

AVGO™

LED TV

USER MANUAL

MODEL NO.: NN43A



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ENERGY STAR® Qualification.

The energy consumption may change when the default TV configuration and settings are changed.

Enabling certain features and functionality in this product (e.g. Picture Mode, Volume) may increase its energy consumption, possibly beyond the limits required for ENERGY STAR® qualification.

This product has earned the ENERGY STAR® qualification meeting US Federal Energy Efficiency guidelines as established by the Department of Energy and Environmental Protection Agency. The ENERGY STAR® program exists to provide energy saving guidelines and help promote energy efficient products and practices.

Power Saving Mode is the mode in which the product qualifies for ENERGY STAR®.



IMPORTANT

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

Keep this manual handy for further reference.

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Warning: To reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.

2) No naked flame sources, such as lighted candles, should be placed on the apparatus.

3) Attention should be drawn to environmental aspects of battery disposal.

3) Use of the apparatus in moderate climates.

	CAUTION / ATTENTION RISK OF ELECTRIC SHOCK. DO NOT OPEN RISQUE D'ÉLECTROCUTION. NE PAS OUVRIR.	
CAUTION: TO REDUCE 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.



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 HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES OR OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.

CAUTION: TO PREVENT ELECTRIC SHOCK. DO NOT USE THIS POLARIZED PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

WARNING: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

**FCC Declaration or Conformity Compliance statement
(Part 15):**

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. The party responsible for compliance to these rules is:

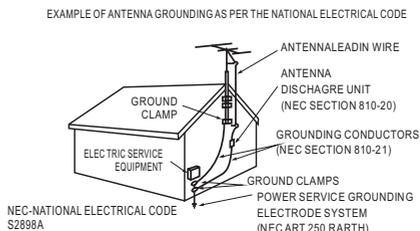
Bluestem Brands Inc.
7075 Flying Cloud Drive Eden Prairie, MN 55344
PH: 952-626-3824

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  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. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a grounding prong. The wide blade or third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12.  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 a tip-over and/or injury.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. 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.
- 15) Warning to reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. Apparatus should not be exposed to dripping or splashing, and objects filled with liquids, such as vases, should not be placed on the apparatus.
- 16) An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits, as contact with them might be fatal.
- 17) Do not overload wall outlets and extension cords, as this can result in risk of fire or electric shock.
- 18) Do not push objects through any openings in this unit, as they may touch dangerous voltage points or short out parts that could result in fire or electric shock. Never spill or spray any type of liquid into the unit.

Important Safety Instructions

19) If an outside antenna or cable system is connected to the unit, be sure the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



20) When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

21) Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.

22) When you connect the product to other equipment, turn off the power and unplug all of the equipment from the wall outlet. Failure to do so may cause an electric shock and serious personal injury. Read the owner's manual of the other equipment carefully and follow the instructions when making any connections.

23) Sudden high volume sound may cause hearing or speaker damage. When you use headphones, (if the unit is equipped with a headphone jack) keep the volume at a moderate level. If you use headphones continuously with high volume sound, it may cause hearing damage.

24) Do not allow the product to output distorted sound for an extended period of time. It may cause speaker overheating and fire.

25) This reminder is provided to call the cable TV 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.

26)  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.

27)  **Correct disposal of this product. This marking indicates that this product should not be disposed with other household waste. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources.**

28) The ventilation should not be impeded by covering the ventilation openings with items such as newspaper, table-cloths, curtains etc.

29) **WARNING:** The batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire, or the like.

30) **WARNING:** The main plug is used as disconnect device, the disconnect device shall remain readily operable.

Important Safety Instructions

CHILD SAFETY:

It Makes A Difference How and Where You Use Your Flat Panel Display

Congratulations on your purchase! As you enjoy your new product, please keep these safety tips in mind:

THE ISSUE

The home theater entertainment experience is a growing trend and larger flat panel displays are popular purchases. However, flat panel displays are not always supported on the proper stands or installed according to the manufacturer's recommendations.

Flat panel displays that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chest of drawers parts may fall over and cause injury.

THIS MANUFACTURER CARES!

The consumer electronics industry is committed to making home entertainment enjoyable and safe.

TUNE INTO SAFETY

One size does NOT fit all. Follow the manufacturer's recommendations for the safe installation and use of your flat panel display.

Carefully read and understand all enclosed instructions for proper use of this product. Don't allow children to climb on or play with furniture and television sets.

Don't place flat panel displays on furniture that can easily be used as steps, such as a chest of drawers.

Remember that children can become excited while watching a program, especially on a "larger than life" flat panel display. Care should be taken to place or install the display where it cannot be pushed, pulled over, or knocked down.

Care should be taken to route all cords and cables connected to the flat panel display so that they cannot be pulled or grabbed by curious children.

Warning: Batteries (primary or rechargeable) should not be exposed to excessive heat such as sunshine, fire, or other heat sources. Please do not mix new battery and old battery for recycle using.

Important Safety Instructions

CONDENSATION

Moisture will form in the operating section of the unit if the unit is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, the unit's performance will be impaired. To prevent this, let the unit stand in its new surroundings for about an hour before switching it on, or make sure that the room temperature rises gradually.

Condensation may also form during the summer if the unit is exposed to the breeze from an air conditioner. In such cases, change the location of the unit.

HOW TO HANDLE THE LCD PANEL

- Do not press hard or jolt the LCD TV. It may cause the LCD TV glass to break and injury may occur.
- If the LCD TV is broken, make absolutely sure that you do not touch the liquid in the panel. This may cause skin inflammation.

If the liquid gets in your mouth, immediately gargle and consult with your doctor. Also, if the liquid gets in your eyes or touches your skin, consult with your doctor after rinsing for at least 15 minutes or longer in clean water.

Possible Adverse Effects on LCD Panel: If a fixed (non-moving) pattern remains on the LCD panel for long periods of time, the image can become permanently engrained in the LCD panel and cause subtle but permanent ghost images. This type of damage is NOT COVERED BY YOUR WARRANTY. Never leave your LCD TV on for long periods of time while it is displaying the following formats or images:

- Fixed Images, such as stock tickers, video game patterns, TV station logos, and websites.
- Special Formats that do not use the entire screen. For example, viewing letterbox style (16:9) media on a normal (4:3) display (black bars at top and bottom of screen); or viewing normal style (4:3) media on a widescreen (16:9) display (black bars on left and right sides of screen).

The following symptoms are not signs of malfunction but technical limitation. Therefore we disclaim any responsibility for these symptoms.

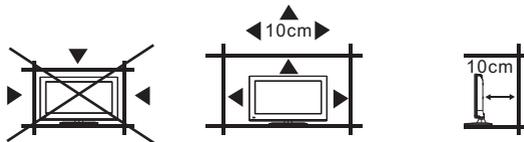
LCD Panels are manufactured using an extremely high level of precision technology, however sometimes parts of the screen may be missing picture elements or have bright spots/pixels. This is not a sign of a malfunction.

