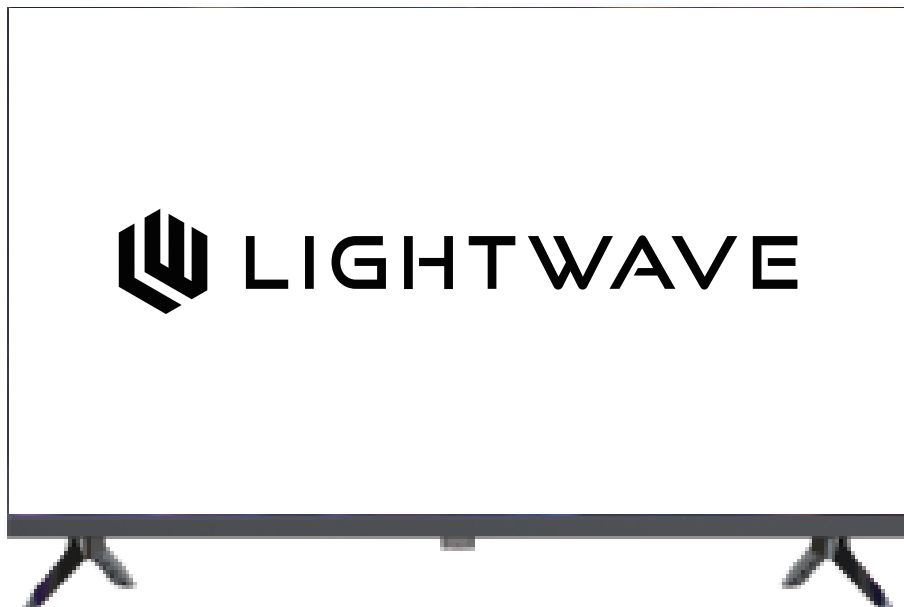


MODEL:LW ATV32



USER MANUAL



IMPORTANT

Please read this manual carefully before installing
and operating the TV.

Keep this manual handy for further reference

www.lightwaveglobal.com

Content

Warning and Precautions	1
Important Safety Instructions	2
Cauton	4
Technical specifications	5
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OSD	12
Help	18
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*Note: The pictures and contents of the product only for reference,
and Specific subject to the real goods.*

This appliance is intended for domestic use only.

WARNING



Warning

**Risk of electric shock,
do not open.**



**Warning: To avoid the risk of electric shock,
do not remove cover (or back).
No user-serviceable parts inside.
Refer servicing to qualified service personnel.**



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 product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to a person.



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 appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

CAUTION: TO ENSURE PERSONAL SAFETY, OBSERVE THE FOLLOWING RULES REGARDING THE USE OF THIS UNIT.

1. Operate only from the power source specified on the unit.
2. Avoid damaging the AC plug and power cord.
3. Avoid improper installation and never position the unit where good ventilation is unattainable.
4. Do not allow objects or liquid to fall into the cabinet openings.
5. In the event of mechanical damage, unplug the unit and call a service technician. Do not attempt to repair it yourself or remove the rear cover.

Changes or modifications not approved by JVC could void the warranty.

- * When you don't use this TV set for a long period of time, be sure to disconnect both the power plug from the AC outlet and antenna for your safety.
- * To prevent electric shock do not use this power plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

Do not attempt to service the product yourself

Caution

To prevent electrical shock, do not open the TV casing.
There are no user serviceable parts inside.
Please refer to qualified service personnel for repairs.



This equipment is a Class II or double insulated electrical appliance.
It has been designed in such a way that it does not require a safety connection to electrical earth.

