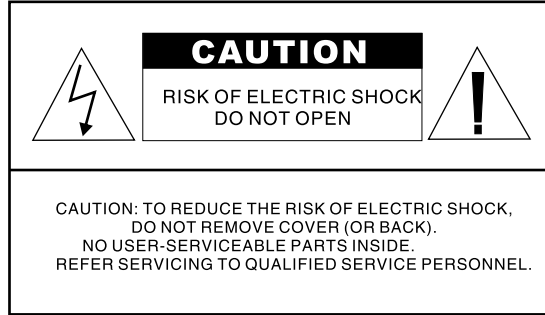


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OPERATION SAFETY



- **CAUTION:** To avoid fire and electric shocks, do not expose this product under damp or humid condition and make sure the plug is fully plugged in at all time.
- **WARNING:** Never open the housing of the LCD display. When the housing is opened, there is a danger of injury from electric shock. There is no component that can be replaced by users. Please contact the service personnel and replace with manufacturer-appointed components.
- **DISPOSAL:** Due to the environmental concerns, please refer to your local authorized organization or electronics industry society before you dispose this product. Please visit [http:// www.eia.org](http://www.eia.org) for more information.

TO CUSTOMERS

Thank you for purchasing this product. Please read through the instructions and follow the steps in order to achieve the maximum reliability. Please keep this manual handy and close to your LCD display after reading.

SAFETY & PRECAUTIONS

- ◎Manual Guide--Please read through the operation manual before operating this product.
- ◎Instructions--Please follow and be aware of cautions and warnings.
- ◎Follow Steps--Please follow the operation procedures.
- ◎Socket Outlet--Please use standard socket outlet to avoid damage to the LCD display.
- ◎Power Source--This product has to be operated with correct power source shown on the label.
- ◎Power Cord Protection--Avoid tangling or placing objects on the power cord.
- ◎Over-loading--Avoid AC power over-loading, which may lead to fire or electric shock.

⊙Do not insert any objects through the slots and openings of the LCD display. This may lead to an electrical short-circuit or even cause fire and result in damage to your LCD display.

⊙Repair--Please unplug the power cord and contact distributors or qualified repair personnel if any of the following situations happens.

1. Power cord is damaged.
2. Objects have been inserted through the slots and openings of the display.
3. Product is under humid condition or liquid leaks onto the display.
4. Product cannot function normally or cannot operate.
5. Product has been dropped or damaged.

Note : When using AV signals (e.g DVD, VCR..), Please check the input source if the screen appears glittering or is having bad signals, make sure cables are correctly connected and DVD player output setting is the same as TV resolution setting. (Resolution is under 480i or 576i etc.)

⊙Parts Replacement -- If any parts need to be replaced, please contact the service personnel.

⊙Wall Mounting -- Please use correct wall mount and follow instructions when installing the display onto the wall.

⊙Cleaning--Unplug power cord beforehand. Please use dry and soft sponge to clean the screen surface. Do not use diluted acid.

⊙Humidity--Keep this product away from moisture or high humidity area.

⊙Placement--Place this product on a stable and vibration free surface in order to avoid the LCD display from falling.

⊙Ventilation--Please never cover or block openings and slots of the display. This may cause display to over-heat and reduce its life time. Please allow some space for ventilation.

⊙Away from heat sources--Keep this product away from heat sources such as direct exposure to sunlight, heater and stove, etc. This would avoid structure distortion and machine break down.

⊙Storage--Unplug power cord from the socket outlet if the LCD display is not intended to be used for a long period of time. When switched off, the LCD display can be stored comfortably between 41°F to 95°F (5°C to 35°C)

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are 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 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 injury from tip-over.
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. ⚠ Attention, consult accompanying documents with respect to electric Shock,
The symbol in figure shall be shown adjacent to the text of item 12 above.



Trademark Information



Manufactured under license from Dolby Laboratories.
“Dolby” and the double-D symbol are trademarks of
Dolby Laboratories.

POWER ON/OFF

1. Press POWER button from key pad (or remote control) to turn on the TV. The light indicator will turn green after few seconds and the image should show on the screen.
2. Press POWER button again to switch off the TV. Light indicator will turn back to red.

Warning : Electrical currents may still remain in TV after power is switched off. Please unplug the power cord if it is not intended to be used for a long period of time.

