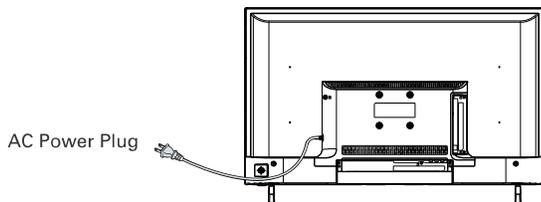
### Positioning the TV

- Large screen TVs are heavy. 2 people are required to carry and handle a large screen TV.
- Make sure to hold the upper and bottom frames of the unit firmly as illustrated.
- Install the unit in a horizontal and stable position.
- Do not install the unit in direct sunlight or in a place subject to dust or strong vibration.
- Depending on the environment, the temperature of this unit may increase slightly. This is not a malfunction.
- When installing this unit in a temperate environment, avoid a place with rapid temperature changes.
- This unit should not be used in a tropical environment as it has not been evaluated under such conditions.
- No objects should be placed directly on or under this unit, especially lighted candles or other flaming objects.
- Depending on your external devices, noise or disturbance of the picture and / or sound may be generated if the unit is placed too close to them. In this case, please ensure enough space between the external devices and the unit.
- Do not insert the AC power cord into the power socket outlet before all the connections are made.
- Ensure that you always have easy access to the AC power cord and outlet to disconnect the TV from the AC outlet.
- Before you move the TV, disconnect attached cables to prevent damage to connectors, especially the TV tuner.
- Be sure to unplug the AC power plug from the AC outlet before moving or carrying the unit.
- When moving the TV and then setting it down, please be careful not to pinch the AC power cord under the unit.



### Regulatory Notices

Do not place the unit on the furniture that is capable of being tilted by a child and an adult leaning, pulling, standing or climbing on it. A falling unit can cause serious injury or even death. In order to avoid interruption of ventilation, this unit should not be placed in built-in equipment such as a book cabinet, rack, etc., and the vents of this unit should not be covered with anything such as a tablecloth, curtain, newspaper, etc. Make sure that there is enough ventilation space (4" / 10 cm or more) around this unit. Press  to turn the unit on and go into standby mode. To completely turn off the unit, you must unplug the AC power plug from the AC power outlet. Disconnect the AC power plug to shut the unit off when trouble is found or not in use. The AC plug shall remain readily available.



Never use a gas duster on this TV. The gas trapped inside of this Unit may cause ignition and explosion.

- CAUTION:** Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- WARNING:** Batteries (battery pack or battery installed) shall not be exposed to excessive heat such as sunshine, fire or the like.
- WARNING:** To prevent injury, this apparatus must be securely attached to the furniture / wall in accordance with the instructions. Tipping, shaking or rocking the unit may cause injury / death.

## Environmental Care



The packaging of this product is intended to be recycled. Contact your local authorities for information about how to recycle the packaging.

For product recycling information, please visit - [sanyo-av.com](http://sanyo-av.com)

Click on



### End of Life Directives

SANYO pays a lot of attention to produce environmental-friendly products in green focal areas. Your new TV contains materials which can be recycled and reused. At the end of its life, specialized companies can dismantle the discarded TV to concentrate the reusable materials and to minimize the amount of materials to be disposed of. Please ensure you dispose of your old TV according to local regulations.

#### Disposal of used batteries

The batteries supplied do not contain the heavy metals mercury and cadmium, however in certain localities, disposing batteries with household waste is not permitted. Please ensure you dispose of batteries according to local regulations.

# 3 Getting Started

## Features

- **DTV / Analog TV / CATV**  
You can use your Remote Control to Select channels which are Broadcast in Digital format and conventional Analog format. Also, Cable subscribers can access their TV channels.
- **Information display**  
You can display on the TV screen the Title, contents (DTV only) and other information on the current Program.
- **Autoprogram**  
This Unit Automatically scans and memorizes channels available in your area, Eliminating difficult Setup procedures.
- **Apps**  
This unit lets you enjoy Internet services. Use the remote control to browse the Apps pages. You can play movies and much more, all from your TV screen.
- **Closed Caption decoder**  
Built-in Closed Caption decoder displays text for Closed Caption supported Programs.
- **MTS / SAP tuner**  
Audio can be selected from the Remote Control.
- **Auto Standby**  
If there is No Input Signal and No Operation for 15 minutes, the Unit will go into Standby mode Automatically.
- **Sleep Timer**  
You can set the Unit to go into Standby mode after a specific amount of time.
- **Choices for On-screen language**  
Select your On-screen language: English, Spanish or French.
- **Stereo sound function**
- **PLL frequency synthesized tuning**  
Provides free and easy channel selection and lets you tune directly to any channel using the number and decimal point "■" keys on the Remote Control.
- **Various adjustments for Picture and Sound**  
Customizes picture quality suitable for your room and sets your sound preference.
- **Link-CEC via HDMI link**  
Link-CEC allows your other HDMI link devices to be controlled by the HDMI cable connected to your TV.
- **HDMI Input**
- **HDMI-DVI Input**  
If your Video Device has a DVI Output jack, use an HDMI-DVI Conversion Cable to connect the Unit.
- **AV Input**  
Audio and Video Input from an External Device.
- **USB terminal**  
The Picture, Music and Video files stored on a USB Memory Stick can be played back on this unit.
- **Digital Audio Output**
- **Headphone Audio Output**  
Headphone 3.5mm Stereo jack for personal listening.

## Supplied Accessories

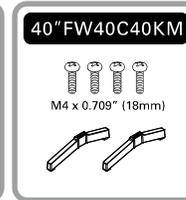
Addendum sheet



Safety instructions



Quick Start Guide



**Remote Control and Batteries**  
3Vcc (2 x 1.5Vcc, Tipo "AAA")



### Note(s)

- If you lose the Screws, please purchase the above-mentioned Phillips head Screws at your local store.
- If you need to replace these accessories, please refer to the part name or No. with the illustrations and call our toll free customer support line found on the cover of this User Manual.

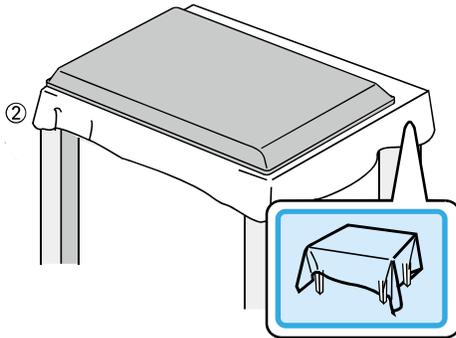
#### When using a Universal Remote Control to operate this Unit.

- Make sure the component code on your Universal Remote Control is set to our brand. Refer to the instruction book accompanying your Remote Control for more details.
- We Do Not guarantee 100% interoperability with All Universal Remote Controls.

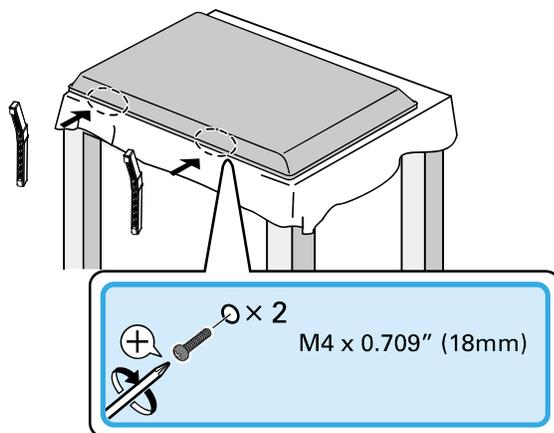
## Attaching the Base

You must attach the base to the Unit to have it as a table top Unit. Be sure the front and rear of the base match the proper direction. For large screen TVs, at least 2 people are required for these steps.

1



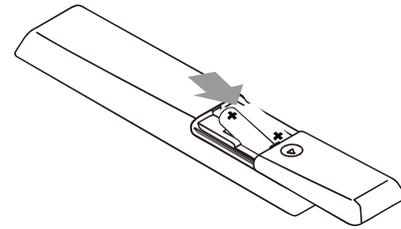
2



### Note(s)

- Make sure to use a table which can support the weight of this Unit and is larger than this Unit.
- Make sure the table is in a stable location.
- When attaching the base, ensure that All Screws are tightly fastened. If the base is not properly attached, it could cause the Unit to fall, resulting in injuries as well as damage to the Unit.
- To remove the base from this Unit, unscrew the Phillips head screws by reversing the procedure. Be careful not to drop the base when you remove it.

## Installing the Remote Control Batteries



- 1 Slide the battery cover off the back of the Remote Control.
- 2 Insert 2 Supplied Batteries 3Vcc (2 x 1.5Vcc, Tipo "AAA"). Be sure the + and - ends of the Batteries line up with the markings inside the case.
- 3 Slide the cover back into position.

### Note(s)

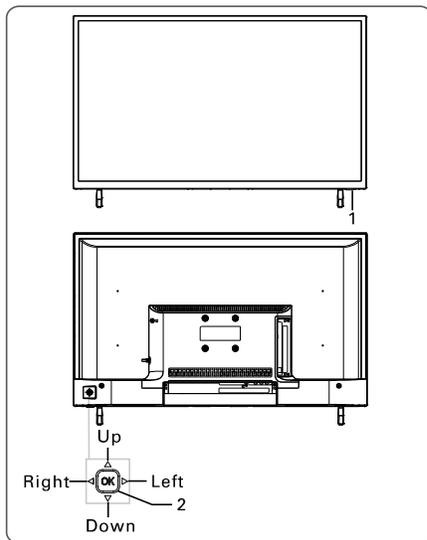
- Remove the Batteries if not using the Remote Control for an extended period of time.