Do not install the LCD TV near electronic equipment that produces electromagnetic waves. Some equipment placed too close to this unit may cause interference.

Effect on infrared devices – there may be interference while using infrared devices such as infrared cordless headphones.

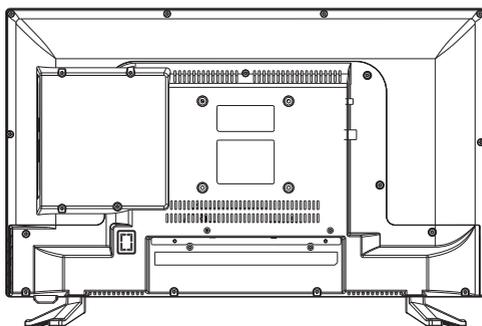
Important Safety Instructions

The unit emits heat when in operation. Do not place any covers or blankets on the unit, this may cause overheating. Do not block ventilation holes, or operate near radiators. Do not place in direct sunshine. When placing on a shelf 10 cm (4 inches) free space must be available around the entire unit.



Notes when mounting the LCD TV on a wall

- If the unit is to be mounted on the wall, contact the retailer where you purchased the LCD TV for advice, and have the equipment professionally installed. Incomplete or improper installation may cause injury to you, and/or damage to the LCD TV.
- Bracket holes: To attach a wall mounting bracket (not supplied) attach where indicated in the drawing below.
- This manufacturer recommends professional installation.
- Utilize an appropriate bracket and fasteners, sufficient to accommodate the size and weight of the unit.
- Assure the wall to which the unit is to be mounted will safely support the size and weight of the unit, using the bracket and fasteners you have selected.
- Keep cords and cables connected to this flat panel display out of reach of children.
- To hang the television on the wall, remove the screws and then remove the stand. To avoid damage to the TV, place the TV on a table, face down on a soft surface.



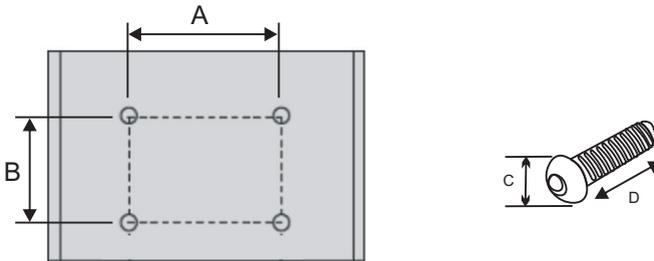
Note: Drawing is a representative example only

TV Bracket assemble

Fix the TV on the wall

1. First, put the TV on the table smoothly and put some soft cloth on the table to avoid getting scratched the screen.
2. Use a screwdriver to take off the screws which are fixed on the bottom stand (the direction of the arrow, refer to the photo1). Please be careful when taking off the bottom stand.
3. Make one bracket which can fix on the wall according to the size of the TV. Refer to the direction of photo2 and photo3.
4. Drill four holes properly on the wall (the size only for reference) and put into four screws. (optional parts)
5. According to the step 4, use the screwdriver to lock the screw on the back of the TV. Then hang the TV on the wall.

Wallmounting Installation



Product family	Inches	Specifications VESA(A*B)	Standard screw (C*D)	quantity
LED TV	24	10cm x 10cm	M4*L6	4

Note: "D" is the effective length of the screw in the mounting hole.

The figures and illustrations in this manual are provided for reference only and may differ from their actual appearance. The product design and specifications may change without notice.

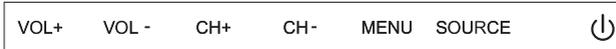
Note:

1. The bracket fixed on the wall is optional part.
2. When you assemble the TV, there should be no other articles on the table and front panel, please keep the distance from other articles.
3. When assemble the TV, please ask the professional worker to fix the TV in order to avoid the danger.
4. The fixing picture is only for reference.
5. Please follow the user's manual about bracket assemble to fix the TV.
6. Attach the mounting bracket with the VESA compatible wall mounting kit.

TV Buttons and Connections

TV Buttons

Note: The following is only a representation of the buttons on your unit. The actual position and arrangement of the buttons may differ by model.



: Turn ON/OFF Power.

SOURCE: External Signal Input Selection.

MENU: Display Main MENU Confirm MENU Item Selection.

CH+/-: Select Channel.

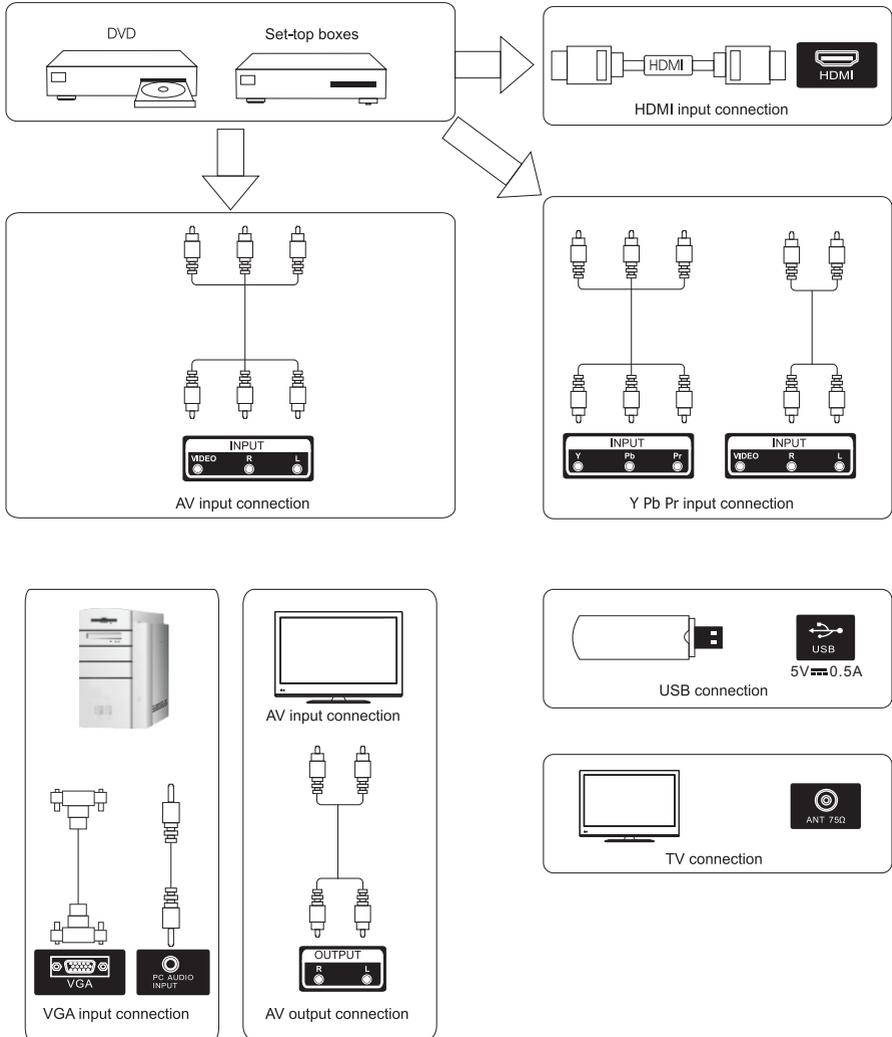
VOL+/-: Adjust Volume.

