



16" WIDESCREEN LED TV

MODEL NO.: SP-LED16



USER MANUAL

Please read this manual carefully before using,
and keep it for future reference.


IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions – All the safety and operating instructions should be read before this product is operated.
2. Keep these instructions – The safety and operating instructions should be retained for future reference.
3. Heed all warnings – All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow all instructions – All operating and use instructions should be followed.
5. Do not use this apparatus near water – The appliance should not be used near water or moisture – for example, in a wet basement or near a swimming pool, and the like.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacture'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 plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If 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 the plugs, convenience receptacles, and at 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 or rack is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13. Unplug the apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified 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 has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. **CAUTION:** These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
16. Do not install this equipment in a confined or building-in space such as a book case or similar unit, and remain a well ventilation conditions at open site. Then ventilation should not be impeded by covering the ventilation openings with items such as newspapers, table-cloths, curtains etc.
17. **WARNING:** Only use attachments/accessories specified or provided by the manufacturer (such as the exclusive supply adapter, battery etc).
18. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that objects filled with liquids, such as vases, shall not be placed on apparatus.
19. **WARNING:** To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instruction.
20. **WARNING:** The mains plug is used as disconnect device, the disconnect device shall remain readily operable.
21. **WARNING:** The battery (Battery or batteries or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.
22. When not in use and during movement, please take care of the power cordset, e.g. tie up the power cordset with cable tie or something like that. It should be free from sharp edges and the like that can cause abrasion of the power cordset. When put into use again, please make sure the power cordset being not damaged. If any damages found, please look for the service person to replace the power cordset specified by the manufacturer or have the same characteristics as the original one.

23.  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.




24. – This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

- 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.

- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operation and maintenance instructions in the literature accompanying the appliance.



25.  Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. 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. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environments safe recycling.



26. Warning: To prevent the spread of fire, keep candles or other open flames away from this product at all times.
27. No naked flame sources, such as lighted candles, should be placed on the apparatus.
28. Use of the apparatus in moderate climates.



At full volume, prolonged listening to the portable audio device may damage the user’s hearing.

ACCESSORIES

Instruction Manual.....	1
Remote Control.....	1
Warranty.....	1
User’s Guide.....	1
AC Adapter.....	1
Batteries	1
Stand	1
Screws.....	1

All the pictures in this manual are just for your reference, appearance and display should subject to the final product.

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FEATURES

16" LED DISPLAY

This player has a built-in 16" LED display to provide clear vision and low radiation.

Support auto program scanning

Support digital broadcasting reception

Support Electronic Program Guide

Compatible with USB for music and photo playback

Support multi-languages on screen display

Support full function remote control

Compatible with HDMI, PC AUDIO, VGA, CVBS and AUDIO L/R input

Compatible with EARPHONE and COAXIAL output

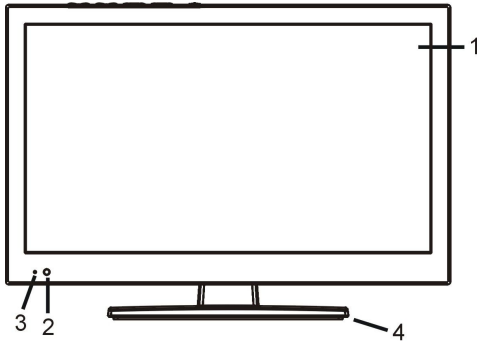
With external antenna jack

With built-in speakers

GENERAL PARTS

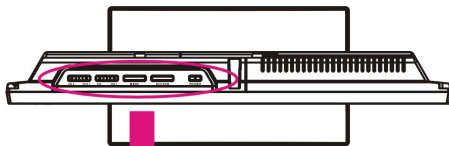
MAIN UNIT

Front View



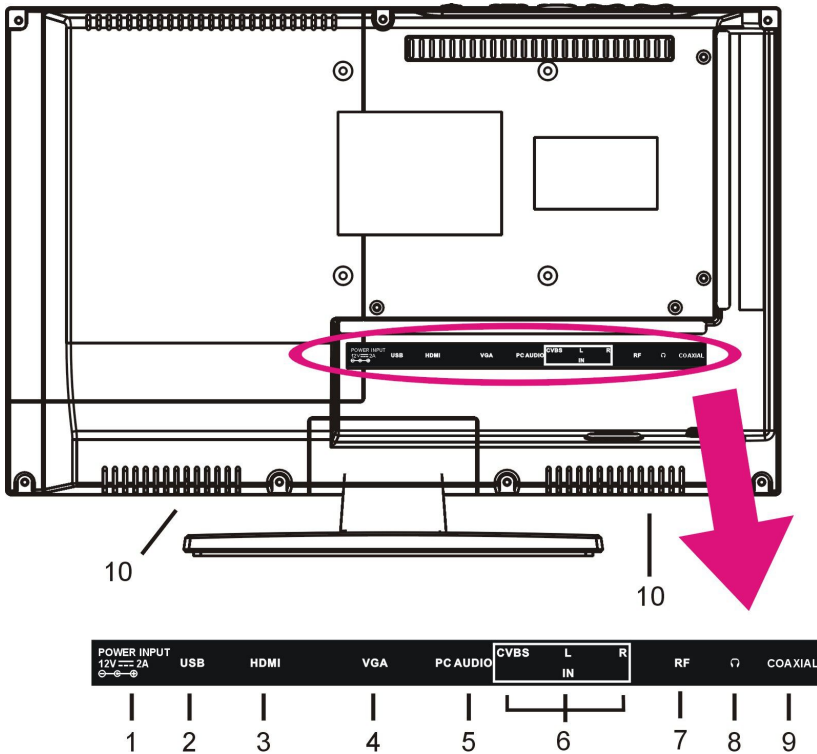
1. LED display screen
2. Remote control sensor
3. Power indicator- In standby mode the indicator light is red; when switching on the unit the indicator light is blue color.
4. Stand holder
5. VOL +/- button- To increase/decrease the volume level or move left/right page.
6. CH +/- button- To select next/previous channel or move up/down.
7. MENU button- To enter menu setting
8. SOURCE button- To select the input source.
9. POWER button- To turn the TV ON/OFF.