## Remote Control



Keys	Function
Power (⏻)	Switch between working and standby status.
Mute (🔇)	Turn on/off the sound.
0-9 (Number keys)	Select the channel or input numbers.
CH LIST	Show channel list.
-	Use with 0-9 to select digital sub channels.
YouTube	Open YouTube application.
SOURCE	Show input source menu.
prime video	Open prime video application.
NETFLIX	Open Netflix application.
Home (🏠)	Open Home menu.
Menu (☰)	Open Setup menu.
◀, ▶, ▲, ▼	Select items or adjust values.
OK	Confirm the operation.
Return (↶)	Return to previous menu page, or Return to previous channel.
Exit (🚪)	Exit Setup menu or application
Red key	Use these keys according to the directions on-screen.
Green key	
Yellow key	
Blue key	
INFO	Show information bar.
VOL+/-	Adjusts the volume
CH+/- (▲CH▼)	Select a channel in the channel list.
CC	Closed Caption.
MTS	ATV:select NICAM mode. DTV:select audio language.
16:9	Adjusts the picture size on theTV screen.
◀◀ Rewind	Used for operations of multimedia functions in smart mode.
▶▶ Fast forward	
◀◀ Skip back	
▶▶ Skip forward	
▶ Playback	
Pause	
■ Stop	

## Control Panel



1. Power LED indicator and remote receiving window.
2. Rocker button combination key:

Power on or standby with **OK** rocker:

- ①. When Plugged power cord into the electrical socket, you can press **OK** rocker to turn on the TV.
- ②. In power on state, press **OK** rocker to display the function menu, then move rocker **Left/Right** to select **⏻** and press **OK** rocker to switch to standby mode.

After turn on the TV, Press **OK** Rocker:

- ①. In non-OSD menu operation, press **OK** rocker to display the function menu which includes 4 sorts.
- ②. During the menu operation, press **OK** rocker to confirm the operation and the function is the same as **[OK]** key on the remote control.

Move rocker **Left/Right**:

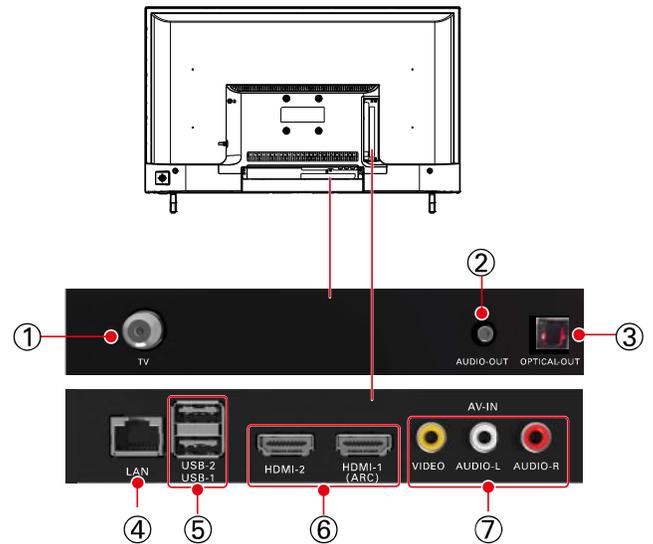
- ①. In non-OSD menu operation, move rocker **Left/Right** to decrease/increase the volume, the function is the same as **[VOL+]/[VOL-]** key on the remote control.
- ②. In OSD menu operation, move rocker **Left/Right** to adjust the analog value of selected item, the function is the same as **[◀]/[▶]** key on the remote control.

Move rocker **Up/Down**:

- ①. In non-OSD menu operation, move rocker **Up/Down** to select the channel, the function is the same as **[CH^]/[CH v]** key on the remote control.
- ②. In OSD menu operation, move rocker **Up/Down** to select the adjustment items, the function is the same as **[▲]/[▼]** key on the remote control.

**Note:** Different models may have different appearances; please refer to the actual device.

## Terminals



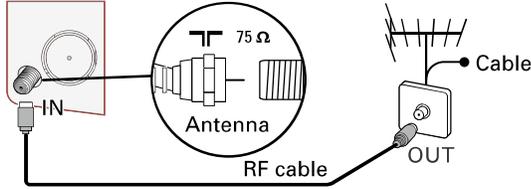
- ① **75 ohm Cable / Antenna connection**  
Signal Input from an Antenna or Cable.
- ② **Audio output**  
This interface connects the speaker device.
- ③ **Digital Audio Output jack**  
Digital Audio (S/PDIF) Output to home theaters and other Digital Audio systems.
- ④ **Ethernet port**  
For Internet connection using an Ethernet Cable with an RJ-45 connector.
- ⑤ **USB terminal**  
Data Input from USB Memory Stick .
- ⑥ **HDMI Input jack(s)**  
Digital Audio and Video Input from high definition Digital devices such as DVD / Blu-ray disc players, Cable / PC's, etc.  
\* For HDMI 1 only  
In addition to normal HDMI and HDMI-DVI functionality, it outputs TV Audio to an HDMI-ARC-compliant device, such as a home theater system.
- ⑦ **Audio and video input**  
Digital Audio and Video Input from high definition Digital devices such as DVD / Blu-ray disc players, Cable, recreational machines, etc.

## Connecting Antenna or Cable / IPTV Set-top Box

Be sure your Antenna or another Device is connected properly before plugging in the AC Power Cord.

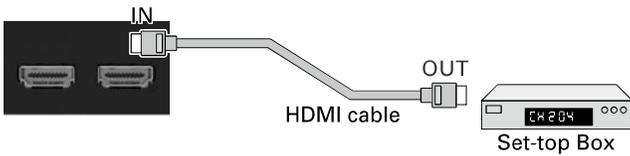
### If connecting to an Antenna through an RF cable

Any DTV Programs that are Broadcast in your area can be received for free through an Antenna Connection.



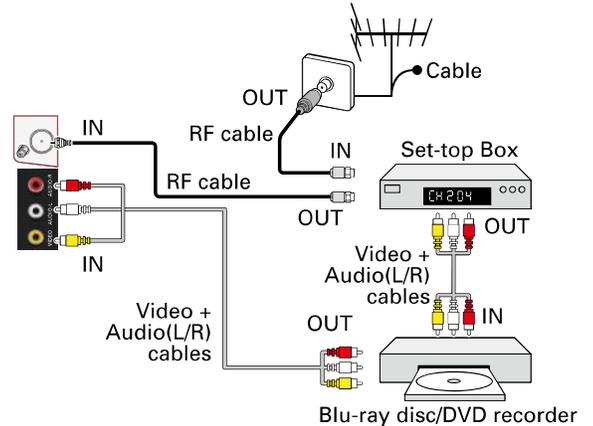
### If connecting Cable / IPTV Set-top Box using an HDMI cable

If the TV is connected to a Cable / Set-top Box via an HDMI cable, make sure you select the correct Source by using SOURCE.



## Connecting a Cable / IPTV Set-top Box, Blu-ray Disc / DVD Recorder via Composite Connectors and Analog Audio

Do Not place your Recorder too close to the Screen because some Recorders can be susceptible to harmful interference from the TV.



**Note(s)**

- Depending on your Antenna system, you may need different types of combiners (mixers) or separators (splitters) for HDTV Signal.
- For your safety and to avoid damage to this Unit, the Antenna Input jack before moving the Unit.
- If you did use an Antenna to receive Analog TV, it should also work for DTV reception. Outdoor or attic Antennas will be more effective than a Set-top Box or inside Antenna.
- To Turn On your reception source easily between Antenna and Cable, install an Antenna selector.
- If you are not receiving a Signal from your Cable service, contact the Cable provider.

## Plugging in the AC Power Cord

Make sure that the AC power cord must be plugged to an AC outlet after all the necessary connections are made.

**Caution(s)**

- Connect the Analog Audio signal cables from the external device to the Analog Audio L/R Input jacks.  
Or if you have an amplifier, connect the HDMI cable to the HDMI input via your amplifier.
- If you have an amplifier, connect the HDMI cable to the HDMI input via your amplifier.

**Note(s)**

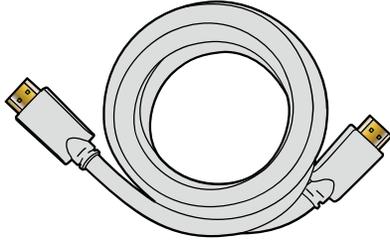
- Each time you plug in the AC Power Cord, no operations will be performed for several seconds. This is not a malfunction.

**No supplied cables are used with these connections:**

- Please purchase the Necessary Cables at your local store.

**Before you connect the AC Power Cord:**

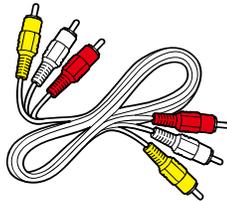
Be sure other Devices are connected properly before plugging in the AC Power Cord.

**Selecting your Connection quality****HDMI - Highest quality**

Supports high-definition Digital signals and gives highest picture and sound quality. Video and Audio signals are combined in one cable. You must use HDMI for full high-definition Video and to enable HDMI-CEC.

**Note(s)**

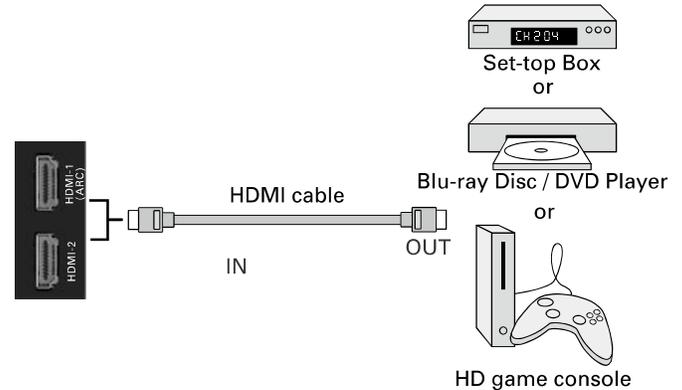
- SANYO HDMI supports HDCP (High-bandwidth Digital Contents Protection). HDCP is a form of Digital Rights Management that protects High-Definition content in Blu-ray Discs or DVDs.
- The HDMI-ARC connector on the TV features HDMI-ARC functionality. This allows output of TV Audio to an HDMI-ARC-compliant Device.

**Composite - Basic quality**

For Analog Connections. Composite Video / Audio Analog cable usually combine a yellow Video Cable with red / white Audio (R/L) Cables. With this Unit, yellow cable must be connected to VIDEO(yellow) jack on the Component Video Input jacks.