IMPORTANT SAFETY INSTRUCTIONS

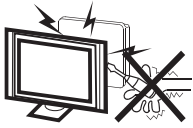
- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this unit near water.
- 6) Clean only with a dry cloth.
- 7) Do not block any ventilation openings. Ventilation should not be impeded by covering the ventilation openings with items such as newspapers, table-cloths, curtains etc. There must be a minimum distance of 5cm clear space around the unit at all times to ensure proper ventilation.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat. No naked flame sources such as lit candles, should be placed on or near the unit.
- 9) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where they exit from the unit.
- 10) Only use attachments/accessories specified by the manufacturer.
- 11) Use only with a cart, stand, tripod, bracket or table specified by the manufacturer or sold with the unit. When a cart is used, use caution when moving the cart/unit combination to avoid injury from tip-over.
- 12) Unplug this unit during lightning storms or when unused for long periods of time.
- 13) Refer all servicing to qualified service personnel. Servicing is required when the unit 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 unit, the unit has been exposed to rain or moisture, does not operate normally or has been dropped.
- 14) The unit should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the unit.
- 15) Place the television on a stable, flat surface. Failure to do so can result in the television falling, causing injury.
- 16) Do not allow young children to play around or on the television. Do not hang from the unit. Failure to do so can result in the television falling, causing injury.
- 17) Do not allow young children to play with the plastic bag that came with the television when you unpacked it. Failure to do so can result in suffocation, which may lead to death.
- 18) Avoid improper installation and never position the unit where good ventilation is impossible. When installing this unit, distance recommendations must be maintained between the set and the wall, as well as inside a tightly enclosed area or piece of furniture. Keep to the minimum distance guidelines shown for safe operation.
- 19) **Cautions for installation**
 - Ensure the power cord is out of the path of foot traffic.
 - The unit will generate a slight amount of heat during operation. Ensure that sufficient space is available around the unit to allow satisfactory cooling.
 - Have two people remove the unit from the box with the screen facing away from you. It's possible your clothing (such as a belt buckle or button) may scratch the front of the unit. Do the same when moving the unit to another location.



IMPORTANT SAFETY INSTRUCTIONS

- 20)** Make enough room for inserting and removing the power plug. Place the unit as close to the outlet as possible. The main power supply for this unit is controlled by inserting or removing the power plug. Physically disconnecting the power plug is the only way to completely disconnect the unit from the mains power source.
- 21)** Batteries must not be exposed to excessive heat such as sunshine, fire or the like.
- 22)** When this unit is connected to the wall outlet, it is always on standby even when all the LED lamps are not lit. To shut down the unit, unplug the unit from the wall outlet.
- 23)** If the supply cord is damaged, it must be replaced before further use by the manufacturer, its service agent or a similarly qualified person in order to avoid a hazard.
- 24)** Always place the TV on furniture that can safely support the TV. Make sure the ends of the TV do not hang over the edge of the supporting furniture.
- 25)** Do not place the TV on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the TV to a wall or other suitably strong support.
- 26)** Do not stand the TV on cloth or other materials placed between the TV and the supporting furniture.
- 27)** Where the mains plug is used as the disconnect device, the disconnect device shall remain readily operable.

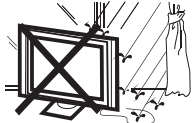
CAUTION



Warning



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



Warning



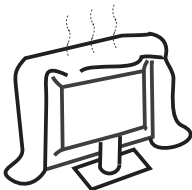
To prevent a fire or an electric shock, do not expose the TV to rain or moisture.



Warning



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



Caution



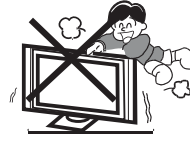
Do not block the ventilation holes in the back cover. Adequate ventilation is essential to prevent failure of electrical components.



Caution



Do not trap the power supply cord under the TV.



Caution



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



Caution



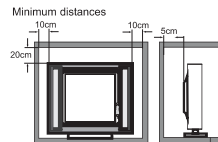
Do not place your television on an unstable cart, stand, shelf or table. Serious injury to an individual, and damage to the television, may result if the television should fall.



Caution



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



Caution



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

TECHNICAL SPECIFICATIONS

Accessories

Base Legs.....	2
Screws.....	2
Battery(AAA)	2
Manual.....	1
Remote Control	1

Main Specifications

Viewing Picture Size (Diagonal)	32"
Resolution	1366x768
Aspect Ratio	16 : 9
Brightness	170cd/m ² ±10%
Contrast Ratio	TYP 1200:1
Refresh Rate	60Hz
TV System	PAL-B/G, I, D/K SECAM-B/G, D/K, I
Input Power Voltage	100-240V~ 50/60Hz
Power Consumption	55W
Audio Output Power (THD≤10%)	2x8W
Signal Input	HDMI x 2 AV INPUT x 2 USB x 2
Signal Output	EARPHONE x 1
Unit Size	719x180x473 mm
Unit Size (Without Stand)	719x64x422 mm
Net Weight	3.2 kg