Connections

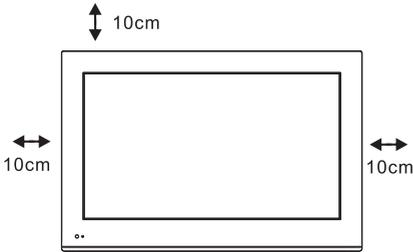
Note: The following are the various connections available, the actual position and arrangement and the number of each type may differ by model. Some models do not have all available connections.

	AV Input External AV Signal Input and Right/Left Audio Inputs.		HEADPHONE JACK Plug earphones into jack for private listening. Overrides speakers.
	AV Output External AV Signal Output and Right/Left Audio Outputs.		USB Input Connect to your USB device.
	Component Input Connect to a component output connection on your external device.		COAXIAL Output Connect to your SPDIF device
	HDMI Input(HDMI1,2,3) Connect to a HDMI output connection on your external device.		Output Audio Out Right/Left Connect to your external device.
	ANT 75/RF Connection Connect to the antenna/cable TV output of your device or wall plate.		OPTICAL Digital Audio Output.
	VGA Input Connect to your PC using a VGA cable(not provided).		
	PC Audio Input Connect to your PC Audio Out using 1/8 line cord.		

External device connection diagram



Install and Connect TV



Setup your TV

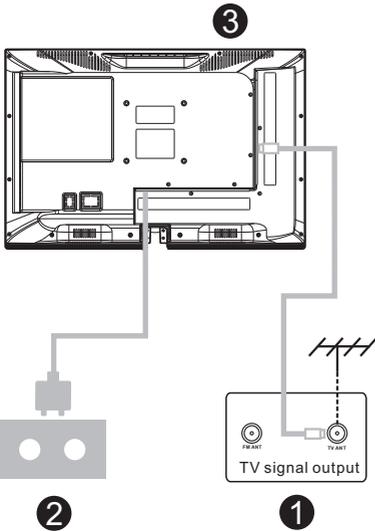


Put your TV in a place that can bear the weight of the TV.

To avoid danger, please do not assemble the TV near water or extreme heat (such as a furnace, light source, or candle.) Do not block the ventilation on the back of the TV.

Connect signal source and power

2. Connect the antenna cable to the RF connection on the back or side of the TV, and/or the signal source HDMI cable to the HDMI input(s) on the rear or side of TV. Plug the TV into the wall power outlet (AC120 ~ 60Hz).



Turn on the TV

3. While in standby mode the power indication light will be red. Press the power button on the TV or remote control. The light will change to green.

Note:

Picture for reference purposes only.

TV Feet Installation Instructions



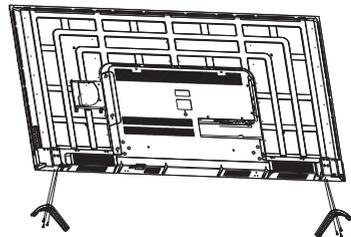
1. Open the carton and remove the TV, accessories, and the stand/feet.

2. To avoid damage to the TV, place on a table, face down on a soft surface. The feet are attached to the TV with the provided screws.



3. Ensure all feet screws are tightened securely. Do not overtighten.

Your TV will have either a Feet. Assemble accordingly.



Setup Wizard

Setup Wizard

If your preferred language is French or Spanish, exit this Setup Wizard by pressing the Menu button, and follow the instruction on page 19 to make your language selection and re-enter the Setup Wizard from that Menu screen.

Connect a  cable from your incoming antenna/cable jack to the TV's input labeled "ANT", and/or a  cable from your signal source to the HDMI input jack.

Select TV Configuration

Press ◀/▶ button to select the **TV Configuration** to be used.

Press ▼/▲ button to select - Go to next step - and press **ENTER / ▶** .



This product meets **ENERGY STAR®** guidelines for energy efficiency. **ENERGY STAR®** and the **ENERGY STAR®** mark are registered U.S. marks . **ENERGY STAR®** is a registered mark owned by the U.S. government.

Home Mode(Energy Saving):Select Home Mode to maximize energy efficiency.Please note if you select Home Mode,the picture will be darker . This mode meets the requirements of ENERGY STAR® qualification .

Retail Mode: Select Retail Mode if you would like your picture to be brighter. At times this mode may use more energy to operate the Volume/Sound Mode and the picture Mode.In this setting,the power consumption may possibly exceed the limited requirement of the ENERGY STAR® qualification .

ENERGY STAR® is a set of power-saving guidelines issued by the U.S. Environmental Protection Agency(EPA).

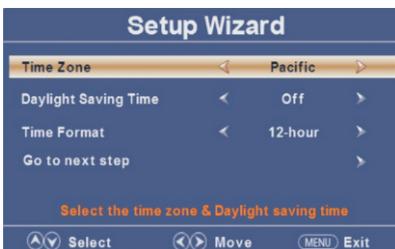
ENERGY STAR® is a joint program of U.S. Environmental Protection Agency and the U.S. Department of Energy helping us all save money and protect the environment through energy efficiency products and practices.

Select Time

Press ▼/▲ button on the remote to select the time zone, daylight saving time and time format you prefer.

Press ◀/▶ button on the remote control to adjust.

Press ▼/▲ button on the remote control to select - Go to next step - and press **ENTER / ▶** .



Setup Wizard

Auto Scan

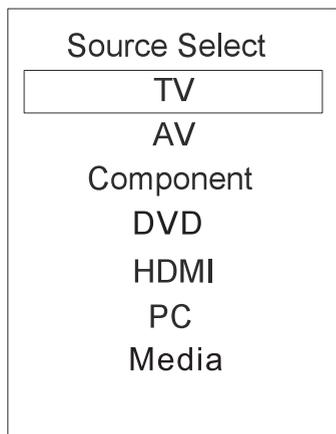
Press ◀/▶ on the remote to select the antenna type (Air/Cable).

Press ▼/▲ on the remote to select - Go to next step - and press the ENTER/▶ button to start auto scan.



Select Input Source

THE NUMBER OF HDMI CONNECTIONS MAY DIFFER DEPENDING UPON MODEL SIZE



Press the **INPUT** button to display the input source list.

Press **▼ / ▲** or **INPUT** to choose your signal source.

Press **ENTER** to confirm your selection.

Press **EXIT** to leave the Source Menu.

Main Menu



Press **MENU** to display the Main menu, return to the previous menu, or close the Main menu.
Press **◀ / ▶** to highlight the desired menu icon, and press **ENTER** to select.