**Connecting your Devices****HDMI Digital Connection**

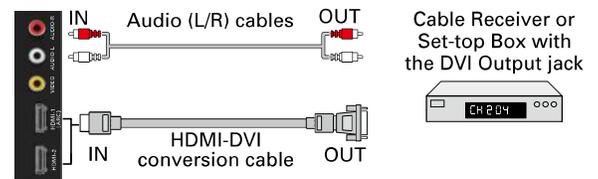
HDMI Connection offers the Highest Picture quality. HDMI (High-Definition Multimedia Interface) transports High-Definition Digital Video and multi-channel Digital Audio through a single cable.

**Note(s)**

- Some HDMI cables and devices may not be compatible with the TV due to different HDMI specifications.
- Use an HDMI cable with the HDMI logo (a certified HDMI cable). High Speed HDMI cable is recommended for the Better compatibility.
- The Unit accepts 480i / 480p / 720p / 1080i, 1080p 50/60Hz of Video signals.
- This Unit accepts only signals in compliance with EIA861.

**HDMI-DVI Connection**

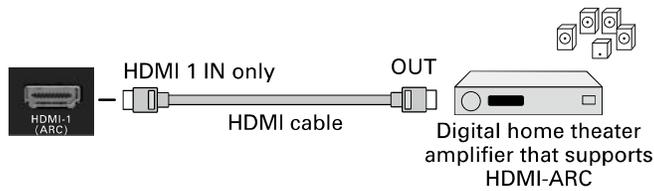
This Unit can be connected to your Device that has a DVI Terminal. Use an HDMI-DVI Conversion Cable for this Connection and it requires Audio Cable for Analog Audio signal as well.

**Note(s)**

- Some HDMI cables and devices may not be compatible with the TV due to different HDMI specifications.
- Use an HDMI cable with the HDMI logo (a certified HDMI cable). High Speed HDMI cable is recommended for the Better compatibility.
- The Unit accepts 480i, 480p, 720p, 1080i and 1080p Video signals.
- HDMI-DVI Connection requires separate Audio Connections as well and the Audio signals are Output as Analog (L/R) Audio.

## HDMI-ARC Connection

HDMI-ARC allows you to use HDMI-CEC to output TV Audio directly to a connected Audio device, without the need for an additional Digital Audio cable.



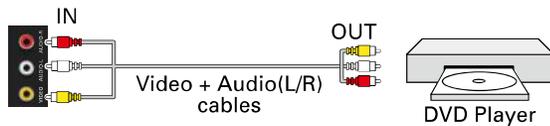
### Note(s)

- The HDMI 1 connector is HDMI Audio Return Channel (ARC) compliant. Use it to output Digital Audio to an HDMI home theater system.
- Be sure that the device is HDMI CEC and ARC compliant and that the TV is connected to the device using an HDMI cable attached to HDMI-ARC connectors.

## Composite Analog Video Connection

Composite Analog Video Connection offers Standard Picture quality for Video Devices connected to the Unit.

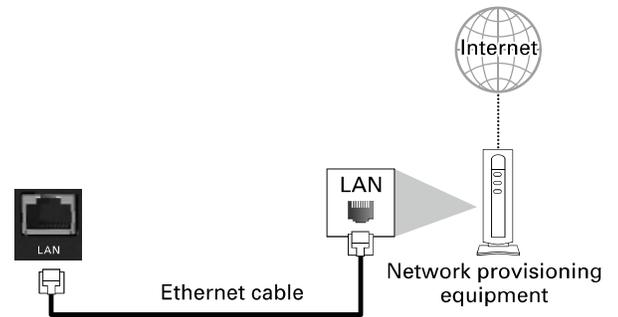
If you connect to the Unit's Component/Composite Video (VIDEO) Input jack (yellow), connect Audio Cables to the Audio (L/R) Input jacks.



### Note(s)

- With this Unit, yellow cable must be connected to VIDEO(yellow) jack on the Component Video Input jacks.

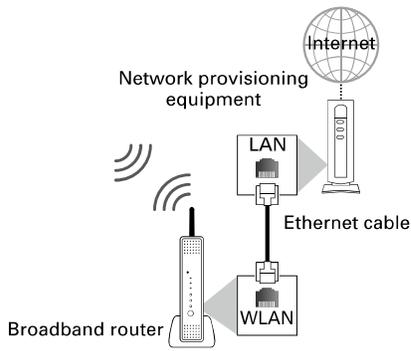
## Connecting the TV to the Internet using an Ethernet cable



### Note(s)

- Please purchase Shielded Ethernet Cables at your local store and use them when you Connect to Network equipment.
- After connecting an Ethernet Cable, set up necessary Network Settings. **Connect to network**
- Do not insert any cable other than an Ethernet Cable to the Ethernet port to avoid damaging the unit.
- If your telecommunications equipment (modem, etc.) does not have Broadband Router functions, connect a Broadband Router.
- If your telecommunications equipment (modem, etc.) has Broadband Router functions but there is no vacant port, then add a hub.
- Do not connect your PC directly to the Ethernet port of this unit.

## Connecting the TV to the Internet using a Wireless LAN

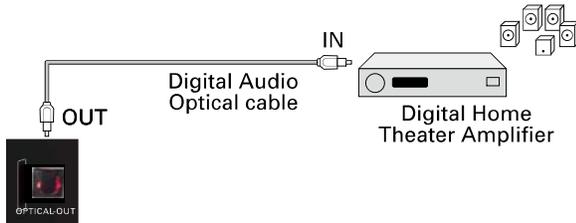


- Note(s)**
- After you make the wireless connection, set up the necessary network settings.
  - Use a Wireless LAN Access Point (AP) (e.g. Broadband Wireless Router) which supports IEEE 802.11 b/g/n. (n is recommended for stable operation of the wireless network.)
  - This unit does not support Ad-hoc mode.
  - Other radio devices or obstacles may cause interference to the wireless network connection.

## Digital Audio Output Connection

If you connect this Unit to an External Digital Audio Device, you can enjoy multi-channel Audio.

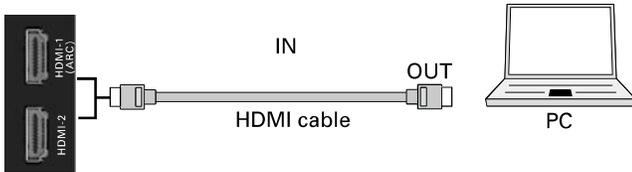
Use a Digital Audio Optical Cable to connect the Unit to External Digital Audio Devices.



## PC Connection

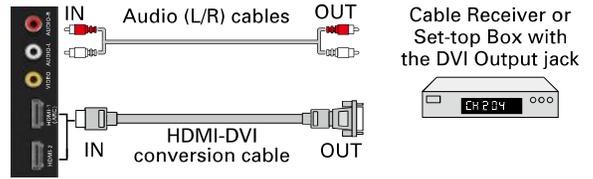
### HDMI Connection

This Unit can be connected to your PC that has an HDMI terminal. Use an HDMI cable for this Digital Connection.



### HDMI-DVI Connection

This Unit can be connected to your PC that has a DVI Terminal. Use an HDMI-DVI Conversion Cable for this Video Digital Connection and it requires Stereo mini 3.5mm Plug Audio Cable for Analog Audio signal as well.



### 32"(HD)

NO.	Mode	Resolution	Refresh rate
1	VGA	720×400	70Hz
2		640×480	60Hz
3	SVGA	800×600	60Hz
4	XGA	1024×768	60Hz
5	WXGA	1360×768	60Hz

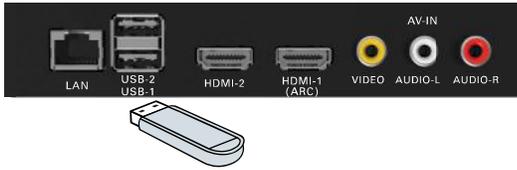
### 40"(FHD)

NO.	Mode	Resolution	Refresh rate
1	VGA	640×480	60Hz
2	SVGA	800×600	60Hz
3	XGA	1024×768	60Hz
4	SXGA	1280×1024	60Hz
5	WXGA	1600×900	60Hz
6	WUXGA	1920×1080	60Hz

- Note(s)**
- Please purchase the HDMI-DVI Conversion Cable that has a ferrite core.
  - The following operations may reduce noise.
    - Attach a ferrite core to the AC Power Cord of your PC.
    - Unplug the AC Power Cord and use the built-in battery of your Portable / Laptop PC.
  - Some HDMI cables and devices may not be compatible with the TV due to different HDMI specifications.
  - Use an HDMI cable with the HDMI logo (a certified HDMI cable). High Speed HDMI cable is recommended for the Better compatibility.
  - The Unit accepts 480i, 480p, 720p, 1080i and 1080p Video signals only when using the HDMI Connection and HDMI-DVI Connection.
  - The Unit accepts 480i, 480p, 720p, 1080i and 1080p Video signals.
  - HDMI-DVI Connection requires separate Audio Connections as well and the Audio signals are Output as Analog (L/R) Audio.
  - DVI does not display 480i image which is not in compliance with EIA/CEA-861/861B.

## USB Memory Stick

This unit offers easy playback of All, Picture, Music and Video files. Insert the USB Memory Stick into the USB terminal shown below.



### Note(s)

- The Unit recognizes only 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 to this Unit.
- 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 USB device before you Play them back on this Unit. We have no responsibilities for damage or loss of your USB Stored Data.
- To protect your USB Memory Stick files from being erased place the write protect sliding tab in the protect position (if available).
- 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).

*These Operations are accessible by Remote Control.  
Some may also be accessible by the Main Unit's Control Panel.*

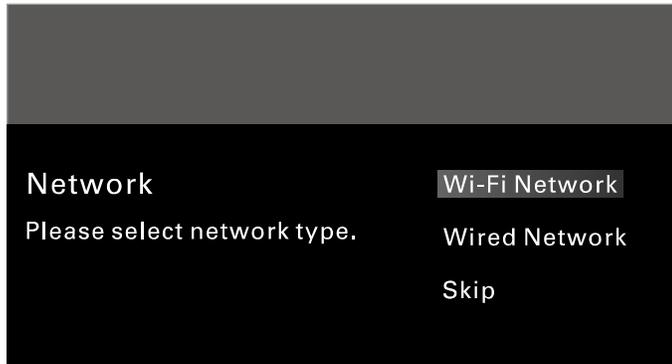
## Initial Setup

This section will guide you through the Unit's Initial setting which includes selecting a Language for your On-screen Menu, country, location and Autoprogram, which Automatically scans and memorizes viewable channels. You can also set the network connection in this setting.