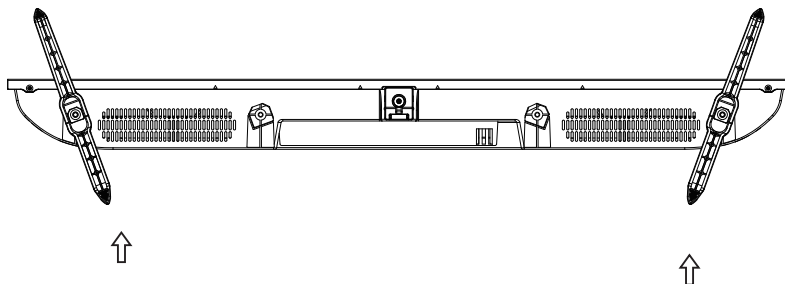
INSTALLATION

Location

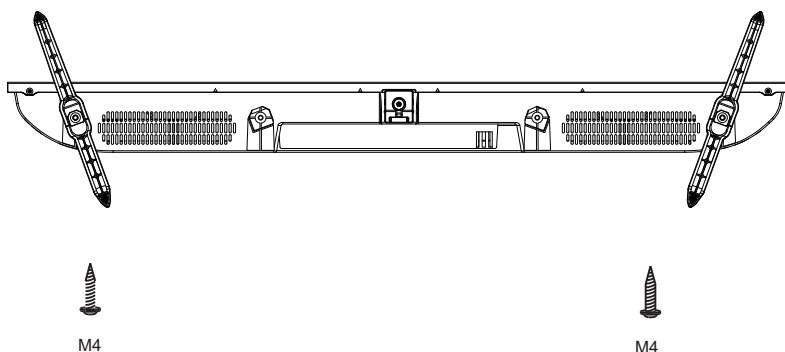
- * Locate the TV where light does not shine onto the screen.
- * Total darkness or reflection on the screen can cause eye strain. A soft lighting environment is recommended for comfortable viewing.
- * Allow ample space between the TV and wall for proper ventilation.
- * To prevent damage to the unit, do not locate the TV in either a damp or hot environment.
- * To prevent damage whilst in use, do not cover ventilation openings.

Base Stand Assembly Instruction

- ▲ 1. Place the TV with the display side down on a flat surface. Ensure the table or desk you use provides a flat, totally clean surface and use a soft cloth between the face of the TV and the table to protect the TV's screen.
- Insert the stands into the grooves on the bottom of the TV then align the screw holes with the stands.



2. Use the 2 provided screws to attach the stands to the TV.

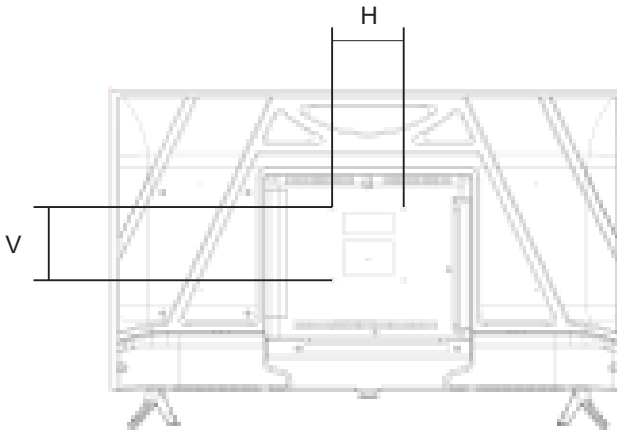


INSTALLATION

Wall-Mount Instructions

Compatible wall-mount size	Screw size for connecting the TV to the wall mount
VESA 100x100	M4X8mm,4pcs

** The length of the screw specified is only a recommendation; actual length required can vary depending on the type of wall mount used.*



Images are for illustrative purposes only

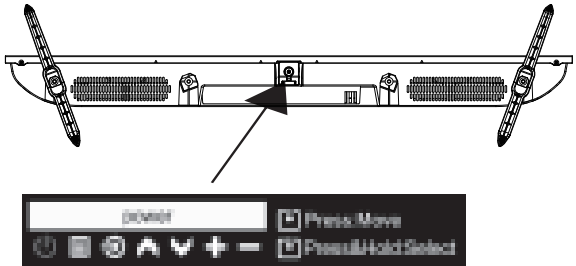
Please note:

1. A wall mount is not included with the TV; it needs to be purchased separately.
2. Use only VESA-compatible wall mounts according to the specifications recommended for this model. Use of other wall mounts, or inappropriate installation may cause personal injuries or damage to the TV.
3. Please follow all instructions from the user manual of your chosen wall mount.