PRODUCT INSTALLATION

- You can use this display to play with a Video Game Console , Video Camera, DVD Player and /or TV .
 - Please connect to component if the external devices have component outputs.
 - Please connect to correct video and audio jacks with external devices.
 - Please purchase standard signal cables.
 - Please switch off the TV before attaching additional equipment to it.
-

1. Antenna Installation

- Please use coaxial cable to connect with antenna connector.
- Please connect antenna cable to multi-media box's tuner head <ANT>.
- Please do not install antenna under raining or thundering condition.

Caution: Please use legal cable TV, otherwise it may damage the product. It may also void warranty.

2. VGA Source Connection:

- Please switch off PC and TV. Connect VGA cable to display's D-Sub connector, and connect the other end of cable to VGA Output

3. HDMI Source Connection:

Use HDMI cable to connect with TV and Audio-video equipment.

4. S-VIDEO/AV Source Connection:

Use S-VIDEO/AV terminals when connecting to a DVD player and other audiovisual equipment.

5. Speaker Jack(Audio Out):

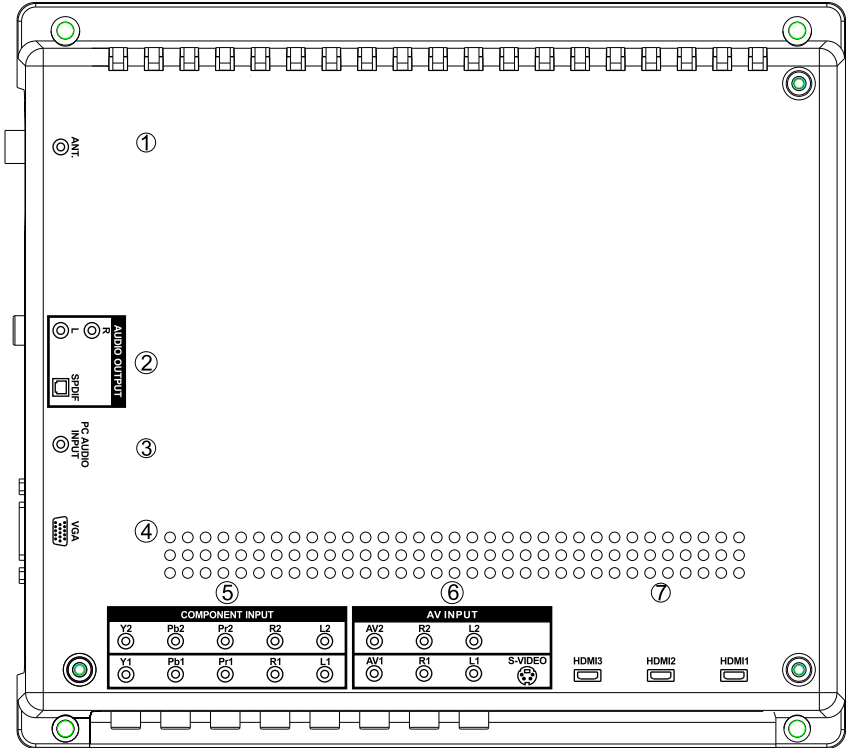
This TV provides audio output jack (Audio OUT) which allows connection to external speakers or stereo.

6. Power Connection:

- Please use correct socket outlet.
- Please unplug the power cord if the TV is not intended to be used for a long period of time.