Top View



GENERAL PARTS

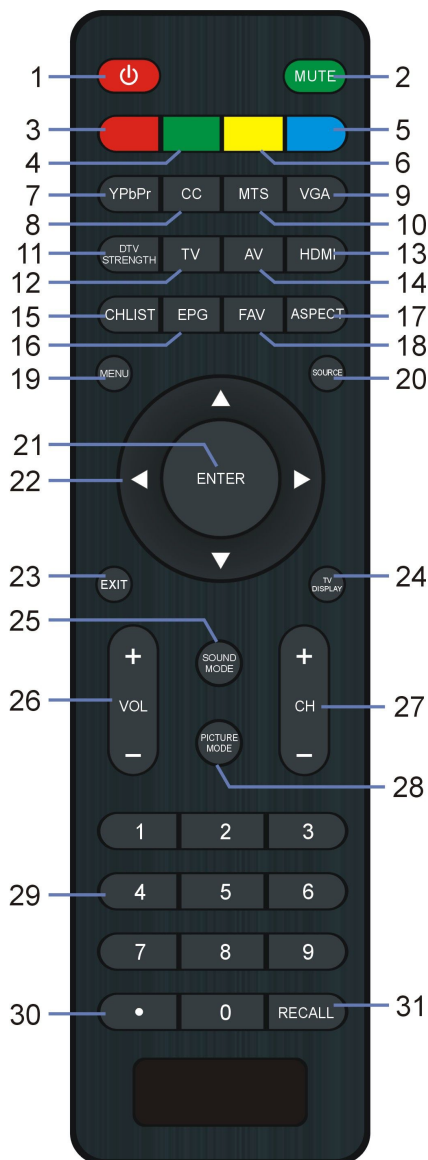
Back View



1. Power input
2. USB input terminal
3. HDMI input terminal
4. VGA input terminal
5. PC AUDIO input terminal
6. CVBS and AUDIO L/R input terminals
7. RF input terminal- To connect the external antenna.
8. EARPHONE output terminal
9. COAXIAL output terminal
10. Built-in Speakers

REMOTE CONTROL

- 1. POWER:** Press to enable standby mode; press again to turn on.
- 2. MUTE:** To mute the sound.
- 3. RED button**
- 4. GREEN button**
- 5. BLUE button**
- 6. YELLOW button**
- 7. YPbPr:** No function for this model.
- 8. CC:** To switch the Closed Caption mode.
- 9. VGA:** To switch to VGA mode directly.
- 10. MTS:** To select desired soundtrack in TV mode.
- 11. DTV STRENGTH:** To display the digital signal strength.
- 12. TV:** To switch to TV mode directly.
- 13. HDMI:** To switch to HDMI mode.
- 14. AV:** To switch to AV mode.
- 15. CHLIST:** To display the Channel List.
- 16. EPG:** To display electronic program guide information.
- 17. ASPECT:** To select desired displaying mode.
- 18. FAV:** To display the Favorite List.
- 19. MENU:** To display the main menu. Press it again to return to previous menu page.
- 20. SOURCE:** To switch the input source.



REMOTE CONTROL

21. ENTER: To confirm a selection.

22. UP/DOWN/LEFT/RIGHT navigation buttons

23. EXIT: To exit menu page.

24. TV DISPLAY: To display program information.


25. SOUND MODE: To switch the sound mode.

26. VOL +/-: To increase/decrease the volume level.

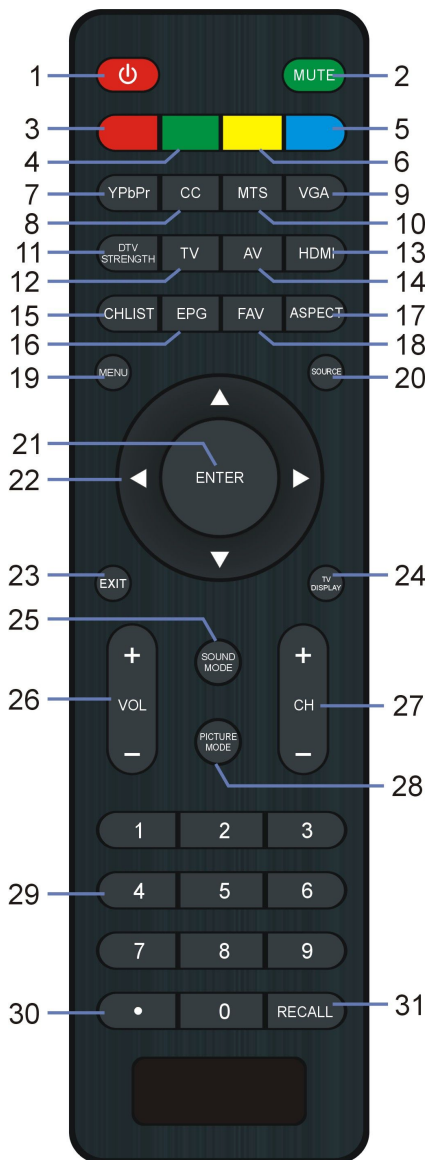
27. CH +/-: To watch next/previous program.