INSTALLATION

Keyboard

The control buttons on the TV are located on the bottom of the TV near the LED indicator.

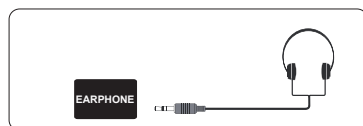
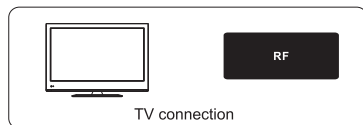
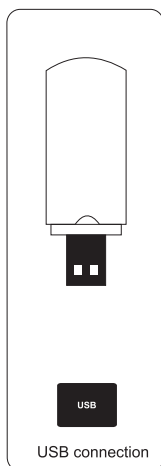
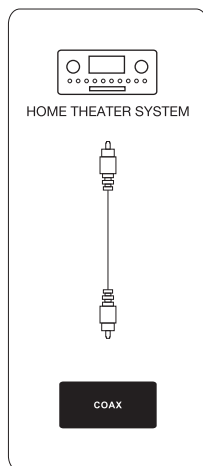
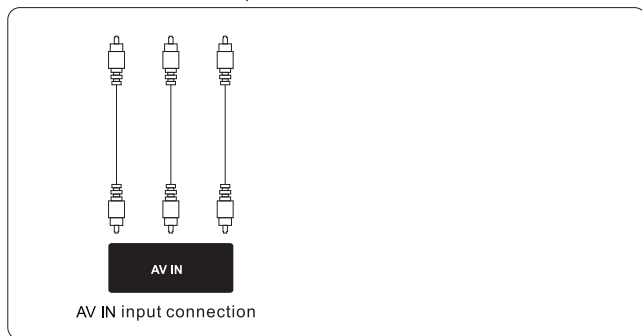
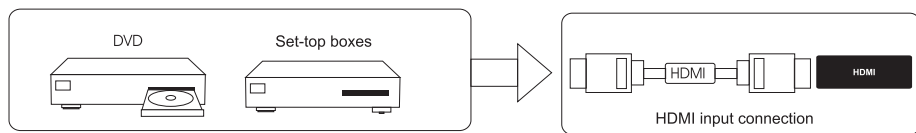


Rear AV Connections



Connector	Function	Description
	COAX	Connection for Digital Coaxial input for Audio Amplifier.
	HDMI	Connect to equipment with HDMI output.
	RF (DVB-T2)	Antenna Input terminal Connect to equipment with antenna output or wall antenna socket.
	DVB-S2	DVB-S2 Input Terminal. Connect to LNB F.
	AV IN	Video and Audio(L/R)input Terminal, Audio(L/R)can be used as YPBPR Audio input.
	USB	Insert USB .
	EARPHONE	Connects audio amplifier or other device with that audio input.

INSTALLATION



INSTALLATION

Inserting Batteries in the Remote

1. Remove the battery compartment cover from the back of the remote control by lifting the cover.
2. Insert 2AAA batteries ,making sure the polarities(+and-) are aligned correctly.
3. Replace the cover.

If the remote control does not work, check these points:

- Are the polarities (+, -) correct?
- Are the batteries worn out?
- Is there an AC power failure?
- Is the power cord plugged in?
- Is there any interference or block near the remote control sensor?

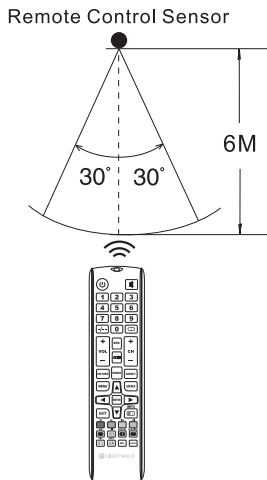
CAUTION:

- Used batteries should be recycled.
- Keep out of children's reach.
- DO NOT use new and old batteries together.
- Change both the batteries at the same time.
- When not using the remote control for a long time, remove the batteries from the unit.

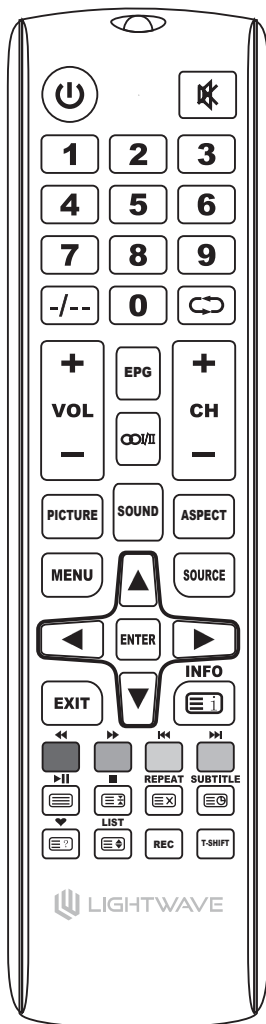
Warning: All batteries (packed or in use) must not be exposed to high temperature like sun heat or fire.