Multi-media box

Fig. 1

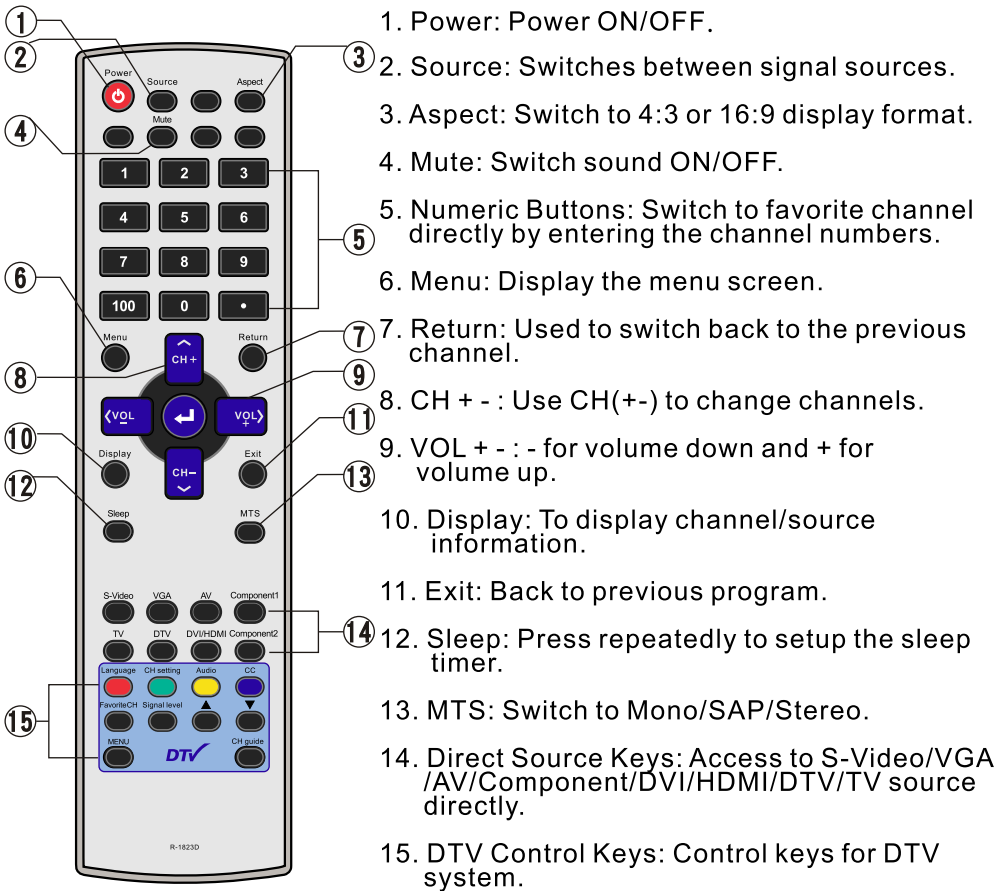


Connectors	Description
① ANT.	Connects to TV RF signals (Antenna/Cable).
② AUDIO OUTPUT	Send the TV's Audio to external audio equipment (stereo system) via the AUDIO OUTPUT port.
③ PC AUDIO INPUT	PC audio input.
④ VGA/PC INPUT	Connects to VGA analog signals sources.
⑤ YPbPr and R/L AUDIO INPUT	When connecting to component video port, you can use the YPbPr video signal. For example, DVD (progressive support) players and hi-scale HDTV decoders or satellite receivers, obtain video with maximum resolution using the YPbPr and R/L audio signal using component video.



SOURCE INPUT CONNECTORS

Connectors	Description
⑥ Video / S-Video 、 R/L AUDIO INPUT	Connects to S-Video (Y/C) or composite video and audio signal (R/L) Line.
⑦ HDMI	High Definition Multimedia Interface Connects to devices with digital signals and can be used with PC or HDTV video signals. HDTV support timing: 1080i, 720P, 576i, 576P, 480i and 480P .

REMOTE CONTROL



1. Power: Power ON/OFF.
2. Source: Switches between signal sources.
3. Aspect: Switch to 4:3 or 16:9 display format.
4. Mute: Switch sound ON/OFF.
5. Numeric Buttons: Switch to favorite channel directly by entering the channel numbers.
6. Menu: Display the menu screen.
7. Return: Used to switch back to the previous channel.
8. CH + - : Use CH(+/-) to change channels.
9. VOL + - : - for volume down and + for volume up.
10. Display: To display channel/source information.
11. Exit: Back to previous program.
12. Sleep: Press repeatedly to setup the sleep timer.
13. MTS: Switch to Mono/SAP/Stereo.
14. Direct Source Keys: Access to S-Video/VGA /AV/Component/DVI/HDMI/DTV/TV source directly.
15. DTV Control Keys: Control keys for DTV system.

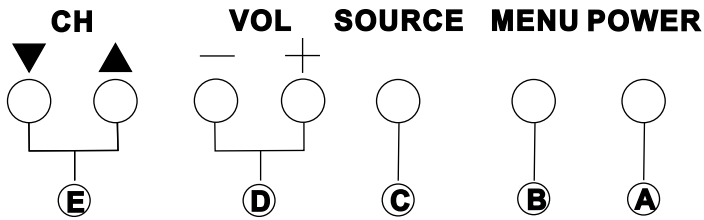
 The function and picture of the remote may vary depending on the model. If a function key is unsupported by the model, a red icon  will display on the OSD.

REMOTE CONTROL PRECAUTION & USAGE

- Remote reception distance will be shorter as the signal receiver is facing a strong light.
- All impacts should be avoided.
- Remote control should point directly to the TV signal receiver.
- Humidity and high temperature conditions should be avoided.
- Batteries are suggested to be removed if the remote control will not be in use for a period.