28. PICTURE MODE: To switch the picture mode.

29. NUMBER BUTTONS (0-9): To input the number information, such as channel number and so on.

30. : To select additional channels (digital) being broadcast by the same station. For example, to select channel "15-3", press "1" and "5", then press "-/--" and "3".

31. RECALL: To return to previous channel.



REMOTE CONTROL PREPARATION

BATTERY INSTALLATION

Install the batteries as the following pictures. Be sure + and – terminals are positioned as indicated in the battery compartment (Fig1).

SERVICE LIFE OF BATTERIES

- The batteries normally last for one year although this depends on how often the remote control is used.
- If the remote control fails to work even when it is operated near the player, replace the batteries.
- Use two size AAA dry batteries.

NOTE:

- Do not drop, step on or otherwise impact the remote control. This may damage the parts or lead to malfunction.
- If the remote control is not going to be used for a long time, remove the batteries.

REMOTE CONTROL OPERATION

Point the remote control from no more than about 6m from the remote control sensor and within about 60° of the front of the player(Fig2).

NOTES:

- The operating distance may vary according to the brightness of the room.
- Do not point bright light at remote control sensor.
- Do not place objects between the remote control and the remote control sensor.
- Do not use this remote control while simultaneously operating the remote control of any other equipments.

Fig1

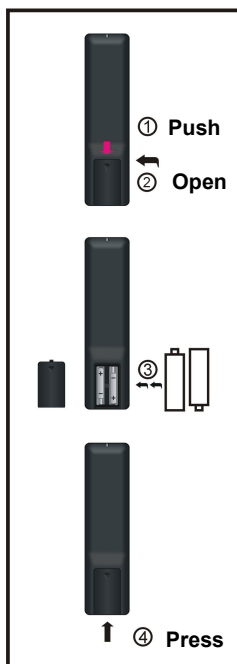
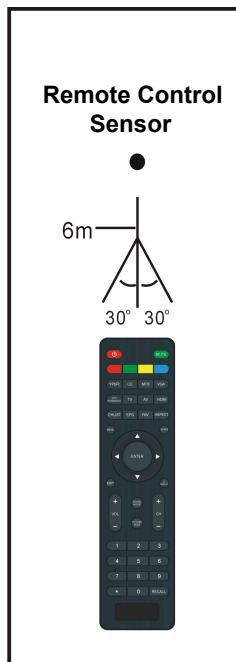


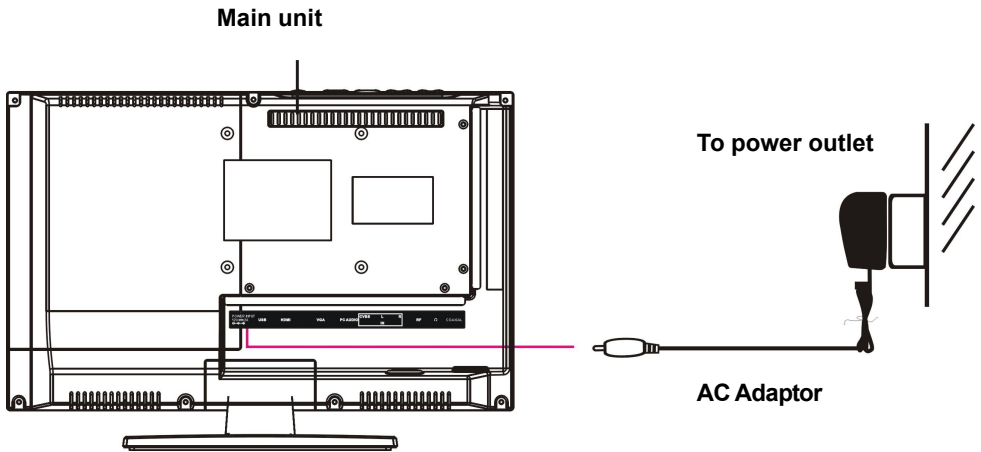
Fig2



BASIC CONNECTION

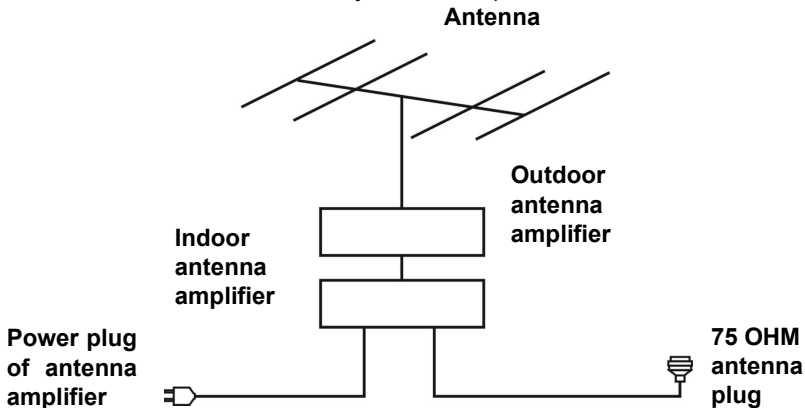
- Ensure all the cables are disconnected from the main unit before connecting to AC power source.
- Read through the instructions before connecting other equipments.