TV

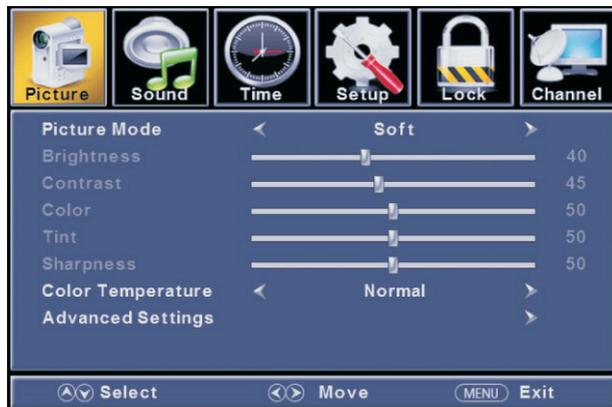
Main Menu Operation

Picture Menu

Press **MENU** to enter the Main menu, press ◀ / ▶ button to select.

Press **ENTER** / ▼ to make your selection

Press **MENU** again to exit or return to the Main menu.



Press ▼ / ▲ button to select among Picture Mode / Brightness / Contrast / Color / Tint / Sharpness / Color Temperature / Advanced Settings.

Press **ENTER** to select.

Press ◀ / ▶ to adjust.

Press **MENU** again to return to the Main menu.

【Picture Mode】

Adjust picture mode to change picture appearance.

Press ◀ / ▶ button to select (Standard / Dynamic / Soft / User / Power saving).

Note: The brightness, contrast, color, tint and sharpness adjustments are available only in User Mode.

Standard Produces a highly defined image in a normally lit room.

Dynamic Produces a highly defined image in a brightly lit room.

Soft Produces a highly defined image in a softly lit room.

User Select to customize picture settings.

Power saving Lower power consumption.

【Brightness】

Adjust the visual perception output of the entire picture; it will affect the luminousness of the picture.

Press ◀ / ▶ button to adjust.

【Contrast】

Adjust the highlight intensity of the picture. The shadow of the picture cannot be adjusted.

Press ◀ / ▶ button to adjust.

TV

【Color】

Adjust the saturation of the color based on your preference.
Press ◀ / ▶ button to adjust.

【Tint】

Adjust the hue (Red,Green,Blue) of the picture.
Press ◀ / ▶ button to adjust.

【Sharpness】

Adjust the detail of the picture.
Press ◀ / ▶ button to adjust.

【Color Temperature】

Increase or reduce warm color tones (reds), and the cool color tones (blues) according to your preference.

Normal	Preset color selection.
Warm	Increase the red color tone.
Cool	Increase the blue color tone.

【Advanced Settings】

Adjust advanced video features to fine tune the picture.
Press ▶ button to enter the sub-menu.



【Aspect Ratio】

Adjust how the picture fills the screen.

Normal	Automatically adjusts Aspect Ratio based on TV size and TV program.
Wide	Use to watch wide screen (16:9) content.
Zoom	Expands image to fill the screen. Top and bottom may be cut off.
Cinema	Stretches image at edges but keeps a clear image in the center.

【Noise Reduction】

Set options to reduce video noise.

Off	Select to turn off video noise detection.
Low	Detect and reduce low video noise.
Middle	Detect and reduce moderate video noise.
High	Detect and reduce enhanced video noise.

TV

【Dynamic Contrast】

Automatically adjusts picture detail and brightness.
Press ◀/▶ to select (Off/On)

【HDMI Mode】

Only available if you are connected using the HDMI input.
Press ◀/▶ button to select (Video/Graphic).

Sound Menu

Press **MENU** to enter the Main menu, Press ◀/▶ button to select Sound.
Press **ENTER** / ▼ to enter the menu.
Press **MENU** again to exit or return to the Main menu.



Press ▼ / ▲ button to choose the Sound Mode / Bass / Treble / Balance / MTS / Audio Language / Digital Audio Output/ Surround Sound/AVL.
Press **ENTER** / ▼ to enter.
Press ◀ / ▶ button to adjust.
Press **MENU** again to exit or return to the Main menu.

TV

【 Sound Mode 】

Select a sound mode to achieve ideal sound.

Press ◀ / ▶ button to select (Standard / Music / Movie / Sports / User).

Note: The bass and treble are only available in User mode.

Standard	Produces a balanced sound in all environments.
Music	Preserves the original sound. Good for musical programs.
Movie	Enhances treble and bass for a rich sound experience.
Sports	Enhances vocals for TV audio.
User	Select to customize audio settings.

【 Bass 】

Adjust the bass effect. Increases or decreases lower-pitched sounds.

Press ◀ / ▶ button to adjust

【 Treble 】

Adjust the treble effect. Increases or decreases higher-pitched sounds.

Press ◀ / ▶ button to adjust.

【 Balance 】

Adjust the balance between left and right speakers to adapt to your listening preference.

Press ◀ / ▶ button to adjust.

【 MTS 】

Configures the multi-track sound. It is only available in ATV.

Press ◀ / ▶ button to select (Mono/Stereo/SAP)

Mono	Sets the sound to mono.
Stereo	Sets the sound to stereo. When stereo is not available, the sound is automatically switched to mono.
SAP	Sets the sound to the second audio program.

【 Audio Language 】

Select the language supported by the chosen digital channel. This feature is only available in DTV.

Press ◀ / ▶ button to select (English / French / Spanish).

【 Digital Audio Output 】

Send digital audio to external audio system.

Press ◀ / ▶ button to select.

PCM	Select to output audio in 2-channel stereo.
Raw	Original image coded data.
Off	Set digital audio output off.

【 Surround Sound 】

Select the speaker sound effect to be surround or not. Default is Off.

Press ▼ / ▲ button to select Surround Sound, then press ◀ / ▶ button to select (On/Off).

Default is off.

【 AVL 】

Set the auto volume control.

Press ◀ / ▶ button to select (On / Off).

NOTE:

Balance: This feature adjusts the speaker's output; it enables you to adjust the volume level of your speakers to suit your preference.

AVL: This feature balances the volume variance between different scenes automatically. This function will also reduce the fluctuation of the sound.

TV

Time Menu

Press **MENU** to enter the Main menu, Press ◀/▶ button to select **Time**.

Press **ENTER** / ▼ to enter

Press **MENU** again to exit or return to the Main menu.



Press ▼ / ▲ button to select among Sleep Timer / Time Zone / Daylight Saving Time / Time Format / Auto Clock / Clock.

Press **ENTER** / ▼ to enter.

Press ◀ / ▶ button to adjust.

Press **MENU** again or back to parent menu.

【Sleep Timer】

Set the timer for the TV to turn off automatically.

Press ◀ / ▶ button to select (Off / 5min/10min /15min/ 30min / 60min / 90min / 120min/180min/240min).

【Time Zone】

Select your time zone.

Press ◀ / ▶ button to select (Eastern / Central / Mountain / Pacific / Alaska / Atlantic).

【Daylight Saving Time】

Set the daylight saving time for your area.

Press ◀ / ▶ button to select (On / Off).

【Time Format】

Select your time format.