Remote Control Reception Angle

Use your remote control within the distance and angle range shown below.



REMOTE CONTROL



Button	Description
POWER	Turn the TV on and off.
MUTE	Press this button to cut off the sound of the TV set temporarily, press again to resume.
NUMBER BUTTONS	Use to choose channels (in TV mode).
-/--	Press this button before entering a program number greater than 09.
↶	Return to last viewed program/signal source.
CH+/CH-	Scroll to next/previous channel.
VOL+/VOL-	Press to increase or decrease audio volume.
EPG	Enter electronic program guide (only for DTV mode).
AUDIO	Display and select audio systems.
OO/II	The button can be used to switch among the option that you want.
PICTURE	Select the picture mode.
SOUND	Select the sound mode.
ASPECT	Press to adjust picture ratio.
MENU	Press to display or remove onscreen menus or to quit some operation.
SOURCE	Press to change signal source.
ENTER	Selects or runs a focused menu item.
Directional Pad	Directional pad (up / down / left / right). Moves the focus and changes the values seen on the TV's menu.
EXIT	Press to exit the current interface.
INFO	When pressed while you are watching a programme, detailed programme information appears.
COLOR BUTTONS	Red / green / yellow / blue key. Use as a navigation link or program edit menu.
Media Control Buttons	Digital media player control button: Include play / pause, stop, backward, forward, next, previous (in USB mode).
REC	To start Record Channel. Press to start recording channels stream to your USB flash disk.
T-SHIFT	Press the button to pause current DTV program and start record background (Used for models with DTV function only)
REPEAT	USB Mode: Press to select the repeat play mode.
SUBTITLE	Press the button to display available subtitles (in DTV mode).
♥	Press to display the favourite programmes selected (in TV mode).
LIST	TV Mode: Press to call Channel List.
Index Icon	TXT Mode: INDEX-Press to call Index main page.
Teletext Icon	TXT Mode: Press to call teletext. Press button again to turn off teletext.
Hold Icon	TXT Mode: HOLD-press button to freeze teletext page. Press button again to unfreeze page.
Cancel Icon	TXT Mode: Cancel the teletext but not to exit teletext press again to show teletext.
Subpage Icon	TXT Mode: Press button to turn on Subpage. Press again button to turn off Subpage.
Hidden Icon	TXT Mode: Press button to display hidden teletext information.
Size Icon	TXT Mode: Size-Press to change teletext size.

- The unit contains different setting menus. Once the initial programming is entered, it will be remained in the memory until change, and the unit can always be operated under the same conditions.
- The settings will be remained in the memory until the settings are changed, even after setting the player to standby mode.

Common procedure for initial settings

- Press MENU button on the remote control to display the main menu.
- Press UP or DOWN navigation button to select submenus.
- Press OK or RIGHT navigation button to enter submenu page.
- Press UP or DOWN navigation button to select preferred option.
- Press LEFT or RIGHT navigation button to adjust the value.
- Press OK button to confirm selection.
- Press MENU button to return to previous menu page.
- Press EXIT button to exit menu page.

SIGNAL SOURCE SELECTION

1. Press the Source button on the remote control. In the pop-up interface, select the source you need and click on it.



CHANNEL

1. Press the source button ‘ ’ on the remote control, and select TV in the pop-up interface.
 2. Press the menu button on the remote control to enter the CHANNEL settings interface.
 3. Press the directional buttons on the remote control to select the content settings you need.



AUTO TUNING

1. After entering the CHANNEL interface, press the directional keys on the remote control to select "Auto Tuning";
2. Then press the MENU key to enter the interface, and the channels will be automatically scanned.