CONNECTING TO AC POWER SOURCE

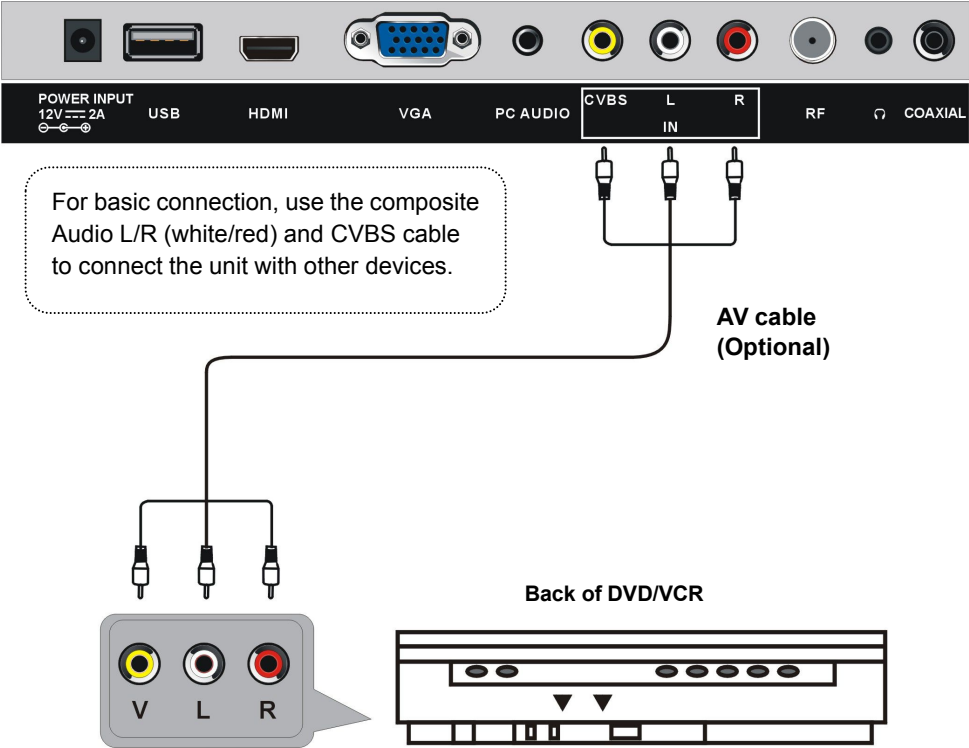


CONNECT EXTERNAL ANTENNA TO UNIT

Install external antenna into antenna jack for best picture.