### Before you begin:

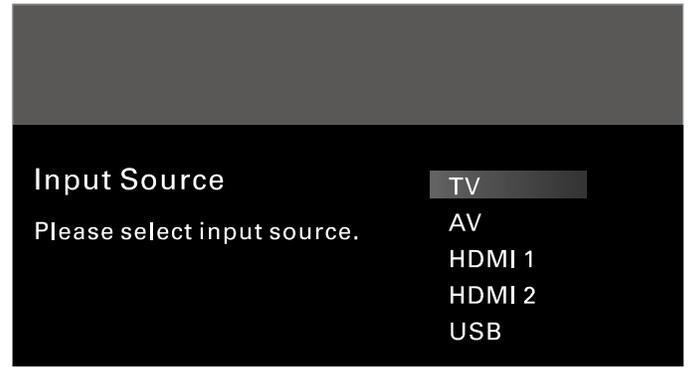
Make sure the Unit is connected to an Antenna or Cable.

- 1 Plug power cord into the electrical socket, then press [ ⏻ ] key to turn on the TV.
- 2 The first time you turn on the TV, the "Welcome" menu will be displayed on the screen. Press [ ▲ ] / [ ▼ ] key to select OSD language which you wish and press [ OK ] key to next step.
- 3 The **DATA COLLECTION AND FIRMWARE UPDATES NOTICE** will be displayed on the screen, you can accept it or decline it according to your situation.
- 4 Follow the prompts to operate the network configuration and input source, you can also choose to skip it temporarily.



WI-FI Network	If you have a Wireless Router, select <b>Wi-Fi Network</b> to connect to the Internet.
Wired Network	If you connect with an Ethernet Cable, select <b>Wired Network</b> to connect to the Internet.

- If you have a router with easy connect function, select **Wi-Fi Network** and use ▲ ▼ to Select **SSID**, then enter password



Press the ▲ ▼ keys to select the source.

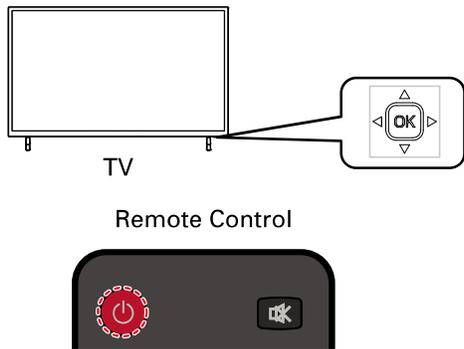
- 5 Select Country/Timezone/DST according to your needs.

Note(s)

- If you are not receiving a signal from your Cable service, contact the Cable provider.
- If you press ⏻ during autoprogram, this setup of TV channels will be cancelled.
- The Initial Autoprogram function can be executed for either **Antenna** or **Cable** only once. When you change the connection (Antenna / Cable), select **Search for channels** again.

## 4 Use your TV

### Switching on your TV and putting it in Standby mode



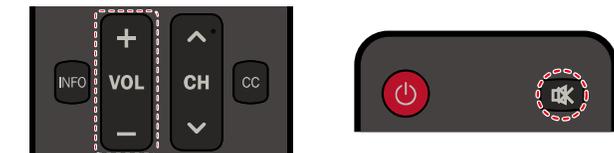
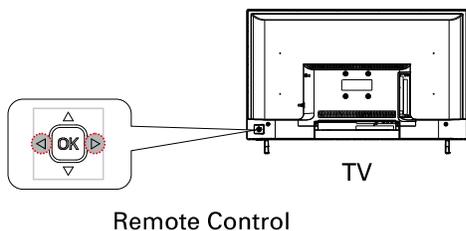
#### Switch between working and standby status.

- Press OK on the Side panel or press on the Remote Control.

#### Note(s)

- Energy Consumption contributes to air and water pollution. When the AC Power Cord is plugged in, your TV consumes energy with a very low Standby Power Consumption.

### Adjusting Volume



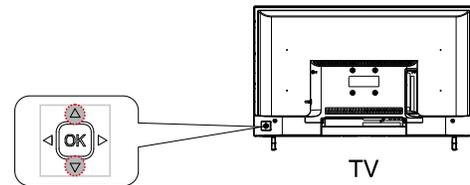
#### To decrease or increase Volume

- Press / on the Side panel (In TV mode) or press VOL + / - on the Remote Control.
  - ◀ or VOL (-) : Volume Down
  - ▶ or VOL (+) : Volume Up

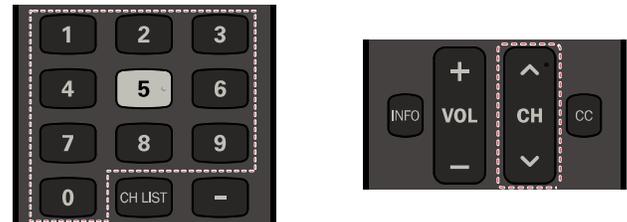
#### To mute or unmute sound

- Press on the Remote Control to Mute the sound.
- Press again on the Remote Control or VOL + to recover the original sound.

### Switching Channels (In TV mode)



Remote Control



#### To Select Channels by using CH ▲ / ▼ or CH ^ / v

- Press CH ▲ (Up) / ▼ (Down) on the side panel (In TV mode) or press CH ^ / v on the Remote Control.

#### To Select Channels by using the NUMBER buttons

#### Digital TV Operation

For Digital channels, press a number followed by a dot "•" and the corresponding sub channel number. (In DTV mode)

- When selecting Digital channel 11

Press the number "1" twice to automatically jump to channel 11



Press to return to the previously viewed channel.

#### Note(s)

- To Select the non-memorized channels, use the NUMBER buttons.
- Channel not available or No signal will appear on the TV screen after the subchannel broadcast is over.
- Audio only message will appear on the TV screen, when you receive only sound signal.

## Watching Channels from an External Device

Switching Each Input Mode can easily switch with the Remote Control between TV and external devices when they are connected to the unit.

- 1 Turn On the Set-top Box or the Connected Device.



- ① Press **SOURCE** and use ◀▶ to Select the Set-top Box or the Connected Device and wait a few seconds till the Picture appears.



- ② Use the Remote Control of the Set-top Box or the Connected Device to Select Channels.

## Access the Home menu

- 1 Press .



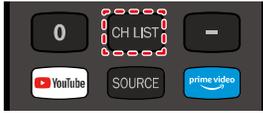
### Guide to Home menu



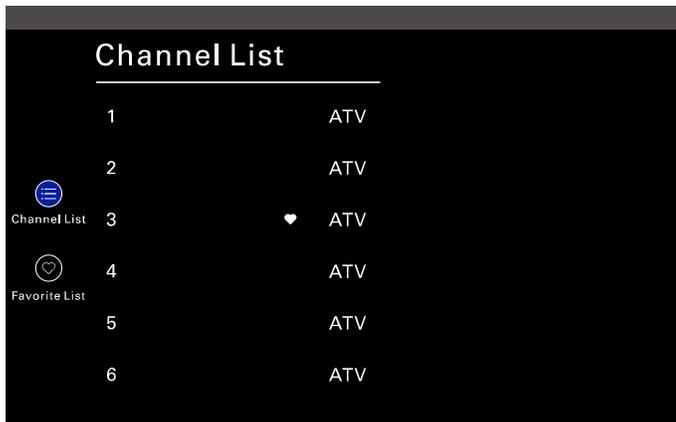
- ① Choose the app you want to enter.
- ② Open NETFLIX.
- ③ To select connected devices.

## Create a list of favorite channels

You can create lists of your preferred TV channels so that you can find those channels easily.



- 1 Press CH LIST on the remote control and the channel list information will appear.
- 2 Select ▲▼ keys to switch channels, press OK to enter.



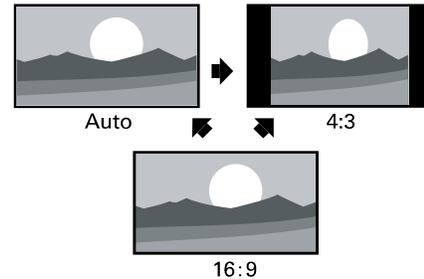
- 3 Select the channel and press the ► button, the favorite and logo appear, press the OK button to add the favorite channel to the Favorite list.
- 4 In the Favorite List, select the channel and press the ► button to display the "Unfavorite" prompt, press OK to remove the favorite channel.

## Changing Display Mode

Display Modes can be Selected when your TV receives a 16:9 or 4:3 Video Signal.



Related patterns

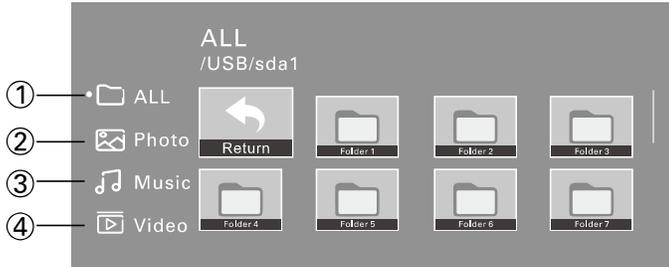


Auto	Other than DTV and HDMI connected devices, enlarges the picture to Best fit the screen. DTV and HDMI connected devices display the picture at its original size. The subtitles may remain visible.
4:3	Displays a 16:9 picture at a 4:3 size; the picture is shortened horizontally. Sidebars appear on both edges of the screen.
16:9	Displays a 16:9 picture that is stretched horizontally and vertically.

# USB

Your TV is fitted with a USB connection that enables you to view Photos, listen to Music or watch Video files stored on a USB Memory Stick.

- 1 Press **SOURCE** and use ◀▶ to Select **USB**, then press **OK**.
- 2 Use ▲▼◀▶ to Select the desired File, then press **OK**.



- ① All folders in the USB storage device
- ② Enter the picture folder to find pictures
- ③ Enter the music folder to play music
- ④ Enter the video folder to play the video

## View photos, play music and watch videos

On your TV you can play video, music and photo files before playing files in the local disk, please insert the USB mass storage device into the USB interface.

The following format is for reference only, the specific format should be based on the actual.