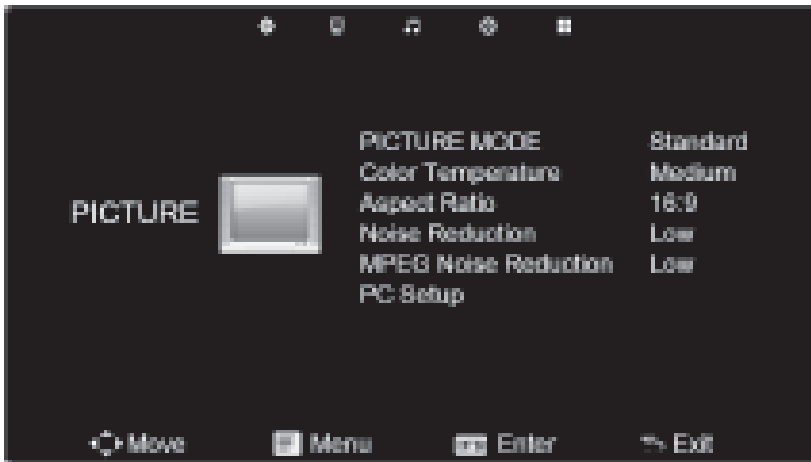
ATV MANUAL TUNING

1. After entering the CHANNEL interface, press the directional keys on the remote control to select "ATV Manual Tuning";
2. Then press "ENTER" to enter the interface and select the content you need to set.



PICTURE

1. Press the source button on the remote control and select TV from the pop-up interface.
2. Then press the menu button on the remote control to enter the settings interface.
3. After entering the interface, select "PICTURE" from the top options.
4. Press the directional buttons on the remote control to select the content you want to set.



SOUND

1. Press the source button on the remote control and select TV from the pop-up interface.
2. Then press the menu button on the remote control to enter the settings interface.
3. After entering the interface, select "SOUND" from the top options.
4. Press the directional buttons on the remote control to select the content you want to set.



TIME

1. Press the source button on the remote control and select TV from the pop-up interface.
2. Then press the menu button on the remote control to enter the settings interface.
3. After entering the interface, select "TIME" from the top options.
4. Press the directional buttons on the remote control to select the content you want to set.



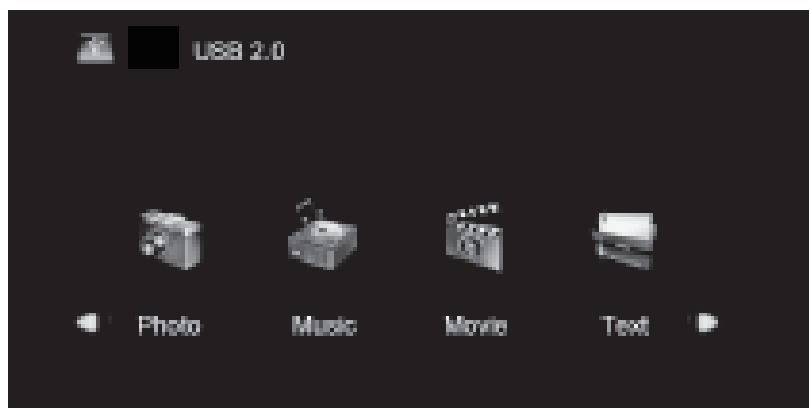
OPTION

1. Press the source button on the remote control and select TV from the pop-up interface.
2. Then press the menu button on the remote control to enter the settings interface.
3. After entering the interface, select "OPTION" from the top options.
4. Press the directional buttons on the remote control to select the content you want to set.



Read USB flash drive

1. Press the source button on the remote control and select 'USB' from the pop-up interface.
2. Enter the interface and select the content you want to open according to the categories Photo/Music/Movie/Text.



HELP

No power	• Check if the AC cord of TV is plugged in or not. If there's still no power, please disconnect the plug and reconnect to the socket after 60 seconds. Turn the power back on.
Signal not received properly	• Double or phantom images may appear on your TV if there are high buildings or mountains close to where you are. You can adjust the image through manual operation: consult instruction of vernier regulation, or adjust the direction of the external antenna. • If you use an indoor antenna, signal reception may be more difficult under certain circumstances. Adjust the direction of the antenna for optimum reception. If this does not improve reception, you may have to switch to an external antenna.
No picture	• Check if the antenna at the back of the TV is connected properly. • View other channels to see if the problem still occurs.
Video appears with no audio	• Try increasing the volume. • Check if the TV's sound is on mute or not.
Audio is present, but video does not appear or is discolored	• Try adjusting the contrast and brightness.
Static noise affects video and audio quality	• Check if the antenna at the back of the TV is connected properly.
Broken lines on screen	• Electrical appliances such as hair dryers or vacuums etc. may be interfering with your TV set. Switch these appliances off.
Remote doesn't work	• Make sure the plastic bag which came with the remote control is removed. Try using the remote a shorter distance from the TV. Check if the placement of the batteries is correct, or try using new batteries with the remote control. • The TV will go into Standby mode if it receives no response after a few minutes.
Lines appearing when a device is connected to the RCA port	• Make sure you are using a cable in good quality.
Problems are unresolved	• Unplug the power cable and wait for 30 seconds, then reconnect to the socket. If problems still persist, do not attempt to repair the TV by yourself. Kindly contact the service center.