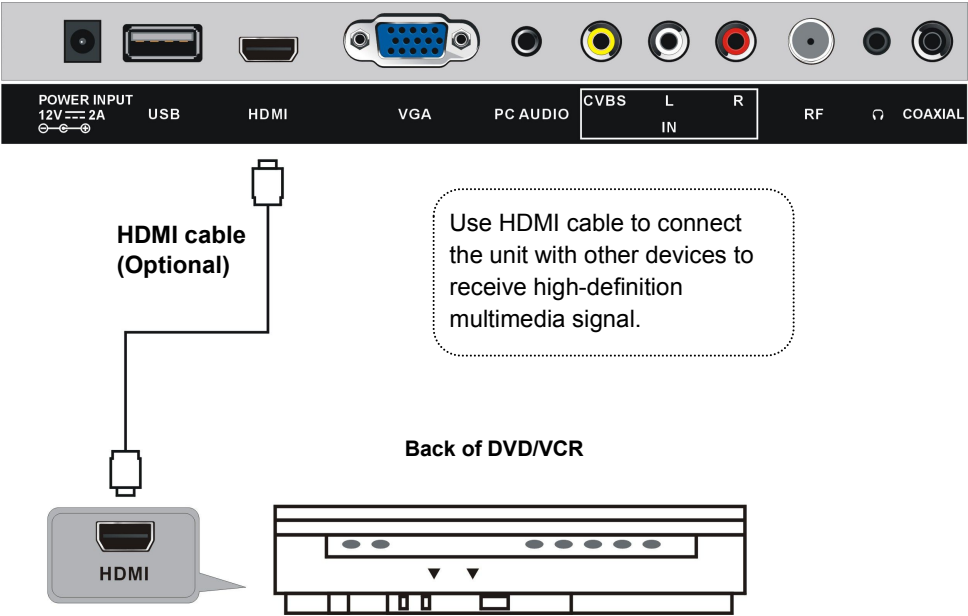
COMPOSITE AV CONNECTION



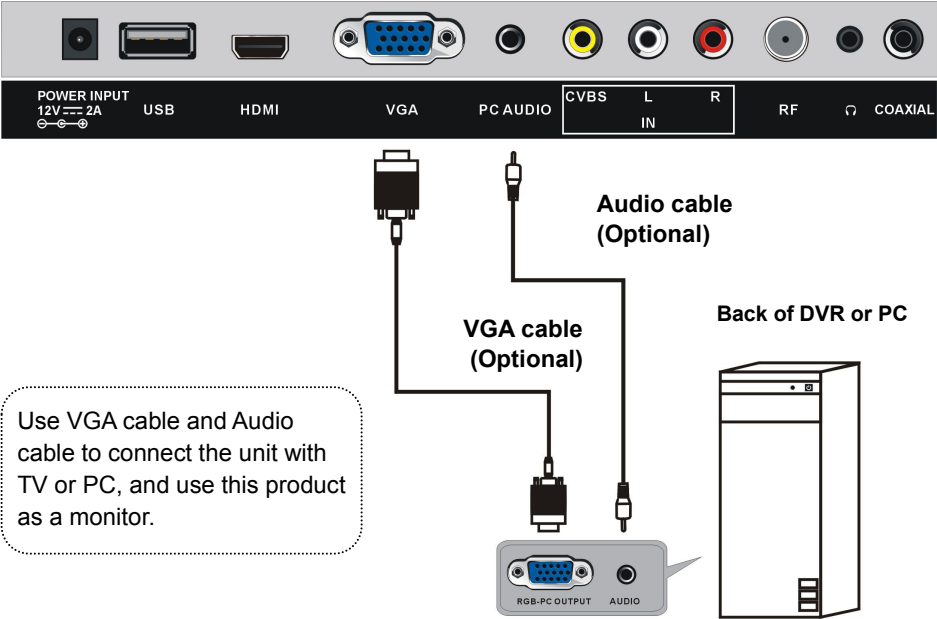
EARPHONE CONNECTION



HDMI CONNECTION



PC/VGA CONNECTION



CONNECTING TO USB MEMORY DEVICE



**USB Memory Device
(Optional)**

COAXIAL OUT CONNECTION




Use coaxial cable to connect the unit with amplifier or other audio decoding devices for coaxial audio signal output.

MAKE SURE ALL THE EQUIPMENTS AND POWER ADAPTOR ARE CONNECTED PROPERLY AND THE UNIT IS SET IN CORRECT MODE BEFORE OPERATING.

BASIC OPERATIONS

- Press **POWER** button on the unit or remote control to power **ON** the unit (indicator will glow blue); press it again to power **OFF** (standby mode) the unit (indicator will glow red).
- Press **SOURCE** button on the unit or remote control to switch the unit to TV mode.

SELECT DESIRED PROGRAM

1. Press CH+ button to play next channel.
 2. Press CH- button to play previous channel.
 3. Press number buttons on the remote control directly to select desired program.
- Example : Track 9, press " 9 ", three seconds later it will turn to track 9 automatically, or press ENTER button to confirm directly.
- Track 12, press " 1 " and " 2 ", three seconds later it will turn to track 12 automatically, or press ENTER button to confirm directly.
- NOTE** : If one frequency dot has more than one channel, for example, track 15-3, press " 1 " and " 5 ", then press "  " and " 3 ", three seconds later it will turn to track 15-3 automatically, or press ENTER button to confirm directly.

VOLUME CONTROL

- Press VOL+ or VOL- to adjust the level of current volume.
- Available range: 0-100.

MUTE CONTROL

- Press MUTE button to mute the sound, press it again to turn on the sound.

SOURCE SETTING

- Press SOURCE button on the unit or remote control to display the input source list.
 - Press UP or DOWN navigation button to select desired input source, and then press OK button to confirm selection.
- Available options: TV, AV, HDMI, VGA, USB.

PICTURE MODE

- When watching an available program, press PICTURE MODE button on remote control repeatedly to select desired PICTURE mode directly.
- Available options: Standard, Dynamic, Mild, User.

SOUND MODE

- When watching an available program, press SOUND MODE button on remote control repeatedly to select SOUND mode directly.

Available options: Standard, Music, Movie, User.

VIDEO SIZE SETTING

- When watching an available program, press ASPECT button on remote control repeatedly to select VIDEO SIZE directly.

Available options: Normal, Wide, Zoom, Cinema.

NOTE: The available video size may be different in different input source.

MTS/AUDIO SETTING

- When watching an available program, press MTS button on remote control to enter Sound menu page, then use UP or DOWN navigation button to select desired option. Options: Mono, Stereo, SAP.

(Not available for all channels)

- Or press MTS button on remote control to display Digital Sound language.

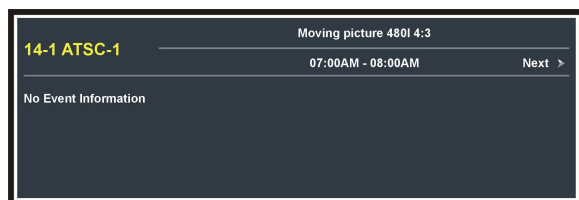
(Not available in for channels)

INFORMATION DISPLAY

- When watching an available program, press TV DISPLAY button on remote control to display information of current program.

TV GUIDE (FOR TV MODE ONLY)

- When watching an available program, press EPG button on remote control to enter below menu page:



- Press LEFT or RIGHT navigation button to view previous or next page.

CLOSED CAPTION

- When watching an available program, press CC button on remote control repeatedly to turn it ON/OFF.

FAVOURITE LIST

Favorite List	
14-1	ATSC-1
14-2	ATSC-2
14-3	ATSC-3

- When watching an available program, press FAV button on remote control to enter FAVORITE LIST menu page.
- Press navigation buttons to select desired channel.
- Press ENTER button to confirm selection.

CHANNEL LIST

Channel List	
14-1	ATSC-1
14-2	ATSC-2
14-3	ATSC-3

- When watching an available program, press CHLIST button on remote control to enter CHANNEL LIST menu page.
- Press navigation buttons to select desired channel.
- Press ENTER button to confirm selection.