Press ◀ / ▶ button to select (12-hour / 24-hour).

【Auto Clock】

Use to synchronize the display automatically. This is only available in DTV

Press ◀ / ▶ button to select (On / Off).

Setup Menu

Press **MENU** to enter the Main menu, Press ◀/▶ button to select.
 Press **ENTER** / ▼ to enter.
 Press **MENU** again to exit or return to the Main menu.



Press ▼ / ▲ button to select among Menu Language / Transparent / OSD Timeout / Closed Caption / Over Scan / Input Label / Other settings / Restore Default / Setup Wizard / Voice Guidance / Video Description.

Press **ENTER** / ▼ to enter.
 Press ◀ / ▶ button to adjust.
 Press **MENU** again or back to parent menu.

【 Menu language 】

Select an OSD menu language to be displayed. English is selected as the default menu language.
 Press ◀/▶ button to select language (English / Français / Español).

【 Transparent 】

Adjust the transparency of the OSD (on screen display) menu. Press ◀/▶ button to select.
 (0%, 25%, 50%, 75%, 100%)

【 OSD Time out 】

Adjust the duration of the OSD (on screen display) menu.
 Press ◀/▶ button to select. (5 Sec., 15Sec., 30Sec., 45Sec., 60Sec).

【 Closed Caption 】

Adjust Closed Captioning settings. Only available under TV and AV source. Press **ENTER** / ▶ button to enter.
 For details, please refer to following page.

TV

Closed Caption

【CC Mode】

Turn Closed Captioning on/off.

Press ◀/▶ button to select (CC Off / CC On / CC On / Mute).

【Analog CC】

Set Closed Captioning for standard (analog) program.

Press ◀/▶ button to select (CC1 / CC2 / CC3 / CC4 / TEXT1 / TEXT2 / TEXT3 / TEXT4).

【Digital CC】

Set Closed Captioning for digital program.

Press ◀/▶ button to select (Service1 / Service2 / Service3 / Service4 / Service5 / Service6).

【Option】

Adjust the digital Closed Captioning setting.

Press ▶ button to enter.

【Mode】

Set the style of digital Closed Captioning. Automatic uses broadcaster's style. Press ◀/▶ button to select (Default / Custom).

【Font Style】

Select from 8 font styles.

Press ◀/▶ button to select (Default / Font 0 / Font 1 / Font 2 / Font 3 / Font 4 / Font 5 / Font 6 / Font 7).

【Font Size】

Adjust the size of the digital Closed Captioning font. Press ▼ button to select (Default / Normal / Large / Small).

【Font Edge Style】

Adjust the edge of the digital Closed Captioning box.

Press ◀/▶ button to select (Default / None / Raised / Depressed / Uniform / Left Shadow / Right Shadow).

【Font Edge Color】

Adjust the color of the digital Closed Captioning box.

Press ◀/▶ button to select (Default/ Black / White / Red / Green / Blue / Yellow / Magenta / Cyan).

【FG Color】

Adjust the color of the digital Closed Captioning font.

Press ◀/▶ button to select (Default/ Black / White / Red / Green / Blue / Yellow / Magenta / Cyan).

【BG Color】

Adjust the digital Closed Captioning background color.

Press ◀/▶ button to select (Default/ Black / White / Red / Green / Blue / Yellow / Magenta / Cyan).

【FG Opacity】

Adjust the transparency of the digital Closed Captioning font.

Press ◀/▶ button to select (Default / Solid / Flashing / Translucent / Transparent).

【BG Opacity】

Adjust the digital Closed Captioning background transparency.

Press ◀/▶ button to select (Default / Solid / Flashing / Translucent / Transparent).

TV

【Over Scan】

Press ◀▶ button to select (On / Off).

It is only available to enter 1080i/720p/1080p in DTV/Component/HDMI when Default is On. It presets to On in ATV/AV. It presets to Off in PC/USB.

【Input Labels】

Create labels for the devices connected to your TV. Press ENTER / ▶ button to enter.



【Other Settings】

Set the parameter of audio only. Press ENTER / ▶ button to enter.



【Blue Screen】

To select the transition type preferred while changing from one channel to another. Press ◀▶ button to select (On / Off).

【Audio Only】

Play the audio with the picture turned off. When you turn the Audio only on and exit the OSD menu, the panel will be dark; then press any key to exit the Audio Only status.

Press ◀▶ button to select (On / Off).

TV

【Restore Default】

Change power on options or reset TV to factory default.
Press **ENTER/▶** button to enter.



【Setup Wizard】

Reset to initial settings.
Press **ENTER/▶** button to enter
For detail please refer back to the Setup Menu instructions, page 11.

【Voice Guidance】

Set the auto voice guidance control.
Press **◀/▶** button to select(On / Off).



Volume

Adjust TTS volume.
Press **◀/▶** button to select(High/Low/Middle).

Speed

Adjust TTS speed.
Press **◀/▶** button to select(Normal/Fast/Slow).

Pitch

Adjust TTS tone.
Press **◀/▶** button to select(High/Low/Middle).

【Video Description】

Select main audio/secondary audio stream containing the video description.
Press **◀/▶** button to select(On/Off)

TV

Lock Menu

Press **MENU** to enter the Main menu, Press **◀▶** button to select.

Press **ENTER / ▼** to enter.

Lock Menu defeat password "0000".

Press **MENU** again to exit or return to the Main menu.



Press **▼ / ▲** button to select Change Password/ System Lock / Input Block / US Rating / Canada Rating / RRT Setting / Reset RRT / Hotel Menu

Press **ENTER / ▼** to enter.

Press **◀ / ▶** button to adjust.

Press **MENU** again or back to parent menu.



TV

【Change Password】

Enter a new 4-digit password then re-enter it to confirm.
Press ► button to enter.

【System Lock】

Lock or unlock the buttons on the TV. Press ◀/▶ button to select (Off / On).

【Input Block】

Block or unblock the input sources.
Press ► button to enter.
Press ◀/▶ button to select (Unblock / Block).



【US Rating】

Restrict movie and TV programs by US Ratings. Only available when System Lock is on.
Press ► button to enter.
For details please refer to page 25-26

【Canada Rating】

Restrict movie and TV programs by Canadian Ratings.
Only available when System Lock is on.
Press ► button to enter.
For details please refer to page 26

【RRT Setting】

Display an advance V-Chip rating table for digital channels.
This item is available only when current stream has downloadable rating data.

【Reset RRT】

Reset the RRT to default.
This item is available only when current stream has downloadable rating data.

【Hotel Menu】

Press ► button to enter.
For details please refer to page 27.

TV

US Rating

For the United States, the rating settings include the following options: TV, MPAA.

TV

The TV rating is composed of two aspects: age-based and content-based.



Age	Define
TV-Y	All children
TV-Y7	7 years old and above
TV-G	General audience
TV-PG	Parental guidance
TV-14	14 years old and above
TV-MA	17 years old and above

*Note:

The content ratings will increase depending on the level of the age-based rating. For example, a program with a TV-PG V (violence) rating may contain moderate violence, while a TV-14 V (violence) rating may contain intense violence. So locking a higher level option will automatically unlock options that have more sensitive levels.