Do not leave your TV displaying a static image, whether it is from a paused video, menu screen, etc. for an extended period of time, as doing so will damage the display and may cause image burn-in.

LIMITED WARRANTY STATEMENT

Limited Warranty Statement

Dear Customer,

Congratulations on your purchase.

The guarantee starts on the day of purchase, therefore we kindly ask you to retain your proof of purchase.

Exclusions from guarantee:

The following are not covered by the guarantee:

- Misuse in anyway / Neglect: Improper maintenance or installation. Mechanical damage or repair by an unauthorized source. Repair and / or modification by any party other than the authorized service centre.
- Damage caused by violence.
- Improper environment (humidity, dust, power surges or other irregularities).
- Transport damage, including transport damage to the repair centre due to improper packaging.
- Damage to the monitor caused by exposure to magnetic fields, mechanical stress, scratches and tears to the flat panel module and glass breakage.
- Neither the manufacturer nor the authorized service centre is liable for loss of income, orders or time due to product failure. The liability of the manufacturer or the authorized service centre is limited to the costs of the repair and / or replacement of the product. The authorized agent reserves the right to change the terms of warranty at any time without prior notice.

Excluded from warranty are products in any of the following categories:

1. The unit marked with indelible devices.
2. The unit is security attached, in any way that has caused damage to the housing.
3. Any damage to the housing.

Pixel warranty

The standard of production techniques today cannot guarantee an absolutely pixel fault- free monitor. A few isolated constant lit or unlit pixels may be present. Your flat panel is typically considerably better than standard requirements. A maximum of 3 lit or 3 unlit pixels or a total of 5 non-performing sub-pixels are permitted.

Notes on the flat panel screen

- The flat panel screen is manufactured using high-precision technology so over 98% of the pixels are operational for effective use. However, some tiny black and / or bright dots (white, red, blue or green) may appear on the screen. These dots are a normal result of the manufacturing process and do not affect normal use and are usually not visible during normal picture viewing from the recommended viewing distance.
- If water droplets or other liquids splash on the display, immediately wipe the screen with a soft cloth. Leaving liquids on the display surface can harm the quality and cause a malfunction.
- Do not press against the display. The screen may be discoloured and that may cause damage.

Flat panel backlight (restricted 12 month warranty on flat panel)

The backlights of the flat panel have a limited lifetime. In case your monitor display becomes too dark it might be necessary to replace the backlights. Please contact our service centre. The exchange will be made against paying an appropriate handling charge.

WARNINGS

(1). The power supply cord is used as the disconnect device, for pluggable equipment, the socket-outlet shall be easily accessible.

(2). Stability hazard

The television set may fall, causing serious personal injury or death. A television set can fall, causing serious personal injury or death. Any injuries, particularly to children, can be avoided by taking simple precautions such as:

- ALWAYS use cabinets or stands or mounting methods recommended by the manufacturer of the television set.
- ALWAYS use furniture that can safely support the television set.
- ALWAYS ensure the television set is not overhanging the edge of the supporting furniture.
- ALWAYS educate children about the dangers of climbing on furniture to reach the television set or its controls.
- ALWAYS route cords and cables connected to your television so they cannot be tripped over, pulled or grabbed.
- NEVER place a television set in an unstable location.
- NEVER place the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support.
- NEVER place the television set on cloth or other materials that can be located between the television set and supporting furniture.
- NEVER place items that might tempt children to climb, such as toys and remote controls, on the top of the television or furniture on which the television is placed.

(3). Replacement of a battery with an incorrect type that can defeat a safeguard.

Do not dispose of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion;

Do not leave a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas

Do not expose the battery to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas



The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.



If at any time in the future you should need to dispose of this product please note that: Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. (Waste Electrical and Electronic Equipment Directive)