USB MULTIMEDIA PLAYBACK

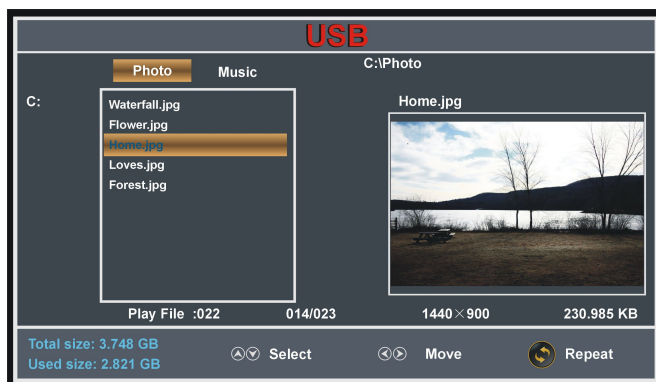
- Before following operations, insert a USB memory device first, which contains Photo and Music files.
- Press SOURCE button on the unit or remote control to set the unit in USB mode.



- Press LEFT/RIGHT navigation button to select Photo/Music in the main menu.
- Press UP/DOWN navigation button to select preferred file.

Photo Playback

- Select Photo item in the main menu.
- Press UP/DOWN navigation button to select preferred folder/file and press ENTER button to enter a folder or play selected file.



During normal playing:

- Press UP/DOWN navigation button to play previous/next photo.
- Press LEFT/RIGHT navigation button to rotate a photo counterclockwise/clockwise.

- Press EXIT button to return to file selecting page.

Music Playback

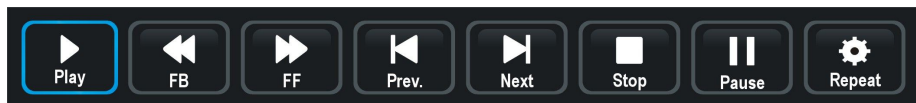
- Select Music item in the main menu.

- Press UP/DOWN navigation button to select preferred folder/file and press ENTER button to enter a folder or play selected file.



During normal playing:

- Press TV DISPLAY button to display/hide the tool bar.



- Press LEFT/RIGHT navigation button to select preferred option and press ENTER button to confirm it.

MAIN MENU

- The unit contains different setting menus. Once the initial programming is entered, it will be remained in the memory until it's changed, and the unit can always be operated under the same conditions.
- This 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 unit or remote control to display the main menu.
- Press LEFT or RIGHT navigation button to select Picture/Audio/Time/Setup/Lock/Channel.
- Press DOWN navigation button to enter submenu page.
- Press UP or DOWN navigation button to select the option that want to adjust.
- Press LEFT or RIGHT navigation button to adjust selected option to desired value.
- Press RIGHT navigation button or ENTER button to enter next menu page.
- Press MENU button to return to previous menu page.
- Press EXIT button to exit menu page.

DTV MODE

- Press SOURCE button on the unit or remote control to set the unit in DTV mode.

First Time Installation

If this is your first time turning on this TV, Setup Wizard will appear on the screen.

- Press UP or DOWN navigation button to select preferred item.
- Press LEFT or RIGHT navigation button to adjust the value.

Menu Language

To choose your menu language.

Air/Cable

To choose your signal type: Air, Cable.

Cable System

To choose desired Cable System: AUTO, STD, IRC, HRC.

NOTE: Cable System is adjustable only when your signal type is set to Cable.

Auto Scan



Highlight Auto Scan, press ENTER to search and store all available channels.

1. PICTURE



1.1 Picture Mode

Available options: Standard, Dynamic, Mild, User.

1.2 Contrast

The value of Contrast can be adjusted from 0-100.

1.3 Brightness

The value of Brightness can be adjusted from 0-100.

1.4 Color

The value of Color can be adjusted from 0-100.

1.5 Tint

The value of Tint can be adjusted from -50 to 50.

NOTE: Tint is adjustable only in certain TV system.

1.6 Sharpness

The value of Sharpness can be adjusted from 0-100.

NOTE: If the value of Contrast, Brightness, Color, Tint or Sharpness has been changed, the picture mode will turn to User automatically.

1.7 Color Temp. (Color Temperature)

Available options: Normal, Warm, Cool.

2. AUDIO



2.1 Sound Mode

Available options: Standard, Music, Movie, User.

2.2 Bass

The value of Bass can be adjusted from 0-100.

2.3 Treble

The value of Treble can be adjusted from 0-100.

2.4 Balance

The value of Balance can be adjusted from -50 to 50.

NOTE: If the value of Bass, Treble, or Balance has been changed, the sound mode will turn to User automatically.

2.5 Surround

This item is used to turn on/off Sound Surround function.

2.6 AVC (Auto Volume Control)

Available options: On, Off.

2.7 SPDIF Type

This item is used to select preferred SPDIF audio output type.

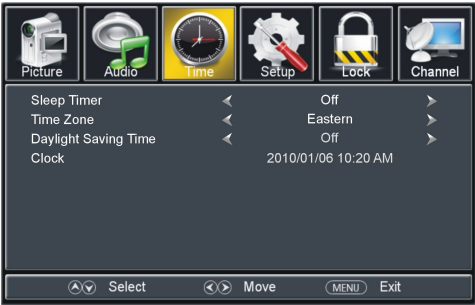
Available options: RAW, PCM.

2.8 Audio Language

This item is used to select preferred audio language.

NOTE: This item is adjustable only for digital programs.

3. TIME



3.1 Sleep Timer

Available options: Off, 5 min, 10 min, 15 min, 30 min, 45 min, 60 min, 90 min, 120 min, 180 min, 240 min.

3.2 Time Zone

Available options: Eastern, Central, Mountain, Pacific, Alaska, Hawaii, Atlantic.

3.3 Daylight Saving Time

Available options: On, Off.

NOTE: This item is adjustable only for digital programs.