TV

MPAA

This system defines the rating control which come from MPAA rules.

Rating Define

G	General  ience. All ages admitted.
PG	Parental guidance suggested. Some material may not be suitable for children.
PG-13	Parents strongly cautioned. Some material may be inappropriate for children under 13.
R	Restricted. Children under 17 require accompanying parent or adult guardian.
NC-17	No one 17 and under admitted.
X	Adult audience only.
Off	No Rating Set. Offers no restriction to access.

Canada Rating

For Canada, the rating setting include  the following options: Canada English, Canada French.

Canadian English

These ratings are for programs which are the English rating system.

Rating	Defined as
Off	News and sports
C	Children
C8+	Children 8 years and older
G	General programming
PG	Parental guidance
14+	Viewers 14 and older
18+	Adult programming

Canadian French

The ratings are for programs which are the French rating system.

Rating	Defined as
Off	News and sports
G	General
8 ans+	Not recommended for children under age 8
13 ans+	Not recommended for children under age 13
16 ans+	Not recommended for children under age 16
18 ans+	This program is restricted to adults

TV

Hotel Menu

The Hotel menu is locked in the factory setting.
To unlock, please press Menu, then 1229 using the remote control.



【Hotel Mode】

Set  mode On or Off.

Note: The following settings work only when Hotel Mode is set to be On.

【Boot Setting】



【Picture Mode】

Adjust picture mode to change picture appearance.

Press ◀/▶ button to select (Standard / Dynamic / Soft / User / Power saving).

【Default Volume】

Set the default volume for every time you turn on the TV, the default volume is 20.

【Max Volume】

Set the max volume that you can adjust.

【Boot Source】

Set the default input source when turning on your TV.

TV

【 Boot Channel 】

Set boot channel On or Off.

Note: Channel Select is available when Boot Channel is set to On.

【 Channel Select 】

Set boot default on selected channel after channel search has been completed.

【 Hotel Lock 】

To lock the Tuner/Key Pad/Menu set Tuner Lock to On.

Channel searching is invalid when Tuner Lock is On.



【 Power Save 】

Set the timer for the TV to turn off automatically.

Available Timer: 60Min, 120Min, 180Min, 240Min, Off

【 TV to USB 】

Backup data to USB.

【 USB to TV 】

Restore data from USB.

【 Reset Hotel Setting 】

Recall the default settings of the Hotel menu.

TV

Channel Menu

Press **MENU** to enter the Main menu, Press ◀/▶

Press **ENTER** / ▼ to enter ◀/▶ button to select the Channel Menu.
Press **MENU** again to exit or return to the Main menu.



Press ▼ / ▲ button to select Air/Cable / Auto Scan / Favorite / Channel List / Show/Hide / Channel Number / Channel Label .

Press **ENTER** / ▼ to enter.

Press ◀/▶ button to adjust.

Press **MENU** again or return to the Main menu.

【Air/Cable】

Select signal type.

Press ◀/▶ button to select (Air/Cable).

【Auto Scan】

Automatically searches for channels.

Press **ENTER** / ▶ button to enter.

TV

【Favorites】

Add channels to create a favorite list. Press ► button to enter.

【Channel List】

Displays your program list. Press ► button to enter.

【Show/Hide】

Show or hide the channels in your program list. Press ► button to enter.

【Channel Number】

Show the channel number.
Press ◀ / ▶ button to adjust.

【Channel Label】

Create labels for channels, up to 7 characters.
Press ◀ / ▶ button to adjust.



PC

PC Menu

Press **INPUT** to select PC  rce.

Press **MENU** to enter the  menu, Press **◀/▶** button to select Setup menu.

Press **▼** to select PC Settings.



Press **▼** / **▲** button to select H-Pos / V-Pos / Clock / Phase / Auto.

Press **ENTER** / **▼** to select .

Press **◀/▶** button to adjust.

Press **MENU** again or return to the  menu.



PC

【H-Pos】

Adjust the horizontal position of the picture. Press ◀ / ▶ button to adjust.

【V-Pos】

Adjust the vertical position of the picture. Press ◀ / ▶ button to adjust.

【Clock】

Adjust the vertical **interfering lines**. Press ◀ / ▶ button to adjust.

【Phase】

Adjust the horizontal interfering lines. Press ◀ / ▶ button to adjust.

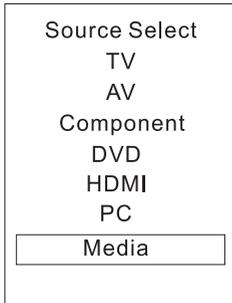
【Auto】

Adjust the screen automatically to the optimal position of the picture.
Press ▶ button to enter. You may press the AUTO button on the remote.

*Notes: In PC Mode the following functions are not available.

1. Color, Tint, Sharpness, Noise Reduction, Dynamic Contrast and HDMI Mode in PICTURE.
2. MTS and Audio Language in the SOUND menu.
3. Auto Clock in TIME menu.
4. Closed Caption in SETUP menu.
5. US Rating, RRT Setting and Reset RRT in LOCK menu.
6. CHANNEL menu.

Media



Press **SOURCE** button to display the input source list.

Press **▼** button to select Media.

Press **ENTER** button to enter Media.

Press EXIT button to quit.



The USB input is compatible with flash drives containing .jpg/.jpeg files only. HDD (hard disk drive) may be connected with a maximum storage capacity of 400G. Acceptable file types include FS, FAT32, FAT16, and NTFS (NTFS compressed files are not supported).

Press **◀/▶** button to select the Photo icon and **ENTER** to select the USB memory.

USB Function

Multimedia Categories	File Extension	Decoder	Notes
Photo	*.jpg/.jpeg	Progressive JPEG	Max Resolution: 1024×768
		Baseline JPEG	Max Resolution: 8192×8192
Note: Copyright Licenses (where applicable to displayed files) are the responsibility of the end user.			

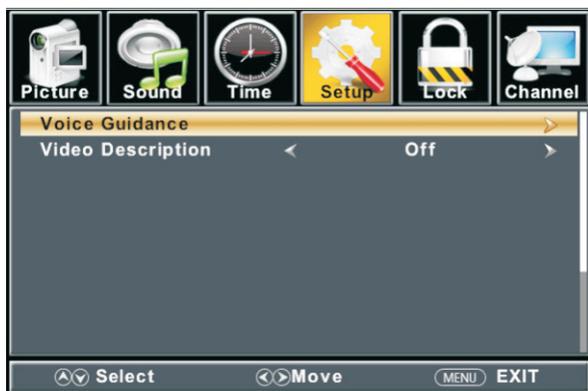
TTS Function Operation

Setup Menu

Press **MENU** to enter the main menu, Press **◀ / ▶** button to select.

Press **ENTER / ▼** to enter.

Press **MENU** again to exit or back to parent menu.