Picture (JPEG / Progressive JPEG)		
JPEG	Upper limit	15360x8640 pixels
Progressive JPEG	Upper limit	1024x768 pixels

Video (MPEG / VOB / AVI / MP4)						
Maximum Video	H.264 :1080P@60fps / HEVC ( H.265 ) :2048x1088 @60fps / MPEG 1080P@60fps					
Extension	.avi	.mpg, .mpeg	.trp, .tp	.vob	.mp4	.mkv
Video codec	MPEG1, MPEG2, MPEG4, H.264	MPEG1, MPEG2, MPEG4	MPEG1, MPEG2, H.264, H.265/ HEVC	MPEG1, MPEG2	MPEG1, MPEG2, MPEG4, H.264, H.265/ HEVC	MPEG1, MPEG2, MPEG4, H.264, H.265/ HEVC
Audio codec						
Dolby Digital	YES	YES	YES	YES	YES	YES
MPEG1 layer 2/3	YES	YES	YES	YES	YES	YES
AC3	YES	YES	YES	YES	YES	YES
AAC-LC	YES	YES	YES	YES	YES	YES

### Note(s)

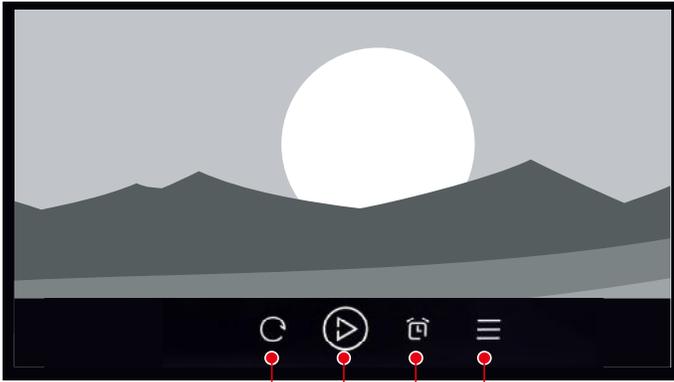
Attention:

1. Nonstandard USB devices can't be recognized probably; in this case, please replace a standard USB device;
2. The stream media system has certain restriction on the format of files; the playing will be abnormal if it is out of the system restriction;
3. Do not remove the USB device while playing, or else the system or device may have problem; Before replace the USB device, please turn off the machine's power supply;
4. The system supports standard and USB2.0 devices, such as USB mass storage devices and removable hard disks;
5. The maximum output current of the USB port of this device is 500mA, and the self-protection will be enabled if it is beyond this limit; please use external power supply if an external device of higher current will be connected;
6. The system is complicated; when it is reading or playing files, the screen may be still or certain functions may be invalid due to the compatibility and stability of the USB device; in this case, please turn off the device and re-initialize the system.

Different models may have different formats The above formats are for reference only.

## Viewing photos

- 1 Use ▲▼ to Select Photo, then press OK.
- 2 Use ▲▼◀▶ to Select the desired item, then press OK.
- 3 Press ▶ to start a Slide show of the files.
  - Press OK or || to pause the Slide show.
  - Press ◀▶ or ▶▶ to open last/next images.
  - Press ↻ or ■ to quit the Slide show.



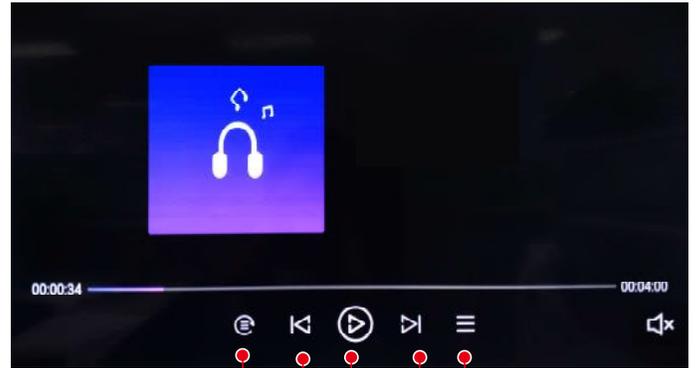
① ② ③ ④

- ① Rotating images.
- ② Pause, play picture
- ③ Transition time, including 5S, 15S, 30S three modes, press the ◀▶ keys to switch freely.
- ④ Picture list

Press [INFO] key can display or hide current picture information press ▼ key to open the guide of operation as shown in the picture above.

## Playing music

- 1 Use ▲▼ to Select Music, then press OK.
- 2 Use ▲▼◀▶ to Select the desired item, then press OK.
- 3 Press OK or ▶ to play the selected files.
  - Press || to pause, then press ▶ again to resume.
  - Press ▶▶ to skip to next music.
  - Press ◀▶ to return to last music.
  - Press ↻ or ■ to quit playback.

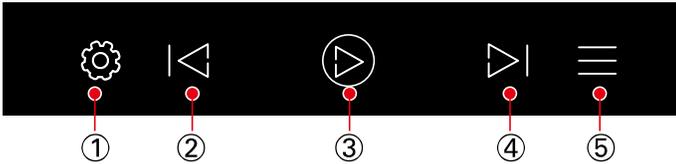


① ② ③ ④ ⑤

- ① Three modes: single loop, random play and sequential play.
- ② Previous song, press OK key, or press ◀▶ key directly.
- ③ Play/pause function
- ④ Next song, press OK key, or press ▶▶ key directly
- ⑤ Music list

## Playing Video

- 1 Use ▲▼ to Select Video, then press OK.
- 2 Use ▲▼◀▶ to Select the desired item, then press OK.
- 3 Press OK or ▶ to play the selected files.
  - Press OK or || to pause, then press OK or ▶ again to resume.
  - Press ▶▶ to skip to next video.
  - Press ◀◀ to return to last video.
  - Press ↻ or ■ to quit playback.



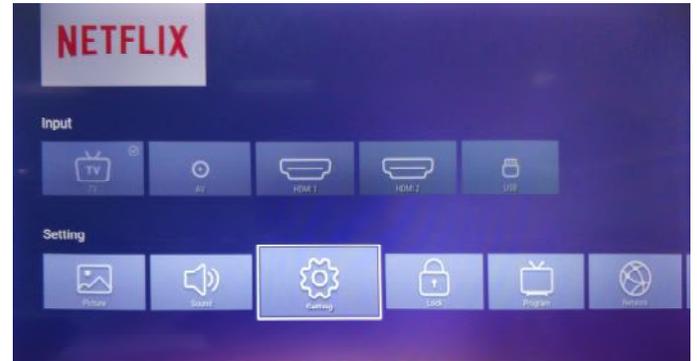
- ① You can set to repeat the video, divided into One, Random, Sequence, three modes.
- ② Last video, select it and press OK key, or press ◀◀ key directly.
- ③ Play / pause function.
- ④ Next video, select and press OK key, or press ▶▶ key directly.
- ⑤ Video list.

Press [INFO] key can display or hide current video information press ▼ key to open the guide of operation as shown in the picture above.

## 5 Main menu Settings

You can set the main menu in two ways by pressing 🏠 or 📺 key to select menu.

1. Press 🏠 to display the Home menu , and Press ▲▼◀▶ Key to select setting. (In home mode)

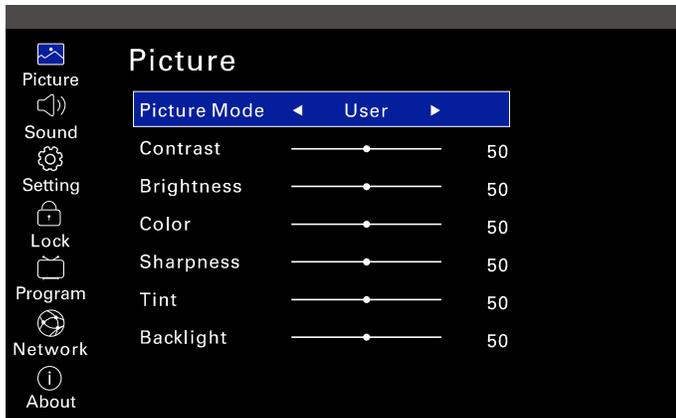


2. Press 📺 Key and use to ▲▼ select setting. (In TV mode)

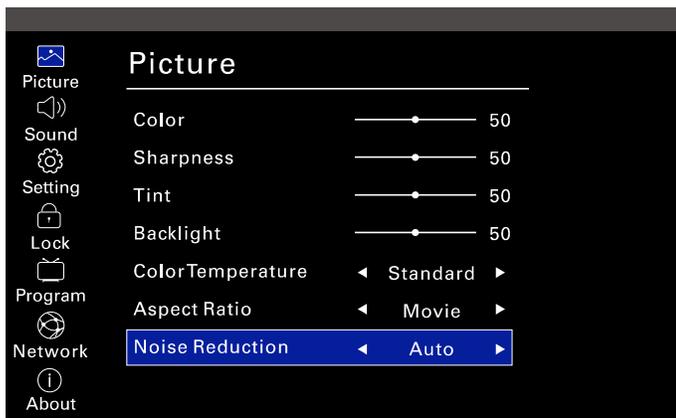
## TV settings

### Picture

- 1 Press the  key, then select the  keys to select Picture menu.
- 2 Press OK to enter the Picture setting.



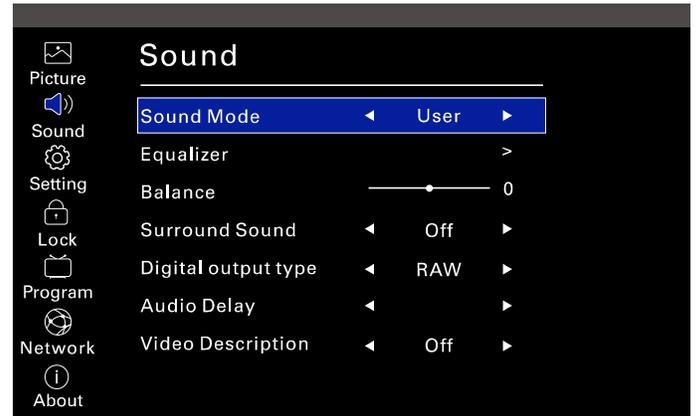
1. There are four formats in Picture Mode. Press  keys to switch: Movie, User, Standard, and Dynamic.
2. Contrast, Brightness, Color, and Sharpness can only be adjusted under the Picture Mode "User" option. Select any mode and press the  keys to adjust the parameters.