3.4 Clock

When an available digital program is present, this unit will get Date and Time information automatically from current program. And it's not user adjustable.

4. SETUP



4.1 Menu Language

This item is used to select preferred OSD menu language.

4.2 Transparent

This item is used to turn on/off Transparent OSD menu.

4.3 Zoom Mode

This item is used to select preferred zoom mode of display screen.

Available options: Normal, Wide, Zoom, Cinema.

NOTE: The available zoom mode may be different for different input source.

4.4 Noise Reduction

Available options: Off, Weak, Middle, Strong.

4.5 Advanced

This item is adjustable only for PC/VGA input signal.

4.6 Closed Caption

CC Mode

Available options: CC on Mute, Off, On.

Basic Selection

Available options: CC1, CC2, CC3, CC4, Text1, Text2, Text3, Text4.

Advanced Selection

Available options: Service1, Service2, Service3, Service4, Service5, Service6.

Option

Mode

Available options: Default, Custom.

Font Style

Available options: Default, Font 0, Font 1, Font 2, Font 3, Font 4, Font 5, Font 6, Font 7.

Font Size

Available options: Default, Normal, Large, Small.

Font Edge Style

Available options: Default, None, Raised, Depressed, Uniform, Left Shadow, Right Shadow.

Font Edge Color

Available options: Default, Black, White, Red, Green, Blue, Yellow, Magenta, Cyan.

FG Color

Available options: Default, White, Red, Green, Blue, Yellow, Magenta, Cyan.

BG Color

Available options: Default, Black, Red, Green, Blue, Yellow, Magenta, Cyan.

FG Opacity

Available options: Default, Solid, Flashing, Translucent, Transparent.

BG Opacity

Available options: Default, Solid, Flashing, Translucent, Transparent.

NOTE: Advanced Selection and Option are adjustable only for digital programs.

4.7 DLC

This item is used to turn on/off Dynamic Luminance Control.

4.8 Restore Default

This item is used to reset to factory default settings.

5. LOCK

- Input the password by pressing number buttons on remote control.

NOTE: The factory default password is 0000.



5.1 Change Password

- Press RIGHT navigation button or ENTER button to enter it.

- Press number buttons to input the new password and input it again to finish password changing.

5.2 System Lock

This item is used to turn on/off system lock.

5.3 US

TV

- Press RIGHT navigation button or ENTER button to enter it.

- Press navigation buttons to move the cursor.

- Press ENTER button to block or unblock it.

MPAA

Available options: N/A, G, PG, PG-13, R, NC-17, X.

5.4 Canada

Canada English

Available options: E, C, C8+, G, PG, 14+, 18+.

Canada French

Available options: E, G, 8 ans+, 13 ans+, 16 ans+, 18 ans+.

NOTE: US, Canada, RRT Setting and Reset RRT items are adjustable only when System Lock is On.

5.5 RRT Rating

This item is available only when viewing programs which contain related Advance Rating information.

5.6 Reset RRT

This item is used to reset RRT Rating.

6. CHANNEL



6.1 Air/Cable

This item is used to select preferred signal receiving type.

6.2 Auto Scan

-Press RIGHT or ENTER button to enter it.



6.21 Cable System

This item is used to select preferred cable system.

Available options: AUTO, STD, IRC, HRC.

NOTE: This item is adjustable only when your signal type is set to Cable.

6.22 Start to Scan

- Press RIGHT or ENTER button to start auto scanning.
- Press MENU or EXIT button to exit auto channel searching.

6.3 Favorite

- Press RIGHT or ENTER button to enter it.
- Press UP or DOWN navigation button to select preferred channel.
- Press ENTER button to label the selected channel as a favorite one or not.

6.4 Show/Hide

- Press RIGHT or ENTER button to enter it.
- Press UP or DOWN navigation button to select preferred channel.
- Press ENTER button to show or hide the selected channel.

6.5 Channel No.

- Press LEFT or RIGHT navigation button to select preferred channel number.

6.6 Channel Label

- Press RIGHT or ENTER button to enter it.
- Press LEFT or RIGHT navigation button to move the cursor.
- Press UP or DOWN navigation button to adjust the value.

NOTE: If no available channel is present, Favorite, Show/Hide, Channel No., and Channel Label will not be adjustable.

6.7 DTV Signal

This item is not user adjustable.

AV AND OTHER MODES

- Press SOURCE button on the unit or remote control to select preferred input source.
- For menu operations in these modes, please refer to the menu operations in TV mode.

PC/VGA MODE

- Connect your computer to this unit using a VGA cable.
- Power on this unit and your computer.
- Press SOURCE button on the unit or remote control to set the unit in VGA mode.
- Press MENU button to display the main menu and select Setup item. Then press DOWN navigation button to enter Setup menu page.
- Press UP or DOWN navigation button to select Advanced and press RIGHT navigation button or ENTER button to enter it.



1. H-POS (Horizontal Position)

Available range: 0-100.

2. V-POS (Vertical Position)

Available range: 0-100.

3. Clock

Available range: 0-100.

4. Phase

Available range: 0-100.

5. Auto

If this item is entered, it will adjust the PC screen automatically.