Press **▼ / ▲** button to select among Menu Language / Transparent / OSD Timeout / Closed Caption / Over Scan / Input Label / Other settings / Restore Default / Setup Wizard / Voice Guidance / Video Description.

Press **ENTER / ▼** to enter.

Press **◀ / ▶** button to adjust.

Press **MENU** again or back to parent menu.

TTS Function Operation

Blue Screen

To select the transition type required while changing from one channel to another.

Press ◀ / ▶ button to select.(On / Off)

Audio Only

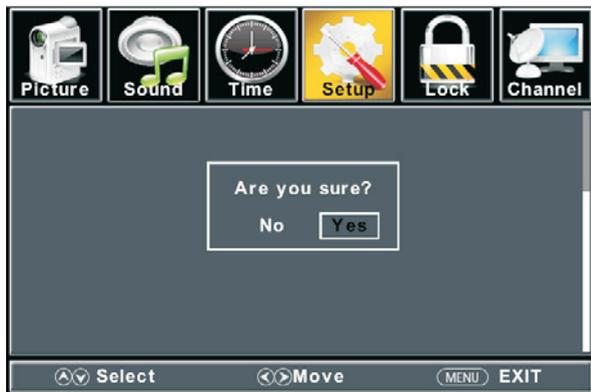
Play the audio with the picture turned off. When you turn the Audio Only on and exit the OSD menu, the panel will be dark, and then press any key to exit the Audio Only status.

Press ◀ / ▶ button to select.(On / Off)

【Restore Default】

Change power on options or reset TV to factory default.

Press ENTER / ▶ button to enter.



【Setup Wizard】

Set the first time installation.

Press ENTER / ▶ button to enter.

For detail please refer to page 12-13.

【Voice Guidance】

Set the auto voice guidance control.

Press ◀ / ▶ button to select(On / Off).

TTS Function Operation



Volume

Adjust TTS volume.

Press ◀ / ▶ button to select(High/Low/Middle).



Speed

Adjust TTS speed.

Press ◀ / ▶ button to select(Normal/Fast/Slow).

Pitch

Adjust TTS tone.

Press ◀ / ▶ button to select(High/Low/Middle).

【 Video Description 】

Change from the main audio to the secondary audio stream that contains video description, and vice versa.
Press ◀ / ▶ button to select(On/Off).

NOTE:

Balance: This feature  balance the left and right channels.

AVL: This function is used for reducing the difference between channel and program volume automatically.
This feature reduces the fluctuation of the sound/volume.

TTS function description download link:
<http://www.expressluck.com/down.html>

DVD Setup

Press the "D.Setup" button to enter the DVD settings menu, use the "◀/▶" buttons to select the desired menu page (General / Audio / Video / Preference) and use the "▼/▲" buttons to select the items in the menu. Use the "Enter" button to enter the selected item. If you then change any setting, press the "EXIT" button to confirm the value you changed. Press the "EXIT" button to return to the left submenu, to go back up to one of the main DVD menu pages, or press the "EXIT" button.

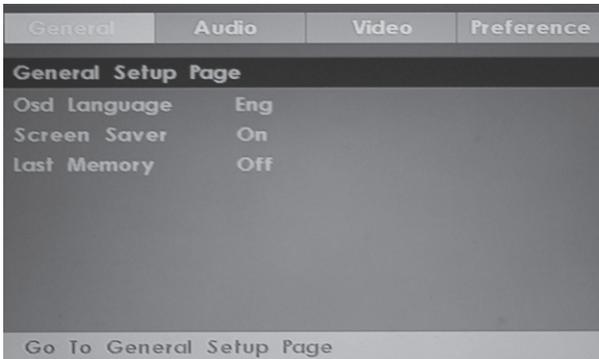
1.General Setup Page



Osd Language: Set the language of the setup menu and screen display.

Screen saver: Set the screen protection.

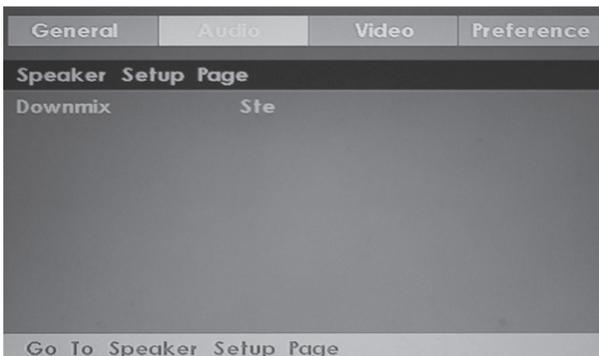
Last Memory: Remember and resume from the position of the previous playback.



2.Speaker Setup Page



Downmix: This is DVD L/R and stereo output. Set as stereo output.



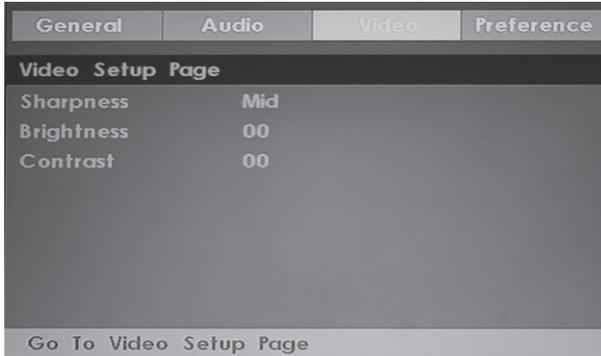
DVD Setup

3.Video Setup Page

Sharpness:adjust the sharpness of the image.

Brightness:adjust the brightness of the image.

contrast:adjust the contrast of the image.



4.Preference Page (Note:This menu page will pop up before putting the disc into DVD.)

TV Type: Select the local TV system (PAL TV/Multi/NTSC TV)

Audio: Disc audio language selection (disc dependent)

Subtitle: Disc subtitle language selection (disc dependent)

Disc Menu: Disc Menu language selection (disc dependent)

Parental: Set the maximum disc rating (Kid Safe/G/Pg/Pg 13/Pgr/R/Nc 17/Adult) that can be viewed without a password (default password is 0000)