Note: The remote control may vary, but the control function are similar

[KEY PAD BUTTONS OPERATION]



● CHANNEL SELECTION BUTTONS

1.Channel Selection

Press CH (E) buttons to switch channels

● SOURCE SELECTION BUTTON

1.Press SOURCE (C) button to change input source.

2.After source input has been selected, press SOURCE (C) button to confirm.

● MENU BUTTONS

1.Press MENU (B) button to display OSD menu.

2.Use (E) or (D) buttons to select options.

3.Use SOURCE (C) button to confirm selected adjustment option.

4.Use (D) and (E) buttons to proceed adjustment.

● VOLUME CONTROL BUTTONS

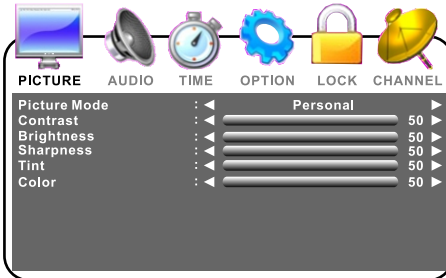
1.Press VOL +/- (D) button, to turn the volume up or down.

2.Use (D)/(C)/(E) buttons to proceed adjustment.

On Screen Display (OSD) Operations

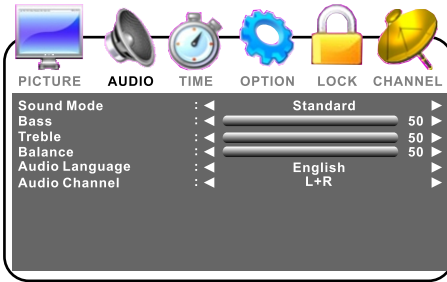
1. Press the **MENU** button on the remote control to display the main menu.
2. Press the ◀▶ buttons to highlight the menu entries.
3. Press the ▼/↵ button to enter the submenu.
4. Press the ▼▲ buttons to highlight the item to be adjusted.
5. Press ◀▶ to adjust the setting.
6. Press the **MENU** button again to exit OSD menu.

【NOTE: Items in gray cannot be selected and /or adjusted.】

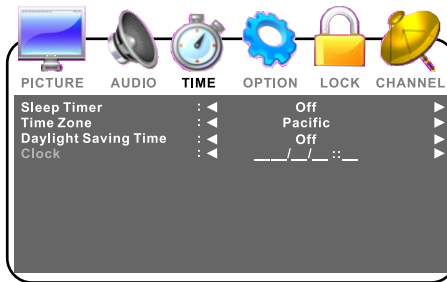


Picture Settings	
Option	Description
Picture Mode	Switch picture mode from Standard / Dynamic / Soft / Personal.
Contrast	Adjust to increase or decrease the contrast.
Brightness	Adjust to brighten or darken the picture.
Sharpness	Adjust to sharpen or soften the picture.
Tint	To adjust the picture tone.
Color	To characterize the spectral properties of a light source. Low color temperature implies warmer (more yellow/red) light, while high color temperature implies a colder (more blue) light.

On Screen Display (OSD) Operations

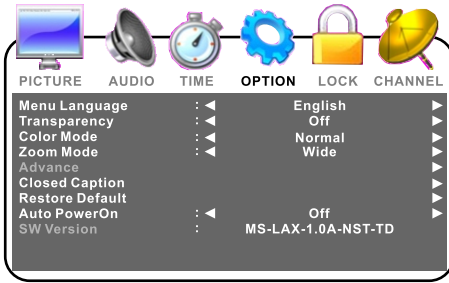


Audio Settings	
Option	Description
Sound Mode	Switch sound mode from Standard / Music / Movie / Personal.
Bass	To adjust the bass level.
Treble	To adjust the treble level.
Balance	To balance speaker channel.
Audio Language	To change the language.
Audio Channel	To change the audio channel in L+R / L+L / R+R.

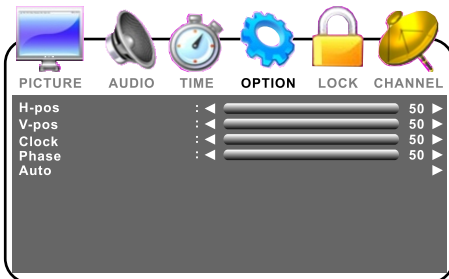


Time Settings	
Option	Description
Sleep Timer	Set the timer to turn off TV.
Time Zone	Set the time zone to Pacific, Alaska, Hawaii, Eastern, Central, Mountain.
Daylight Saving Time	Set the daylight saving time to turn on or turn off.
Clock	Current Time display.