3. Color Temperature: Warm, Cold, Standard.

### Sound

- 1 Press the  key, then select the  keys to select Sound menu.
- 2 Press OK to enter the Sound setting.



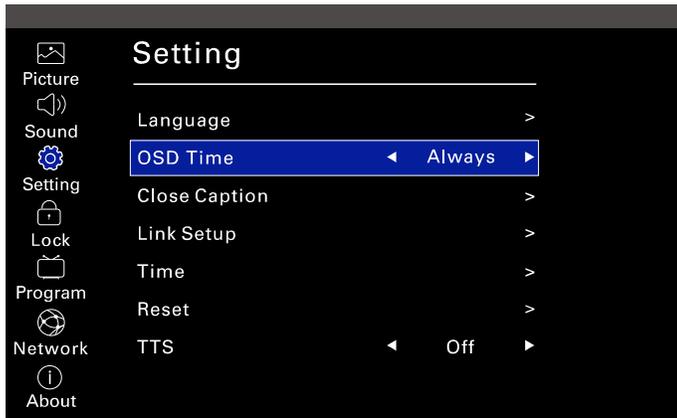
1. To set your TV to a predefined sound setting. When you adjust the following settings (Equalizer, Virtual surround sound, and Auto volume leveling), Personal sound will be set automatically.

Sound Mode	User	The customized settings you defined using the <b>Sound</b> menu.
	Standard	For normal TV viewing.
	Sports	Clear sound for high action.
	Movie	Powerful sound settings for a cinematic experience.
	Music	Optimized for music playback.

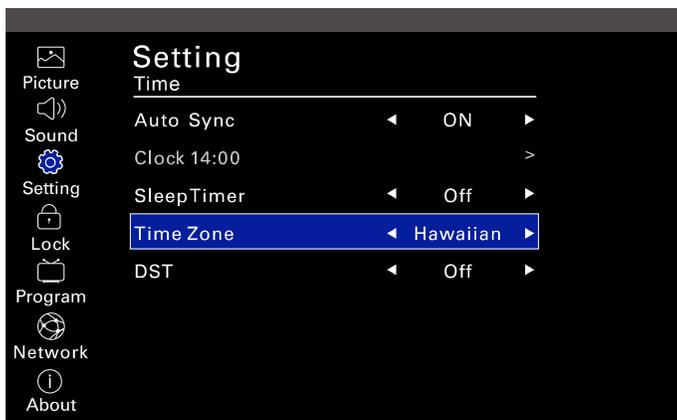
2. Turn on Equalizer in the sound mode "User". Equalizer has five modes: 120Hz, 500Hz, 1.5KHz, 5KHz, and 10KHz. Press the  buttons to adjust the parameters of each mode.
3. Press the  keys to adjust the sound balance parameters. Press  keys to turn on/off the surround sound.
4. Digital output type has 5 modes, namely RAW, PCM, Auto, Transcode DD, and Transcode DDP.
5. Two modes will appear when you select Audio Delay, SPDIF Delay and Speaker Delay, press the left and right buttons to modify the parameters.
6. Press the  keys to on / off the Video Description.

## Setting

- 1 Press the  key, then select the  keys to select Setting menu.
- 2 Press OK to enter the setting.



1. The language options are divided into OSD Language and Audio Language. OSD Language, there are three options: English, Español, Français.
2. OSD Time has four modes: Always, 5 Seconds, 10 Seconds, and 15 Seconds.
3. There are CC Mode/Basic Selection/Advanced Selection on or Off options in Close Caption. Press the  keys to switch.
4. There are Link-CEC/HDMI ARC/Auto Power/Auto Standby On or Off in Link Setup. Press the left and right keys to switch.



- 5.8 time zone settings, Central, Mountain, Pacific Alaskan, Hawaiian, Newfoundland, Atlantic, Eastern.

## Lock

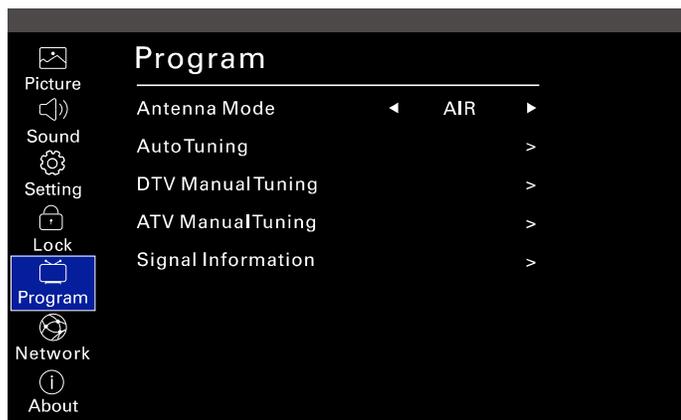
- 1 Press the  key, then select the  keys to select Lock menu.
- 2 Press OK to enter the settings.



Note: The default password for the lock system is 0000.

## Program

- 1 Press the  key, then select the  keys to select Program menu.
- 2 Press OK to enter the Program setting.



Tune the programs before watching the TV for the first time. Before scanning, please make sure that the

### 1.Auto Tuning

Press  key, and select **Program**, then set **Antenna Mode**. Select **Auto Tuning**, and press **[OK]** key, then press  key to set up the **Tuning Mode**. Select **Start** and press **[OK]** key ,then the machine starts auto search. Press  key, then select **YES** in the popup window and press **[OK]** to skip current search and start next search. Press  key, then select **YES** in the popup window and press **[OK]** to exit search. Select **NO** and press **[OK]** key to continue.

### 2.DTV Manual Tuning

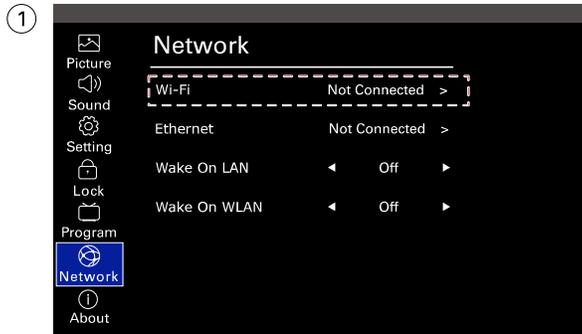
Press  key, Select **Program > DTV Manual Tuning**, Press **[OK]** key to enter **DTV Manual Tuning** menu. Press  key to select channel, and select **Search**, then press **[OK]** key to search.

### 3.ATV Manual Tuning (In ATV signal source)

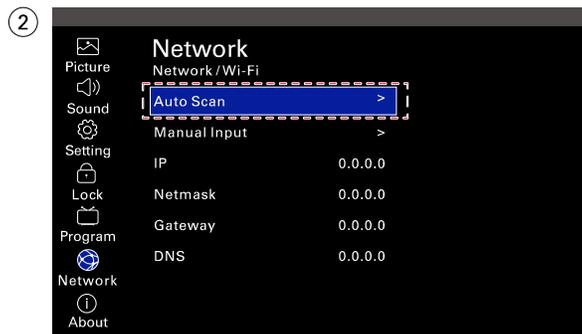
Press  key, Select **Program > ATV Manual Tuning**, Press **[OK]** key to enter **ATV Manual Tuning** menu. Press  key to select channel and search. After search, you can select **Fine-Tune** and press  key to tune, then select **Save** and press **[OK]** key to save the channel.

# Network

## Connect to wireless network



Press the MENU [ ] button to select the Network. Select Wi-Fi and press OK or ► to enter.



Select Auto Scan and press OK or ► to enter.



Select SSID

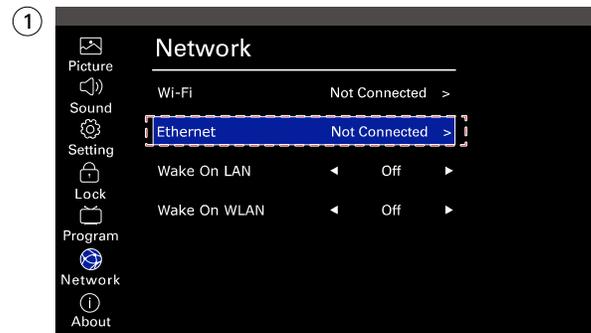


Enter the password and click → or Enter to connect.

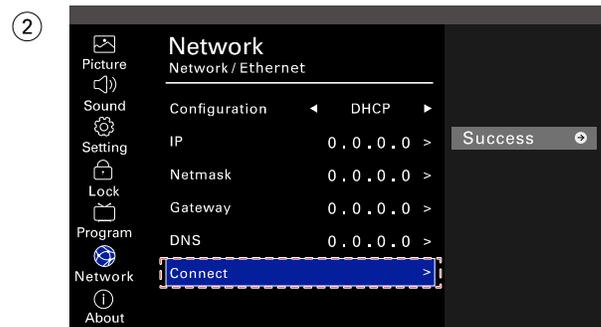


It means to connect successful when the "Success" appear.

## Connect to the wired network



1. Press [ ] key, then select **Network > Ethernet** and press [OK] key to enter. Set **Configuration** as **DHCP**, then select **Connect** and press [OK] key to confirm, and your machine will connect to the Network automatically;

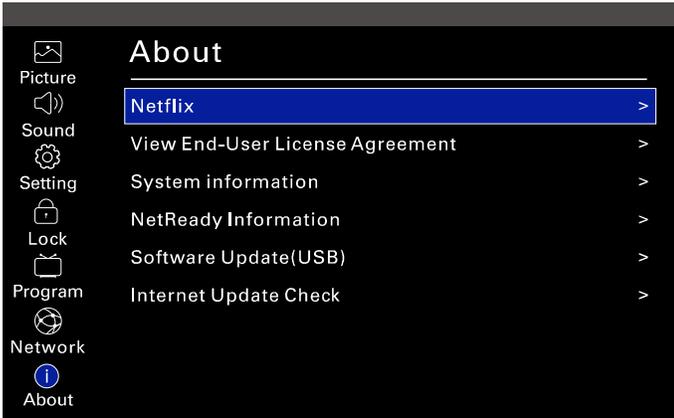


2. You can also set **Configuration** as **Static**, then press [▲]/[▼] key to select IP, Netmask, Gateway, DNS and set them. Finally, select **Connect** and press [OK] key, then your machine will connect to the Network.