Password: Change the password

Default: Choose this to restore the original default preference settings



Help

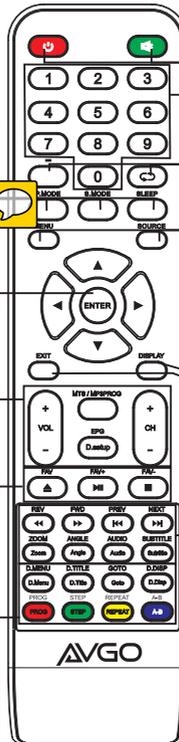
No Power	Check to see if the AC cord of the television is properly plugged into the outlet. If there is still no power, remove the AC cord and replug after 60 seconds. Attempt to start the television again.
Not receiving signal properly	<ul style="list-style-type: none"> - A double image or ghost could be caused by obstructions of the external antenna. Consult the antenna instruction manual to change the direction of the external antenna. - Perhaps the location of the antenna is not good. Use of a taller antenna can improve the quality of the images. - If you use an antenna, reception may be difficult in some situations. You can attempt to adjust the antenna to improve the image.
No Picture	<ul style="list-style-type: none"> - Check to be sure the antenna at the back of the unit is connected properly. - Try to select other channels to be sure the issue is not with the channel. - Check for possible sources of interference.
Poor sound or no sound	<ul style="list-style-type: none"> - Increase the volume. - Check to be sure the unit is not in MUTE mode. Press the mute button to restore sound. - Try to select other channels to be sure the issue is not with the channel. - Check for possible sources of interference. - Check to be sure the antenna at the back of the unit is connected properly.
Poor color or no color	<ul style="list-style-type: none"> - Adjust the contrast and/or brightness of the TV. - Try to select other channels to be sure the issue is not with the channel. - Check to be sure the antenna at the back of the unit is connected properly.
Poor reception	Check to be sure the antenna at the back of the unit is properly connected.
Horizontal or diagonal lines on screen	<ul style="list-style-type: none"> - Unit could be experiencing interference from other appliances such as a hair dryer or vacuum. Discontinue the use of these other appliances to improve reception. - Check to be sure the antenna at the back of the unit is connected properly.
TV does not respond to the remote	- Point the remote directly to the sensor on the TV. If this does not work, be sure that the remote is in working order (batteries correctly installed, etc.)
No Video in PC mode	<ul style="list-style-type: none"> - Check if the cable is properly connected to the VGA input. - Check to be sure the display cable is not bent or damaged.
The screen is too dark or too light in PC mode	Adjust the contrast ratio or brightness in the menu.
No response in PC mode	Check the computer setting for compatible display resolutions.
Lines in picture while using RCA connection	<ul style="list-style-type: none"> - Check if the cable is properly connected to the input. - Check to be sure the cable is not bent or damaged. - Use a correct RCA cable.
Problems still exist	Unplug the power cord and wait for 60 seconds, then reconnect. If problems remain with the unit, please do not attempt the repairs yourself. Contact the Customer Service center for assistance.

Specifications

Screen Size	Preset Channels	Speaker Output
24"	NTSC:AIR 2-69 CABLE 1-125	5W+5W
28"	NTSC:AIR 2-69 CABLE 1-125	7W+7W
32"	NTSC:AIR 2-69 CABLE 1-125	7W+7W
39"	NTSC:AIR 2-69 CABLE 1-125	7W+7W
40"	NTSC:AIR 2-69 CABLE 1-125	8W+8W
42"	NTSC:AIR 2-69 CABLE 1-125	8W+8W
43"	NTSC:AIR 2-69 CABLE 1-125	8W+8W
50"	NTSC:AIR 2-69 CABLE 1-125	8W+8W
55"	NTSC:AIR 2-69 CABLE 1-125	8W+8W
65"	NTSC:AIR 2-69 CABLE 1-125	8W+8W

Screen Size	Power Consumption (LED)	Accessories
24"	31W	User's manual Remote controller AAA Batteries
28"	31W	
32"	32W	
39"	76W	
40"	60W	
42"	67W	
43"	65W	
50"	108W	
55"	100W	
65"	159W	

Remote Controller



SLEEP: Select amount of time before TV turns off automatically.

S.MODE: Press to cycle through the different sound settings

P.MODE: Press to cycle through the different picture settings

THUMBSTICK (Left/Right/Up/Down/ENTER)
Allows you to navigate the on-screen menus and adjust the system settings to your preference.

MTS / MP3PROG: Press to select the audio mode (Stereo, Mono, or SAP (second audio program)) when playing DVD or music CD. Press MP3 PROG and add the number of the program you want to see. Press PROG two times to see the programmed program.

EPG: Launches the EPG (Electronic Program Guide)

D.Setup: DVD system setup.

CH +/-: Press to scan through or to select a channel.

V +/-: Press to increase / decrease the sound level.

FAV
Set or cancel current channel to be a favourite channel.

FAV+ Down move Favourite program

FAV- Up move Favourite program

▲ DVD eject

⏸ Play/Pause DVD program.

■ Stop DVD program.

D.MENU: DVD disc menu. Press this to access the menu.

D.TITLE: Press to select the DVD title.

GOTO: Play your favorite title/chapter/track.

D.DISP: Press to display the source and channel's info.

PROG
Press this button to change the playback order. It varies according to the different discs.

STEP Play for single frame image

REPEAT Repeat playing the title or chapter.

A-B During the playback, press this button to repeat playback of a specific section on a disc.

POWER
Set your TV to power on or standby mode.

MUTE
Press to mute the sound. Press again or press VOL+ to unmute.

NUMBER BUTTONS
Press 0-9 to select a TV channel directly when you are watching TV. The channel change after 2 seconds.

Press 0-9 for a program number for multiple program channels (such as 2-1 etc.)

Return to the previous channel viewed.

MENU
Allows you to navigate the on-screen menus.

SOURCE
Press to cycle through the input source in following:
TV → AV → COMPONENT → DVD → HDMI → PC

DISPLAY
Press to display the source and channel's information.

EXIT
Press to exit from the menu or sub-menu and cancel the function in progress (if applicable).

▶▶ DVD next chapter.

◀◀ DVD previous chapter.

◀◀ DVD fast reverse.

▶▶ DVD fast forward.

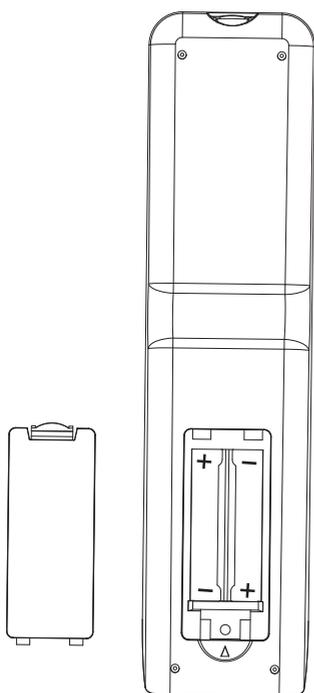
ZOOM In DVD source adjust DVD picture size

ANGLE Select DVD picture angle.

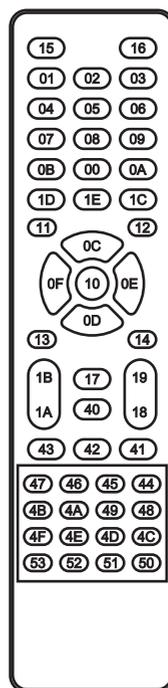
AUDIO Select DVD disc language.

SUBTITLE Select DVD disc subtitle.

Remote Controller



- (1) Open the battery compartment cover on the back side
- (2) Insert two 1.5V batteries of AAA type with correct polarity
- (3) Close the battery compartment cover on the back side



Universal remote code

This is the code for remote control of NN43A, if you want to change to a universal remote control, you can enter this code into your universal remote control.
Universal Remote Control code: 007F
(Universal Remote control is not included)