On Screen Display (OSD) Operations

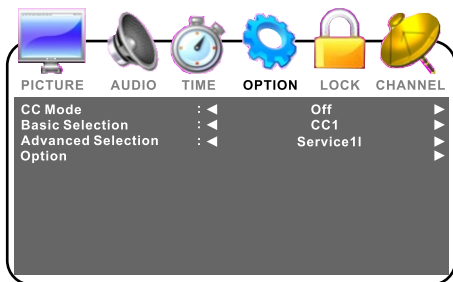


Option Settings	
Option	Description
Menu Language	To choose OSD language to English/Spanish/French.
Transparency	Set the transparency on or off to OSD menu.
Color Mode	Set the color mode to Normal/Warm/Cool.
Zoom Mode	Select the video display to Normal/Wide/Zoom/Cinema/4:3.
Advance	Only functional in PC mode .
Closed Caption	Set the closed caption option.
Restore Default	Restore General & Channel setting to default.
Auto PowerOn	Switch "Auto Power On" function on/off.
SW Version	Select to display the firmware version.

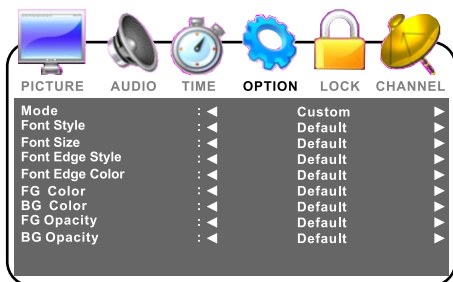


Option Settings > Advance (VGA only)	
Option	Description
H-pos	Adjust the position of the picture left and right.
V-pos	Adjust the position of the picture up and down.
Clock	To adjust pixel alignment to help stabilize the VGA display.
Phase	Adjust the display effects of horizontal wavy lines or ripples.
Auto	Adjust the display position and phase of the picture automatically.

On Screen Display (OSD) Operations

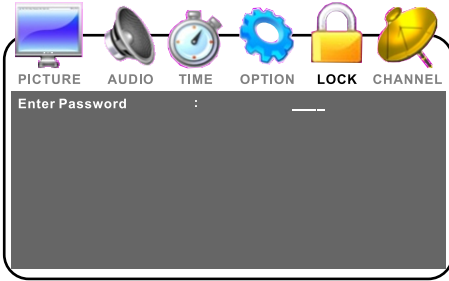


Option Settings > Closed Caption	
Option	Description
CC Mode	To set CC Mode on/off/CC On Mute.
Basic Selection	To set analog caption CC1/CC2/CC3/CC4/Text1/Text2/Text3/Text4.
Advanced Selection	To set digital caption Service1/Service2/Service3/Service4/Service5/Service6.
Option	Enter to customize the Font, Style, etc....



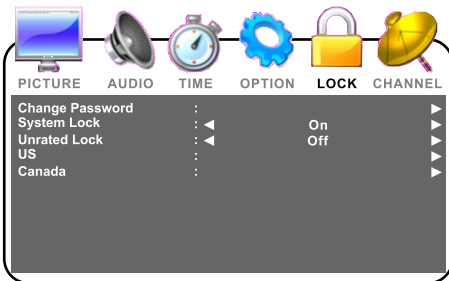
Option Settings > Closed Caption > Option	
Option	Description
Mode	To set the caption mode Default/Custom.
Font Style	Select the caption text style.
Font Size	Select the caption text size.
Font Edge Style	Select the caption text edge style.
Font Edge Color	Select the caption text edge color .
FG Color	Set Foreground color Default/White/Black/Red/Green/Blue/Yellow/Magenta/Cyan.
BG Color	Select a background Color.
FG Opacity	Set Foreground opacity to Solid/Flashing/Translucent/Transparent.
BG Opacity	Select the opacity for the background color.

On Screen Display (OSD) Operations



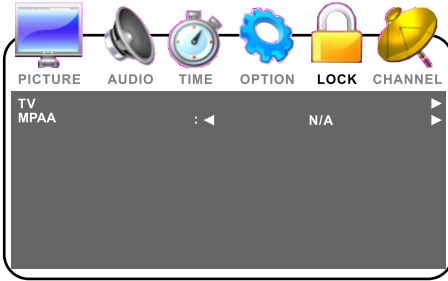
Lock Settings	
Option	Description
Enter Password	Set the parental control setting.