3. It means to connect successful when the "Success" appear.

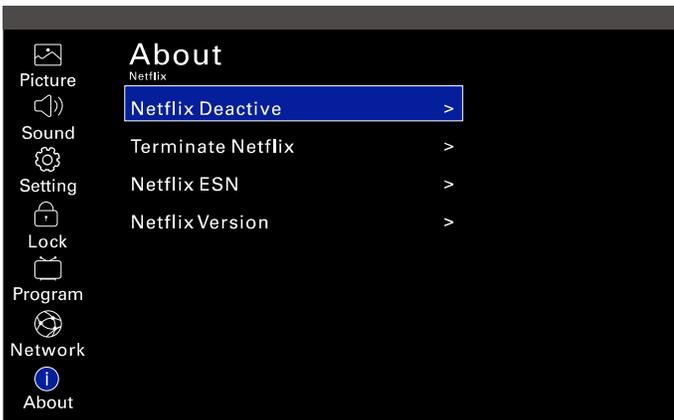
## About

- 1 Press the  key, then select the   keys to select About menu.
- 2 Press OK to enter the program setting.



There are six settings under About content.

Netflix	Netflix related settings
View End-User License Agreement	Please read the agreement about end-user's software upgrade.
System information	It displays information of the system specification.
NetReady Information	Right click to view NetReady Information details.
Software Update(USB)	Use USB for software upgrade
Internet Update Check	Check Internet update information.



## Apps

Apps offers Internet Services for your TV. Use the TV Remote Control to browse the App's pages. You can Play Movies, listen to Music and much more, all from your TV screen.

- Because Apps is an Online System, it can be Modified over time to better serve its purpose.
- Some Apps Services can be added, changed or stopped after some time.
- You cannot Download and Save Files or Install Plug-ins.

### Before Using Apps

Follow the procedure below before using Apps.

- 1 Connect this Unit to the Internet.
- 2 Set up the necessary Network Connection Settings.

### Using Apps

- 1 Press  and use   to Select **Apps**, then press OK.
  - Apps screen will appear, then use   to select the app you want.
  - Select MORE and press [OK], then you can scan more apps.
- 2 As to **Youtube**, **prime video** and **Netflix**, you can press the [YouTube], [prime video] and [NETFLIX] keys to use them. In the standby mode, you can turn on the TV and use **Netflix** by pressing [NETFLIX] key on the remote control.

## Update software

SANYO continuously tries to improve its products and we strongly recommend that you upgrade the TV software when upgrades are available.

New software can be downloaded from our website at [sanyo-av.com/support/download](http://sanyo-av.com/support/download) using the model number of your TV to find information.

You can update the software through these methods:

- update with USB Memory Stick
- update from digital broadcast **Software auto-update**

This section describes how to upgrade the software by using USB Memory Stick.

## Preparing for the Software upgrade

You require the following equipment:

- A PC with web browsing capability
- An archive utility that supports the ZIP-format (e.g. WinZip for Windows or StuffIt for Mac OS)
- An empty clean formatted USB Memory Stick

### Note(s)

- Only FAT / DOS-formatted portable memory is supported.
- Use only software upgrades that can be found on the SANYO web site.

### Warning

- When the software upgrade is running, don't press any buttons.
- Do not remove the USB Memory Stick during the software upgrade.
- If an error occurs during the upgrade, retry the procedure or for further assistance, please contact Call Center.

## Downloading the Software

Find information and software related to your TV and download the latest software upgrade file to your PC.

Prepare a blank USB memory stick for Software Update. Access [sanyo-av.com/support/download](http://sanyo-av.com/support/download) and download the latest version software to a blank USB memory stick using a PC by following the Directions described on the website.

- Use a blank USB memory stick, download the software on your PC and write the software in the root directory of the USB memory stick.
- For more details on how to download the software, please refer to the website.

## USB upgrade

You can upgrade the software by using USB Memory Stick.

1. Put the upgrade software in the USB root directory.
2. Connect the USB memory stick with the upgrade file to the USB terminal below the TV. The upgrade will be completed automatically after booting.



3. When the software upgrade is completed, press to set the unit into Standby mode, then remove the USB Memory Stick.
4. Unplug the AC power cord for a few seconds from AC outlet and plug it again.
5. Press again to Turn the unit On. The TV starts up with the new software. For further assistance, please contact Call Center.

## 6 Useful tips

### FAQ

Question	Answer
My Remote Control does not work. What should I do?	<ul style="list-style-type: none"> <li>• Check the Antenna or Cable Connection to the Main Unit.</li> <li>• Check the Batteries on the Remote Control.</li> <li>• Check if there is an obstacle between the infrared sensor window and the Remote Control.</li> <li>• Test the IR Signal Output use <b>IR Signal Check</b>. If okay, then possible Infrared Sensor trouble.</li> <li>• Aim the Remote Control directly at the infrared sensor window on the front of the Unit.</li> <li>• Reduce the distance to the Unit.</li> <li>• Re-insert or replace the 3Vcc (2 x 1.5Vcc, Tipo "AAA") Batteries with their Polarities (+/-) as indicated on the Remote Control Battery area.</li> <li>• When there is an infrared-equipped device such as PC near this Unit, it may interrupt the Remote Control signal on this Unit. Move the infrared-equipped device away from this Unit, change the angle of the Device's infrared sensor or Turn Off the infrared communication function.</li> </ul>
How come the Initial Setup appears every time I Turn On this Unit?	<ul style="list-style-type: none"> <li>• Make sure to complete the Initial Setup before the Unit goes into Standby mode.</li> </ul>
Why can I not watch some RF signal TV Programs?	<ul style="list-style-type: none"> <li>• Autoprogram must be completed when you Set Up the Unit for the First time or Move it to a location where previously unavailable channels are broadcast.</li> <li>• Make sure Auto programming has been completed.</li> <li>• The selected channel may not be broadcasting.</li> <li>• When Auto programming is interrupted and not completed, some channels will not be received. Make sure to complete the Autoprogram.</li> <li>• The Unit requires some kind of Antenna Input. An indoor Antenna (Digital or VHF / UHF), an External Antenna (Digital or VHF / UHF) or an RF Coaxial Cable from your wall Cable or Set-top Box needs to be plugged into the Unit.</li> </ul>
How come there is no image from the Connected External Devices?	<ul style="list-style-type: none"> <li>• Check if the correct Input mode is selected by pressing <b>SOURCE</b>.</li> <li>• Check the Antenna, Cable or other Input Connection to the Unit.</li> </ul>
When I enter a channel number, why does it change Automatically?	<ul style="list-style-type: none"> <li>• Many Digital channels have alternate channel numbers. The Unit changes the numbers Automatically to the ones signifying the Broadcasting Station's channel number. These basic numbers used for the previous Analog Broadcasts. (e.g., Input Digital ch# 30 Automatically changes to Digital ch# 8.1)</li> </ul>
Why are captions not displayed Entirely? Or why are captions delayed behind the dialog?	<ul style="list-style-type: none"> <li>• Closed Captions that are delayed a few seconds behind the actual dialog are common for Live broadcasts. Most captioning production companies can display a dialog to maximum of 220 words per minute. If a dialog exceeds that rate, selective editing is used to insure that the Closed Captions remain up-to date with the current TV screen dialog.</li> </ul>
How can I set the clock?	<ul style="list-style-type: none"> <li>• There is No clock function on this Unit.</li> </ul>
When I start up the TV or a net service, a message appears on the screen prompting for software update again.	<ul style="list-style-type: none"> <li>• When you start up the TV or a net service after executing the software update, a message may appear on the screen prompting for software update again. In this case, please select <b>Update</b> to start USB update or network update.</li> </ul>

## Troubleshooting Tips

If the Unit does not perform properly when operated as instructed in this User Manual,

**Please check the following Troubleshooting Tips and All Connections Once before calling for Service.**

### Power

#### No Power

- Make sure the AC Power Cord is plugged in.
- Make sure that the AC outlet supplies the proper voltage, plug another electrical appliance into the AC outlet to ensure that the AC outlet operates normally.
- If a Power Failure occurs, Unplug the AC Power Cord for 1 minute to allow the Unit to Reset Itself.

### Remote

#### Control buttons do not work.

- Do NOT press more than one button at the same time.
- Ensure that no buttons on the Remote Control are depressed and move freely.

#### Universal Remote Control does not work properly.

- Refer to the user manual of the universal remote control for the SANYO code.

### Picture

#### Power is ON but no screen image.

- Check whether the Connection for the Antenna, Cable or Set-top Box is Connected Correctly.
- Check whether All the Cables to the Unit are connected to the correct Output Jack on your device like Blu-ray / DVD recorder.
- Make sure that the selected Input mode is connected to the working Input jack.
- Check if your computer is NOT in Sleep Mode when the Input mode of this unit is in PC mode. Tap any key on the Computer Keyboard to Wake it up.
- Check if the correct input mode is selected by pressing SOURCE.

#### No Color

- View other TV channels. The problem might be limited to the broadcasting station.
- Adjust Color in Picture settings.

#### Picture Poor

- Adjust Contrast and Brightness in Picture settings.
- For the Best Picture Quality, watch "High Definition" wide screen Programs. If the HD content is Not available, watch "Standard Definition" Programs instead.

#### You see Pixelation on the Screen.

- When the capabilities of the Unit exceed the capabilities of the Digital Broadcasting, the signal will be increased to match the capabilities of the Display on the Unit. This may cause Pixelation, Noise or Trash.

### Sound

#### No sound is heard when using the HDMI Digital Connection.

- Some HDMI cables and devices may not be compatible with the TV due to different HDMI specifications.

#### No sound, distorted sound or incorrect Audio Sound is heard when using the HDMI-DVI Connections.

- Make sure that the Analog Audio signals from the HDMI-DVI device are connected to the Analog Audio L/R Input jacks.
- When using Component Analog Video, Composite Analog Video or HDMI-DVI Video make sure that the Analog Audio (L/R) connectors are mounted into the Audio (L/R) Input jacks.

#### Sound Intermittent or No Sound.

- Check if the Audio Cable is connected into the Unit correctly.