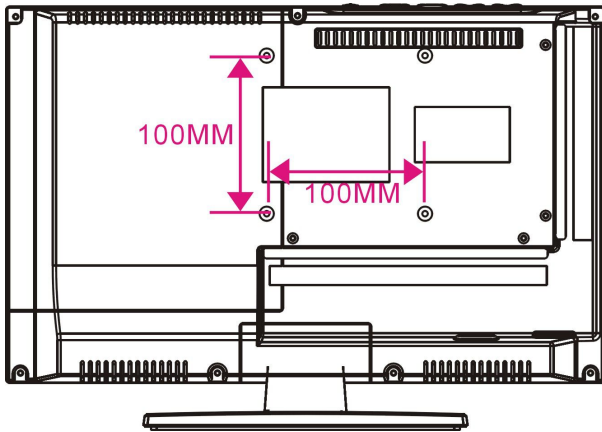
- For other menu operations, please refer to the operations in TV mode.

WALL MOUNTING

WARNING:

- Contact a professional for assistance when wall mounting your TV. We are not responsible for any damage to the product or injury to yourself, if you mount the TV on your own.
- Do not wall mount the TV while TV is turned on or connected to power. It may cause personal injury due to electric shock.
- Use standard M4*10mm screws (4 pieces; not included) to mount this TV.

Back of your TV



STAND INSTALLATION

Your TV may be packaged with the Stand and the Cabinet separated. Before enjoying this TV, please carry out the Stand Installation according to the instructions below.

Step 1

Place the TV faced down on a soft cloth or cushion to prevent the panel from being damaged.

Step 2

Align the screw holes on stand and TV bottom and then push the stand until the TV is fully seated on the stand.

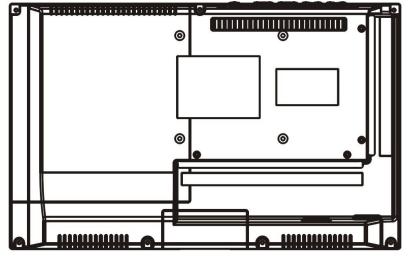
NOTE: Make sure the orientation of trapezoid head on stand is corresponding to the trapezoid slot on TV bottom.

Step 3

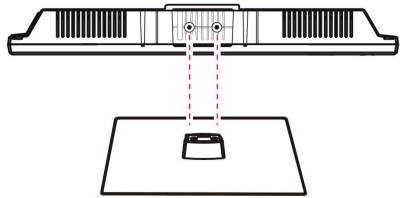
Tighten the included screws with a screw driver.

NOTES:

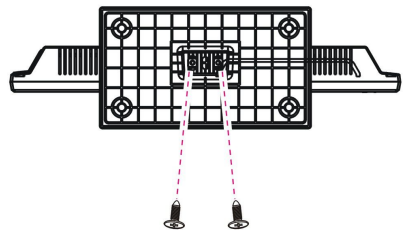
- 1) Unplug the power plug first when installing or removing the TV Stand.
- 2) To avoid any damage to this TV, contact one or more partner for assistance when installing or removing the TV stand.



①



②



③

MAINTENANCE

- Be sure to press POWER button to set the player to the standby mode and disconnect the power plug before maintaining the player.
- Wipe the player with a dry, soft cloth.
- If the surface is extremely dirty, wipe clean with a cloth which has been dipped in a weak soap-water solution and wrung out thoroughly, and then wipe again with a dry cloth.
- Never use alcohol, benzene, thinner, cleaning fluid or other chemicals. And do not use compressed air to remove dust.

SPECIFICATIONS

Display Device	16 inch LED TV
Resolution	1366 × 768
Pixel Pitch	0.252(h)×0.252(v) mm
Luminance	200 cd/ m ²
Contrast Ratio	500:1
Aspect Ratio	16:9
Response Time	8 ms (max.16)
Viewing Angle	90(h)/50(v)
Visible Range	344.2(h)×193.5(v) mm
Life Time	15,000 h
Multimedia Playback Format	Music: MP3
	Photo: JPG
Power Source	AC adaptor(normal DC 12 V  2A)
Power Consumption	<24W
Operation Temperature	-5℃ to 45℃
Measurement	378(W)×118 (D)×268(H) mm
Weight	Approx. 1.2 Kg

Specifications are subject to change without notice.

GENERAL TROUBLESHOOTING

Check the following points before assuming malfunctions of this unit:

Symptom	Remedy
No power.	Insert the power adaptor securely into the power outlet.
No picture.	Ensure that the equipment is connected properly.
<ul style="list-style-type: none"> ● No sound. ● Distorted sound. 	<ul style="list-style-type: none"> ● Ensure that the equipment is connected properly. ● Ensure that the input setting for the TV and stereo system are correct. ● Adjust the master volume to a suitable volume by pressing VOL+/VOL- button.
No operations can be performed with the remote control unit.	<ul style="list-style-type: none"> ● Check if the batteries are installed with the correct polarities. ● The batteries are exhausted: replace them with new ones. ● Point remote control at the remote sensor on TV and operate it again. ● Operate the remote control unit at a distance of less than 6m from the remote control sensor on TV. ● Remove the obstacles between the remote control and remote control sensor on TV.
No key operation (by the main unit and/or the remote control unit) is effective.	Disconnect the power adaptor from power source and then reconnect it. (This TV may not be operating properly due to lightning, static electricity or some other factors.)
Symptom(TV)	Remedy
No or poor picture.	<ul style="list-style-type: none"> ● Adjust antenna or use an external antenna. ● Relocate the unit near a window (if inside a building). ● Move subjects that cause interference away from this TV. ● Do Auto Tuning again. ● Try another channel.
No sound or poor sound.	<ul style="list-style-type: none"> ● Check the audio settings. ● Press MUTE button on remote control to cancel mute function. ● Unplug the headphone.
Noise or other interference	Electronic equipment near the unit is causing interference. Relocate the unit or move the equipment.