【Default Password : 0 0 0 0】



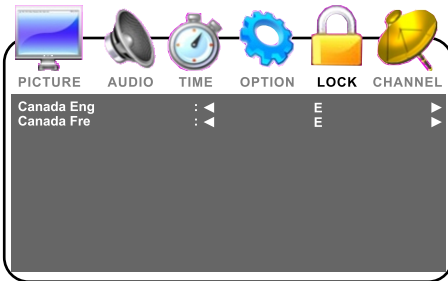
Lock Settings > Enter Password	
Option	Description
Change Password	To change the password for the parental control setting.
System Lock	To set System Lock On/Off.
Unrated Lock	To set Unrated Lock On/Off.
US	To set ratings for USA.
Canada	To set ratings for Canada.

On Screen Display (OSD) Operations



Lock Settings > Enter Password > US

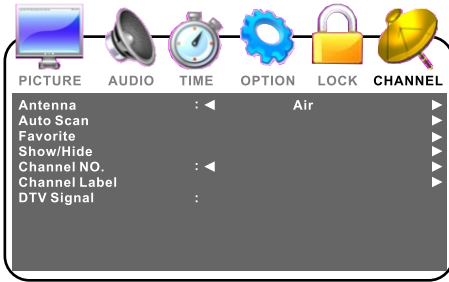
Option	Description
TV	Select the block programs by the USA-TV rating.
MPAA	Select the block programs by the USA-Movie rating.



Lock Settings > Enter Password > Canada

Option	Description
Canada Eng	Select the block programs by the Canada-English rating.
Canada Fre	Select the block programs by the Canada-French rating.

On Screen Display (OSD) Operations



Channel Settings	
Option	Description
Antenna	To select from AIR/CATV mode.
Auto Scan	Select to scan all available channels.
Favorite	Set the favorite channel.
Show/Hide	Set the channel to show or hide.
Channel No.	To rotate through channels.
Channel Label	To edit the channel name.
DTV Signal	To display DTV signal level.

■ **When the LCD display does not function as normal, please read the following before you contact local service center.**

Problem	Possible Reason	Solution
Remote Control Failure	<ol style="list-style-type: none"> 1. Check the battery 2. Remote distance is too far away from the display. 	<ol style="list-style-type: none"> 1. Replace battery 2. Adjust for an appropriate distance
No Picture	<ol style="list-style-type: none"> 1. Power cord is not connected properly 2. Is the switch on? 3. Source cables are not connected properly 	<ol style="list-style-type: none"> 1. Check power cord connection 2. Switch on the power 3. Check signal cables connection
Picture without sound	<ol style="list-style-type: none"> 1. Problem with signal source 2. Volume has been muted or minimized? 3. Source cables are not connected properly 	<ol style="list-style-type: none"> 1. Check signal cable connection. 2. Adjust volume. 3. Check audio input connection.
Picture Failure	<ol style="list-style-type: none"> 1. Source cables are not connected properly <p>Note: If the screen is glittering or having bad signals, please check the input source solution(e.g. 480i, 576i etc).</p>	<ol style="list-style-type: none"> 1. Check signal cable connection.
Sound without picture	<ol style="list-style-type: none"> 1. Problem with signal source? 	<ol style="list-style-type: none"> 1. Check signal source
Color is not right	<ol style="list-style-type: none"> 1. Color is not right 2. Phase is not right 	<ol style="list-style-type: none"> 1. Adjust color accordingly 2. Adjust phase accordingly
Picture is too dim	Brightness, contrast is not right?	Adjust brightness and contrast accordingly

Resolution Table

This table provides the best resolution for the monitor.

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
VGA	640x350@70Hz	31.469(+)	70.087(-)
	640x480@60Hz	31.469(-)	59.940(-)
	640x480@72Hz	37.861(-)	72.809(-)
	640x480@75Hz	37.500(-)	75.000(-)
SVGA	800x600@56Hz	35.156(+)	56.250(+)
	800x600@60Hz	37.879(+)	60.317(+)
	800x600@72Hz	48.077(+)	72.188(+)
	800x600@75Hz	46.875(+)	75.000(+)
XGA	1024x768@60Hz	48.363(-)	60.004(-)
	1024x768@70Hz	56.467(-)	70.069(-)
	1024x768@75Hz	60.023(+)	75.029(+)
OTHER	720x400@70Hz	31.469(-)	70.087(+)