#### You Switch to a Different Input and the Volume Changes.

- This Unit will Memorize the Volume Level from the last time you adjusted it.
- If the Volume of the Sound from another Device is Higher or Lower, then the Loudness will Change.

### Picture & Sound

#### No sound with distorted picture occurs when using the HDMI Digital Connection.

- Some HDMI cables and devices may not be compatible with the TV due to different HDMI specifications.

#### No Picture or Sound

- Check if the Power is on.
- Check whether All the cables to the Unit are connected to the correct Output jack of your device like Blu-ray / DVD Recorder.
- Check whether All the Cables to the Unit are connected to the correct Output Jack on your separate Device like Blu-ray Disc / DVD Recorder.
- View other TV channels. The problem might be limited to the Broadcasting Station or Weak Signal Strength.
- Unplug the AC Power Cord and wait for about 1 minute, then Plug the AC Power Cord and turn On the Unit again.
- Check whether the connection of the Antenna or Cable / Set-top Box is connected correctly.
- Make sure that the selected Input mode is connected to the working Input jack.
- Check if your computer is NOT in sleep mode when the Input mode of this Unit is in PC mode. Tap any key on the keyboard to wake up your computer.
- Make sure that the sound is not muted. Press  so that the volume bar and current volume level will appear on the TV screen.
- Make sure that the volume is NOT set to 0 or . If so, use VOL + to adjust to the desired volume.
- Make sure that the headphone is NOT connected to the Headphone Audio Output jack.

#### You see a Distorted Picture or Hear an Unusual Sound. (Analog TV - NTSC signal)

- You may be getting NTSC (Analog) TV signal (not HDTV signal) interference from electrical appliances, automobiles, motorcycles or fluorescent lights.
- Try moving the Unit to another Location to see if this is the Cause of the Problem.

#### Ghosts, lines or streaks in picture.

- Electrical Interference from nearby appliances may affect Picture Quality.
- View other TV channels. The problem might be limited to the broadcasting station or weak signal strength.

#### Picture Poor, Sound Intermittent or No Sound

- View other TV channels. The problem might be limited to the broadcasting station or weak signal strength.

### Screen

#### You Switch to a different Input and the Screen Size changes.

- This unit will memorize the viewing mode from the last time you used the particular input modes.

#### The display image does not cover the entire screen.

- If you are using the Unit as a PC Monitor, make sure that Horizontal position and Vertical position in Picture are set correctly.

#### Different color marks on the TV screen

- View other TV channels. The problem might be limited to the broadcasting station, missing data or pixelation due to weak signal strength.

## Closed Captions

**Closed Captions are displayed as a white box. No Closed Captions are displayed in the Closed Captions-Supported Program.**

- Interference from buildings or weather conditions may cause Closed Captions to be incomplete if watching Analog TV signals.
- Broadcasting Station may shorten the program to insert advertisements. The Closed Caption Decoder cannot read the information of the shortened program.

**Black Box is displayed on the TV Screen.**

- The text mode is selected for caption. Select CC-1, CC-2, CC-3 or CC-4.

## Software update

**A message appears on the screen prompting for software update again.**

- When you start up the TV or a net service after executing the software update, a message may appear on the screen prompting for software update again. In this case, please select **Update** to start USB update or network update.

## Network

**Cannot connect to the network.**

- Check if the Ethernet Cable connection is properly made. Turn On the Broadband Router and/or Modem.
- Check the Network Settings.
- Check if the Broadband Router and/or Modem is correctly connected.

**Sometimes video quality is poor when using the wireless LAN.**

- The wireless network connection quality varies depending on the distance or obstacles (e.g. wall, basement, 2nd floor) between the TV Wireless LAN Adapter and the Wireless Router (access point), from other wireless networks, and brand and type of the Wireless Router (access point). When using the Wireless LAN of the TV, it is suggested to place the Wireless Router as close as possible to the Television.

**Wireless LAN connection fails or wireless connection is poor.**

- Check the installation location of the TV and Wireless Router (access point). Signal quality may be affected for the following reasons.
  - Interference of other wireless devices, microwaves, fluorescent lights, etc., are placed nearby.
  - There are floors or walls between the Wireless Router and TV.
  - If the problems continue even after checking the above, try making a wired LAN connection.

**Cannot use the wireless connection.**

- Check if the Wireless LAN Access Point (AP) (e.g. Wireless Router) is oriented properly or not placed too close between them.
- Once you have activated the wireless connection please wait 30 seconds for the connection to be established after Turning On the Unit, before trying to access network features such as Apps.

**Cannot use Netflix feature.**

- Check if the network connection is properly made.
- Visit <http://www.netflix.com> on your PC and become a Netflix member.
- Some network services may not be available in your country.

**Cannot add movies or TV episodes to the Instant Queue.**

- Visit [www.netflix.com](http://www.netflix.com) on your PC.

**Even though the speed of the Internet connection improves during playback, the picture quality of Netflix streaming movie does not improve.**

- The picture quality does not change during playback. It differs depending on the speed of Internet connection at the time of loading.

**The picture quality of a streaming movie (Netflix) is poor.**

- Check the speed of your Internet connection. You need speeds of at least 8 Mbps to this player for high quality uninterrupted playback.

**Streaming movie (Netflix) often stops or starts buffering during playback.**

- Contact your Internet service provider to troubleshoot your Internet connection for speed and line quality. Consistent line quality and speed are very important for Internet video playback.

**Cannot connect to the network while my PC is connected to the network.**

- Check the content of your Internet service contract to see if your Internet Service Provider prevents multiple terminals connecting at the same time.

## Note(s)

- The LCD screen is manufactured to provide many years of useful life. Occasionally a few non active pixels may appear as a fixed point of blue, green or red. This is not to be considered a defect in the LCD screen.
- Some functions are not available in specific modes, but this is not a malfunction. Read the description in this User Manual for more details on correct operations.

# 7 Information

## Glossary

### Analog TV (NTSC)

Acronym that stands for National Television Systems Committee and the name of Analog broadcasting standards.

Off the air Analog TV signals are no longer being sent by major broadcasting stations in the USA.

### ARC (Audio Return Channel) (HDMI 1 only)

HDMI-ARC allows you to use fun-Link to output TV audio directly to a connected Audio device, without the need for an additional Digital Audio cable. Be sure that the device is HDMI CEC and ARC compliant, and that the TV is connected to the device using an HDMI cable attached to both HDMI-ARC connectors.

### Aspect ratio

The width of a TV screen relative to its height. Conventional TVs are 4:3 (in other words, the TV screen is almost square); widescreen models are 16:9 (the TV screen is almost twice as wide as its height).

### CEC (Consumer Electronics Control)

This allows you to operate the linked functions between our brand devices with CEC feature and this Unit. We Do Not guarantee 100% interoperability with other brands of CEC compliant devices.

### Dolby Digital

The system developed by Dolby Laboratories to compress Digital sound. It offers Stereo Sound (2ch) or multi-channel Audio.

### DTV (ATSC)

Abbreviation that stands for Advanced Television Systems Committee and the name of the Digital broadcasting standards.

### E-sticker

E-sticker is showing set features, technical information, etc on this TV set that is displayed on the TV screen mainly used by TV retailers. Previously the information was on a printed sticker that was put on the display.

### HDMI (High-Definition Multimedia Interface)

Interface that supports All uncompressed, Digital Audio / Video formats including Set-top Box, Blu-ray / DVD Recorder or Digital television, over a single cable.

### HDTV (High-Definition TV)

Ultimate Digital format that produces high resolution and high picture quality.

### SDTV (Standard Definition TV)

Standard Digital format that is similar to the Analog TV picture quality.

## Maintenance

### Cabinet Cleaning

- Wipe the front panel and other exterior surfaces of the Unit with a soft cloth.
- Never use a solvent or alcohol. Do Not spray insecticide liquid near the Unit. Such chemicals may cause damage and discoloration to the exposed surfaces.

### Panel Cleaning

Wipe the panel of the Unit with a soft cloth. Before cleaning the panel, disconnect the AC Power Cord.

### Servicing

Should your unit become inoperative, do not try to correct the problem yourself. There are no user serviceable parts inside. Call our toll free customer support line found on the cover of this User Manual to locate an authorized service center.

### IR Signal Check

If the Remote Control is not working properly, you can use a Digital or Cell Phone Camera to see if it is sending out an infrared signal.



e.g.) With a Digital Camera:

Point the Digital Camera towards the Remote Control infrared diode at the front of the Remote Control. Press and Hold any Key on the Remote Control and look at the Camera Display. If an infrared pulsating light appears on the Display, the Remote Control is sending out an IR signal.

**Note:** Some Cameras may have an IR Filter or Dual Camera Cell Phones may have an IR Filter in one of the Camera's and both will not Display the IR signal.

# 8 Specifications

Model #	FW32C10KM/FW40C40KM
<b>Picture</b>	
Type	WXGA:32" (1360×768 pixels 60Hz) or WXGA:40" (1920×1080 pixels 60Hz)
Aspect ratio	16:9
Viewing Angles	169° (H) 169° (V)
Built-in Digital / Analog Tuner	ATSC (Digital) / NTSC (Analog)
<b>Sound</b>	
Power Output (RMS watts)	6W+6W
<b>Ease of Use</b>	
Photo Slide Show	JPEG, Progressive JPEG
Music Playback	MP3, WAV, AAC
Video Playback	MPEG1, MPEG2, H.264, MPEG4, H.265/HEVC
<b>Connectivity</b>	
AV Input	1
HDMI Input	2
	Supporting HDMI Video Signals : 480i ,480p ,576i ,576p ,720p ,1080i ,1080p
	Supporting HDMI Digital Audio Signals : AC3, DD+
	Supporting PC-Input Video Signal up to 32" HD(1360×768) or 40" FHD (1920×1080)
Analog Audio L/R Input	1 (L Audio / R Audio)
USB	2
Wireless LAN	Supporting wireless standards : IEEE 802.11 b/g/n (2.4GHz)
Ethernet port	1
Digital Audio Output	1 Supporting Dolby Digital and optical output
<b>Power</b>	
Power Requirements	120V~,50/60Hz
<b>Temperature</b>	
Operating Temperature	41 °F (5 °C) to 104 °F (40 °C)

- Specifications are Subject to Change without Prior Notice.

**SANYO**